

Educational Opportunities Handbook 2018 - 2019

CORE VALUES, BELIEFS AND LEARNING EXPECTATIONS

Core Values and Beliefs

RHAM High School is a community of students and adults working collaboratively so that teaching and learning take place in a safe, respectful and positive environment. We provide a rigorous comprehensive education to prepare students for postsecondary study, work and life. We provide diverse instruction designed to ensure students take responsibility for their own learning. We work with families and community members to support the personal, academic and career development of every student.

Expectations for Student Learning

Academic Expectations

The student will demonstrate skills in:

- Reading and writing
- Speaking and listening
- Problem solving
- Artistic expression
- Physical fitness, health and wellness

Social Expectations

The student will demonstrate personal and academic integrity

Civic Expectations

The student will demonstrate active participation in the community

January 2018

Dear Students:

This handbook will help to guide you as you make decisions regarding your studies at RHAM High School. As you read through the handbook, you should be thinking of possible career choices as well as your education beyond high school. To help in your decisions, a wide variety of Career Pathway flow charts are included as you consider the many and diverse courses offered at RHAM High School.

We are offering several new and exciting courses this year:

APPLIED TECHNOLOGY: *Applied Computer and Digital Skills*

SOCIAL STUDIES: *Abnormal Psychology*

MUSIC: *History of Popular Music*

ART & ENGLISH: *Publication (Semester: Journalism and Yearbook)*
Publication (Year: Journalism and Yearbook)
Advanced Publication (Journalism and Yearbook)

ART: *Animation II*

SCIENCE & ENGINEERING: *Principles of Biomedical Science (Project Lead the Way)*

Each student must complete the Showcase Portfolio during his/her senior year. Students will be awarded one credit upon successful completion of the Showcase Portfolio.

In addition to planning your course schedule, make sure to consider participating in one or more of our many co-curricular activities. Our athletic programs and clubs provide you with multiple opportunities to focus on areas of interest and explore new areas.

Your four years in high school will pass by very quickly. Careful planning will allow you to make the most of your high school years. Please make sure that you consult with your school counselor, your teachers and your parents/guardians if you have any questions about the planning process.

Sincerely,

Scott Leslie, Principal

Thomas Mueller, Assistant Principal

Penny Bryzgel, Assistant Principal

EDUCATIONAL OPPORTUNITIES HANDBOOK

**RHAM HIGH SCHOOL
REGIONAL SCHOOL DISTRICT NO. 8
Hebron, Connecticut 06248**

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GRADUATION REQUIREMENTS

Credit distribution requirements for RHAM graduates are as follows:

SUBJECT

English	4.00
Social Studies (including 1 credit U.S. History and 1/2 credit of Civics)	3.00
Science (including 1 credit Biological Science and 1 credit Physical Science)*	3.00
Mathematics	3.00
Arts (Fine or Technical Arts)**	1.00
Physical Education (PE 9 and PE 10)	1.00
Health***	.50
Technology Elective****	.50
Electives	7.00
Showcase Portfolio	<u>1.00</u>
Total	24.00

* The following courses are classified as Physical Sciences:

9th grade General Science	Chemistry	Physics
Geology	Astronomy/Meteorology	Environmental Science

** Students must complete at least one credit of course work from Fine Arts or Technical Arts courses prior to graduation. These courses are listed in the following departments:

Art Department	Music Department
Family & Consumer Sciences Department	Applied Technology Department

*** The .50 Health credit is met by taking the grade 10 Health class. State law allows parents to request exemption from the sections of the class that involve HIV/AIDS, family life education, and sexual abuse and assault awareness and prevention program. That request must be made in writing to the student's school counselor.

(Regional School District 8 Policy 6205 - adopted 2014, revised 2015)

**** Students must take at least one of the following approved technology elective courses prior to graduation:

Introduction to Video Production	Applied Technology Innovation	Video Basics
Digital Electronics	Journalism: Layout and Design	Graphic Design
Creating Motion Pictures	Animation I & II	Marketing Principles
Computer Integrated Manufacturing	Broadcast Journalism I & II	Management Principles

Introduction to Engineering Design	Personal Finance - Online	Financial Accounting
Principles of Engineering	Digital Media I & II	Aerospace Engineering
Computer Programming I & II	Architectural & Civil Eng.	Photography II
Computer Hardware Repair	Audio Production and Recording	Music Production
Music Scoring for Film	CERT-Community Emergency Response Training	
Digital Drawing & Painting	Publication (Journalism & Yearbook)	
Publication Advanced (Journalism & Yearbook)	AP Computer Science Principles	
Office Applications for Professionals	Applied Computer and Digital Skills	

Students are promoted to the next higher grade as they achieve the following course credits:

GRADE	CREDITS
10	5
11	11
12	17
Graduate	24.00

⇒All students are encouraged to take at least six credits per year. However, all students must carry and actively pursue a minimum of 5 credits.

⇒All students are encouraged to take courses required for graduation as early in their high school career as possible, and to develop a co-curricular program that supports and enhances their academic endeavors.

⇒Any request for early completion of graduation requirements must be submitted in writing to the principal prior to June 1 of their Junior year; i.e. one year prior to graduation year.

GRADE WEIGHTING

As part of our goal to provide varied levels of academic challenge, the Board of Education has approved a policy of weighting courses for grade point average. This policy is to encourage students to take appropriate courses in terms of their achievement levels and interests. Grade weighting will apply only to GPA. Classes listed as Level 1/2 will be treated as Level 1 when determining GPA. Unleveled courses are not included in the GPA calculation. This policy will not affect honor roll/eligibility calculations.

The system of weighted grading is as follows (L3 included for courses prior to '16-'17):

	H	1	2	3
A+	5.3	4.8	4.3	3.8
A	5.0	4.5	4.0	3.5
A-	4.7	4.2	3.7	3.2
B+	4.3	3.8	3.3	2.8
B	4.0	3.5	3.0	2.5
B-	3.7	3.2	2.7	2.2
C+	3.3	2.8	2.3	1.8

C	3.0	2.5	2.0	1.5
C-	2.7	2.2	1.7	1.2
D+	2.3	1.8	1.3	.8
D	2.0	1.5	1.0	.5
D-	1.7	1.2	.7	.2
F	0			

Students may earn high school credit with the successful completion of eighth grade Algebra I, Spanish 8, French 8 and/or Latin 8. These credits will count toward RHAM high school graduation requirements and will be calculated into GPA.

OFFICIAL HIGH SCHOOL TRANSCRIPTS

RHAM High School transcripts are considered the official and fixed record regarding course of study.

COURSE CANCELLATION

A course may be canceled or enrollment may be restricted for any of the following reasons:

1. Insufficient enrollment
2. Limited facilities
3. Modification of program
4. Reduction of budget

CATEGORIES OF INSTRUCTION

As you use this handbook you will note some courses are offered at various levels (Honors, 1, 1/2 and 2). Leveling of courses is intended to provide students with maximum opportunity to develop personal strengths and interests **in a rigorous learning environment appropriate to their individual needs.**

On **Recommendation Day** (scheduled at the beginning of the second semester) student course and level selections are reviewed and approved by teachers using a variety of data including classroom performance, achievement data, and portfolio documents. Should teacher recommendations differ from a parent or student request, a waiver form can be submitted to the student's counselor. Students and parents should work closely with counselors when making choices or appeals. Recommendations are reviewed and, if necessary, revised at the end of the school year.

We wish to stress that appropriate selection of level should provide each student with **a challenging and rigorous educational program.** Most students take courses at a variety of levels depending on individual strengths and interests. All levels prepare students for success in postsecondary education and the world of work. Students are encouraged to use the enclosed planning guide to develop a coherent, secondary program appropriate to their personal post-secondary goals.

Students who anticipate enrolling in a two to four year college directly after high school should plan a program that includes levels 2 through Honors. The more competitive colleges expect a program consisting of Level 1/Honors courses. **Early and ongoing planning with school counselors is the key to setting and achieving post graduate goals.**

Guidelines for level placements are described below to assist you in making appropriate choices. Criteria specific to Departments or courses are discussed in classes and are available from Department Coordinators.

The levels are as follows:

The **Honors Program** at RHAM High School is designed for students who demonstrate exceptional ability in a specific discipline. Students enrolled in an honors course are expected to utilize above grade level critical thinking, reading, and writing, and/or mathematical skills in the development of an in-depth understanding of the subject matter. In addition, honors students are expected to work independently, employing a wide variety of organizational and study skills in learning situations. High levels of initiative and motivation to take on complex and challenging assignments are essential. Criteria for admission to honors courses is described in the handbook for each course.

Level 1 is geared toward students who demonstrate at or above grade level critical thinking, reading, writing, and/or mathematical skills. Student enrolled in a Level 1 course are expected to be capable of independent work as well as to employ a variety of organizational and study skills in learning situations.

Level 2 is geared toward students who demonstrate grade level critical thinking, reading, writing, and/or mathematical skills. The course provides Level 2 students with reinforcement and refinement in basic skill areas and introduces students to higher order critical thinking skills. Students enrolled in Level 2 courses may require some assistance in developing appropriate organizational and study strategies as well as confidence in learning situations.

Courses with no level designation are for students who demonstrate significant needs in basic reading, writing, and/or mathematical skills. Placement is based on standardized test scores and teacher recommendation indicating a need for remediation. Student enrolled in these courses are provided with intensive and individualized instruction to help remediate specific skill area deficiencies. Instruction and activities help the students to gain confidence in new and challenging learning situations. These students are provided with skills that are critical to success in high school. Motivations to seek out, accept, and utilize instruction and support is critical. *All recommendations for admissions to these classes are reviewed and finalized by departments or made by PPT decision.*

2018 - 2019

COURSE

DIRECTORY

Course	Title	Level	Credit	Time	Grade(s)
APPLIED TECHNOLOGY /INFORMATION / BUSINESS (<i>Course descriptions begin on page 47.</i>)					
8012	Applied Computer and Digital Skills	1	.5	Semester	9-12
8014	Office Applications for Professionals	1	.5	Semester	9-12
8021	Personal Finance - Online	1	.5	Semester	10-12
8004	Financial Accounting	1	1	Year	10-12
8007	Management Principles	1	1	Year	10-12
8009	Marketing Principles	1	1	Year	10-12
COMPUTER SCIENCE (<i>Course descriptions begin on page 50.</i>)					
8016	Computer Programming I	1	.5	Semester	9-12
8017	Computer Programming II	1	.5	Semester	9-12
8013	Computer Hardware Repair	1	.5	Semester	9-12
8019	AP Computer Science Principles	Honors	1	Year	10-12
ENGINEERING TECHNOLOGY/ARCHITECTURE (<i>Course descriptions begin on page 51.</i>)					
8111	Introduction to Engineering Design (offered 18-19)	1	1	Year	9-12
8117	Principles of Biomedical Science (offered 18-19)	1	1	Year	10-12
8112	Computer Integrated Manufacturing (offered alternating years)	1	1	Year	10-12
8113	Principles of Engineering (offered alternating years)	1	1	Year	10-12
8114	Digital Electronics (offered 18-19)	1	1	Year	10-12
8116	Aerospace Engineering (offered 18-19)	1	1	Year	10-12
8131	Architectural Design	1	.5	Semester	9-12
COMMUNICATION (<i>Course descriptions begin on page 54.</i>)					
8631	Introduction to Video Production	1	.5	Semester	9-12
8476	Broadcast Journalism I – S1	1	.5	Semester 1	10-12
8477	Broadcast Journalism I – S2	1	.5	Semester 2	10-12
8484	Broadcast Journalism II	1	1	Year	11-12
8480	Creating Motion Pictures	1	.5	Semester	9-12
MANUFACTURING & MATERIALS (<i>Course descriptions begin on page 55.</i>)					
8231	Manufacturing Technology I	1	.5	Semester	9-12
8271	Manufacturing Technology II A	1	.5	Semester	10-12
8272	Manufacturing Technology II B	1	.5	Semester	10-12
8250	Welding Technology I	1	.5	Semester	9-12
8291	Welding Technology II A	1	.5	Semester	10-12
8292	Welding Technology II B	1	.5	Semester	10-12
8315	Introduction to Metals	1	.5	Semester	9-12
8170	Manufacturing/Industrial Use of Wood	1	.5	Semester	9-12
8190	Cabinetmaking/Furniture Design & Construction	1	1	Year	9-12
8192	Cabinetmaking/Furniture Des. & Con. – Advanced	1	1	Year	10-12
8191	Construction Technology I	1	1	Year	10-12
8195	Construction Technology II	1	1	Year	10-12
ART - FINE ARTS (<i>Course descriptions begin on page 59.</i>)					
7110	Art Foundations I	1	.5	Semester	9-12
7111	Art Foundations II	1	.5	Semester	9-12
7115	Applied Arts	1	.5	Semester	9-12

Course	Title	Level	Credit	Time	Grade(s)
ART - FINE ARTS CONTINUED (<i>Course descriptions begin on page 59.</i>)					
7116	Applied Arts - Peer Coaching	1	.5	Semester	9-12
7209	Drawing I	1	.5	Semester	9-12
7210	Drawing II	1	.5	Semester	10-12
7239	Painting I	1	.5	Semester	9-12
7240	Painting II	1	.5	Semester	10-12
7523	Digital Drawing and Painting - (hybrid - online/classroom)	1	.5	Semester	10-12
7270	3D Design I	1	.5	Semester	9-12
7273	3D Design II	1	.5	Semester	10-12
7350	Printmaking I	1	.5	Semester	9-12
7351	Printmaking II	1	.5	Semester	10-12
7290	Photography I	1	.5	Semester	9-12
7320	Photography II	1	.5	Semester	10-12
7456	Graphic Design	1	.5	Semester	9-12
7505	Digital Media I	1	.5	Semester	9-12
7506	Digital Media II	1	.5	Semester	9-12
7520	Animation I	1	.5	Semester	9-12
7521	Animation II	1	.5	Semester	10-12
7530	Illustration and Sequential Arts I	1	.5	Semester	10-12
7531	Illustration and Sequential Arts II	1	.5	Semester	10-12
8499	Publication (Sem:Journalism & Yearbook)	1	.5	Semester	9-12
8500	Publication (Year:Journalism & Yearbook) (.5 English & .5 Art credit)	1	1	Year	9-12
8501	Publication Advanced (Year:Journalism & Yearbook) (.5 English & .5 Art credit)	1	1	Year	11-12
7145	Honors Art - 2D	Honors	1	Year	11-12
7146	Honors Art – 3D	Honors	1	Year	11-12
7147	Honors Art – Photography	Honors	1	Year	11-12
7150	AP Studio Art: 3D Design	Honors	1	Year	11-12
7154	AP Studio Art: 2D Design	Honors	1	Year	11-12
7155	AP Studio Art: Drawing	Honors	1	Year	11-12
7157	AP Studio Art: Photography	Honors	1	Year	11-12
7260	Ceramics I	1	.5	Semester	9-12
7263	Ceramics II	1	.5	Semester	9-12
7335	Jewelry and Enameling I	1	.5	Semester	9-12
7337	Jewelry and Enameling II	1	.5	Semester	9-12
7430	Glass Techniques I	1	.5	Semester	9-12
7431	Glass Techniques II	1	.5	Semester	9-12
7460	Book Arts I	1	.5	Semester	9-12
7461	Book Arts II	1	.5	Semester	10-12

ENGLISH (*Course descriptions begin on page 74.*)

9690	Basic English I	-	1	Year	9-12
9700	Basic English II	-	1	Year	9-12
9703	Reading For Success	(Elective credit)	2	.5	Semester 1
9706	Reading For Success	(Elective credit)	2	.5	Semester 2
0130	English 9-2	2	1	Year	9
0110	English 9-1	1	1	Year	9
0100	English 9 - Honors	Honors	1	Year	9
0115	English 9 - Inquiry	Honors	1	Year	9
0230	English 10-2	2	1	Year	10
0210	English 10-1	1	1	Year	10

Course	Title	Level	Credit	Time	Grade(s)
ENGLISH CONTINUED (<i>Course descriptions begin on page 74.</i>)					
0200	English 10 - Honors	Honors	1	Year	10
0320	English 11-2	2	1	Year	11
0310	English 11-1	1	1	Year	11
0765	American Studies - English	1	1	Year	11
0340	AP English: Language and Composition	Honors	1	Year	11
0350	AP English: Literature and Composition	Honors	1	Year	12
0410	Drama: History & Craft	1	.5	Semester	11-12
0420	Creative Writing	1/2	.5	Semester	11-12
0425	Poetry	1/2	.5	Semester	11-12
0430	British Literature	1	.5	Semester	11-12
0460	Futuristics through Literature	1/2	.5	Semester	11-12
0550	Communications	1/2	.5	Semester	11-12
8499	Publication (Sem:Journalism & Yearbook)	1	.5	Semester	9-12
8500	Publication (Year:Journalism & Yearbook)	1	1	Year	9-12
	(.5 English & .5 Art credit)				
8501	Publication Advanced (Year:Journalism & Yearbook)	1	1	Year	11-12
	(.5 English & .5 Art credit)				
0451	World Literature - Honors	Honors	1	Full Year	12
0470	World Literature	1	1	Full Year	12
0480	World Literature	2	1	Full Year	12
0740	Themes in Literature and Communication	2	1	Year	12
0415	Writing Through Film	1/2	.5	Semester	12
0752	Native American Literature	1/2	.5	Semester	12
0755	Contemporary Literature	1/2	.5	Semester	11-12
0770	Senior Topics	1	.5	Semester	12
0780	Senior Topics	2	.5	Semester	12
0785	MCC English 101: Composition	1	1	Year	12

FAMILY & CONSUMER SCIENCES (*Course descriptions begin on page 88.*)

6210	Early Childhood Education I	1	.5	Semester	10-12
6211	Early Childhood Education II	1	.5	Semester	10-12
6270	Foods & Nutrition I	1	.5	Semester	9-12
6280	Foods & Nutrition II	1	.5	Semester	10-12
6320	Food Service Management	1	1	Semester	11-12

MATHEMATICS (*Course descriptions begin on page 91.*)

9141	School to Career Math	-	-	Semester	11-12
9710	Basic Math I	-	1	Year	9-12
9720	Basic Math II	-	1	Year	9-12
9704	Math for Success (Elective credit)	2	.5	Semester 1	9-12
9707	Math for Success (Elective credit)	2	.5	Semester 2	9-12
2010	Essentials of Pre-Algebra	2	1	Year	9-12
2030	Essentials of Algebra	2	1	Year	10-12
2050	Essentials of Geometry	2	1	Year	10-12
2070	Essentials of Advanced Algebra	2	1	Year	12
2140	Algebra I	2	1	Year	9-12
2130	Algebra I	1	1	Year	9-12
2230	Geometry	2	1	Year	9-12
2210	Geometry	1	1	Year	9-12
2200	Geometry - Honors	Honors	1	Year	9-12

Course	Title	Level	Credit	Time	Grade(s)
MATHEMATICS CONTINUED (<i>Course descriptions begin on page 91.</i>)					
2340	Algebra II, Part A	2	1	Year	10-12
2345	Algebra II, Part B & Trig	2	1	Year	11-12
2330	Algebra II	1	1	Year	9-12
2310	Algebra II - Honors	Honors	1	Year	9-12
2531	Pre-Calculus	1	1	Year	10-12
2530	Pre-Calculus - Honors	Honors	1	Year	10-12
2430	AP Calculus - AB	Honors	1	Year	11-12
2433	AP Calculus - BC	Honors	1	Year	11-12
2570	Probability and Statistics	1	.5	Semester	11-12
2450	AP Statistics	Honors	1	Year	10-12
2560	Finite Mathematics	1	.5	Semester	11-12
8019	AP Computer Science Principles	Honors	1	Year	10-12
MUSIC (<i>Course Descriptions begin on page 100.</i>)					
7608	Symphonic Band	1	1	Year	9-12
7620	Wind Ensemble	1	1	Year	9-12
7675	Jazz Band	1	1	Year	9-12
7678	Percussion Ensemble	1	1	Year	9-12
7653	Concert Choir	1	.5	Semester 1	9-12
7654	Concert Choir	1	.5	Semester 2	9-12
7660	Encore	1	1	Year	9-12
7661	Chamber Singers	1	1	Year	9-12
7720	Music Theory	1	.5	Semester	9-12
7752	Music Production	1	.5	Semester	9-12
7762	Music Scoring for Film	1	.5	Semester	9-12
7765	Audio Production and Recording	1	.5	Semester	9-12
7780	Music and Movement	1	.5	Semester	9-12
7730	History of Popular Music	1	.5	Semester	9-12
PHYSICAL EDUCATION & HEALTH (<i>Course descriptions begin on page 104.</i>)					
6610	Physical Education/Health 9	1	.5	Semester	9
6620	Physical Education 10	1	.5	Semester	10
6630	Health Education 10	1	.5	Semester	10
6632	Health Education 10	-	.5	Semester	10
6640	Lifetime Sports	1	.5	Semester	11-12
6650	Weight Training & Aerobic Conditioning	1	.5	Semester	11-12
8483	CERT-Community Emergency Response Training	1	.5	Semester	9-12
6660	Adapted Physical Education	-	.5	Semester	9-12
6667	Adapted Physical Education Peer Coaching	1	.5	Semester	11-12
6670	Leadership Through Adventure	1	.5	Semester	11-12
SCIENCE (<i>Course descriptions begin on page 107.</i>)					
9760	Basic Physical Science	-	1	Year	9-12
9770	Basic Earth Science	-	1	Year	9-12
9780	Basic Life Science	-	1	Year	9-12
3111	General Science L1	1	1	Year	9-12
3112	General Science L2	2	1	Year	9-12
3100	General Science, Honors	Honors	1	Year	9-12
3115	General Science, Inquiry	Honors	1	Year	9

Course	Title	Level	Credit	Time	Grade(s)
SCIENCE CONTINUED (<i>Course descriptions begin on page 107.</i>)					
3211	Biology L1	1	1	Year	10-12
3212	Biology L2	2	1	Year	10-12
3200	Biology, Honors	Honors	1	Year	10-12
3220	AP Biology	Honors	1.5	Year	10-12
3330	Chemistry L2	2	1	Year	11-12
3310	Chemistry L1	1	1.25	Year	11-12
3300	Chemistry, Honors	Honors	1.25	Year	11-12
3305	AP Chemistry	Honors	1.5	Year	11-12
3594	Physics L2	2	1	Year	11-12
3590	Physics L1	1	1.25	Year	11-12
3596	AP/ECE Physics I	Honors	1.5	Year	11-12
3597	AP Physics II	Honors	1.5	Year	11-12
3595	AP/ECE Physics C - Mechanics	Honors	1.5	Year	11-12
3426	AP/ECE Environmental Science	Honors	1.5	Year	11-12—
3490	Astronomy and Meteorology	1/2	.5	Semester	11-12
3540	Geology	1/2	.5	Semester	11-12
3424	Environmental Science L1	1	1	Year	11-12
3423	Environmental Science L2	2	1	Year	11-12
3480	Genetics	1	.5	Semester	11-12
3512	Exercise Physiology	1	1	Year	11-12
3522	Med Careers	Honors	1	Year	11-12
3520	Anatomy & Physiology	Honors	1.25	Year	11-12
8117	Principles of Biomedical Science	1	1	Year	10-12

SOCIAL STUDIES (*Course descriptions begin on page 119.*)

9109	Basic Social Studies I	-	1	Year	9-12
9113	Basic Social Studies II	-	1	Year	9-12
1160	Global Studies L2	2	1	Year	9
1150	Global Studies L1	1	1	Year	9
1140	Global Studies, Honors	Honors	1	Year	9
1155	Global Studies - Inquiry	Honors	1	Year	9
1240	Western European History L2	2	1	Year	10-11
1230	Western European History L1	1	1	Year	10-11
1235	AP European History	Honors	1	Year	10-11
1325	American Studies - Social Studies	1	1	Year	11
1320	United States History L2	2	1	Year	11-12
1310	United States History L1	1	1	Year	11-12
1300	AP United States History	Honors	1	Year	11-12
1305	AP United States Government and Politics	Honors	.5	Semester	12
1525	Civics	1/2	.5	Semester	11-12
1522	Online Civics	Honors	.5	Semester	12
1441	The Price of Freedom: Americans at War	1/2	.5	Semester	11-12
1233	20th Century Fascism and Communism	1/2	.5	Semester	11-12
1351	Psychology	1/2	.5	Semester	11-12
1360	Abnormal Psychology	1/2	.5	Semester	11-12
1359	Child & Adolescent Psychology	1/2	.5	Semester	11-12
1352	AP Psychology	Honors	1	Year	11-12
1541	Sociology	1/2	.5	Semester	11-12
1410	Economics	1	.5	Semester	11-12
1430	Introduction to Law	1/2	.5	Semester	11-12
1435	Criminal Justice	1	.5	Semester	11-12

Course	Title	Level	Credit	Time	Grade(s)
SPECIAL EDUCATION (<i>Course descriptions begin on page 130.</i>)					
9873	Transition to Independent Living	-	.5	Semester	9-12
9820	Study Skills I & II	-	-	Semester 1	9-12
9830	Study Skills I & II	-	-	Semester 2	9-12
9140	School to Career English	-	-	Semester	12
9750	Personal/Social Skills I	-	1	Year	9-12
9751	Personal/Social Skills II	-	1	Year	9-12
9610	Career Orientation	-	1	Year	9-12
9630	Work Experience	-	1	Year	9-12

WORLD LANGUAGE (*Course descriptions begin on page 133.*)

4110	French I	1	1	Year	9-12
4130	French II	1	1	Year	9-12
4131	French II Honors	Honors	1	Year	9-12
4150	French III Intermediate	1/2	1	Year	10-12
4211	French III Honors	Honors	1	Year	10-12
4230	French IV - UCONN ECE (FREN 3267)	Honors	1	Year	11-12
4250	AP French (French V) - UCONN ECE (FREN 3268)	Honors	1	Year	11-12
4310	Spanish I	1	1	Year	9-12
4330	Spanish II	1	1	Year	9-12
4350	Spanish II Honors	Honors	1	Year	9-12
4370	Spanish III	2	1	Year	10-12
4390	Spanish III	1	1	Year	10-12
4391	Spanish III Honors	Honors	1	Year	10-12
4411	Spanish IV	1	1	Year	11-12
4410	Spanish IV Honors	Honors	1	Year	11-12
4430	AP Spanish (Spanish V) - UCONN ECE (3178/3179)	Honors	1	Year	11-12
4450	Latin I	1	1	Year	9-12
4510	Latin II	1	1	Year	9-12
4515	Latin II Honors	Honors	1	Year	9-12
4530	Latin III	1	1	Year	10-12
4535	Latin III Honors	Honors	1	Year	10-12
4550	UCONN Latin IV	Honors	1	Year	11-12
4570	AP Latin (Latin V) - UCONN ECE (3102)	Honors	1	Year	11-12

THE SHOWCASE PORTFOLIO (*Description on page 140.*)

SPECIAL PROGRAMS (*Course descriptions begin on page 141.*)

9561	Academic Lab	N/A	P/F	Semester 1	9-12
9563	Academic Lab	N/A	P/F	Semester 2	9-12
9530	Independent Study	Arranged		Year/Semester	11-12
9950	Virtual High School Online	N/A	-	Year/Semester	10-12
9930	Classroom Assistant	N/A	NC	Semester	12
University of Connecticut Early College Experience					

OTHER SCHOOLING OPTIONS (*Course descriptions begin on page 143.*)

International Baccalaureate Program	Arranged
Vocational Agricultural Program	Arranged
Vocational Technical Program	Arranged
The Greater Hartford Academy of the Arts	Arranged
The Greater Hartford Academy of Math & Science	Arranged
Arts at the Capitol Theater (ACT)	Arranged
The College Career Pathways Program	Arranged
The Work-Based Learning Program	Arranged
The High School Partnership Program: Manchester Community College	Arranged
Early College Experience Program: Goodwin College	Arranged
WHIPS Eastern CT State University	Arranged
Online Courses	.5 – 1
Distance Learning (Virtual High School Online)	.5 – 1

CAREER PLANNING

RHAM High School believes in the value of a core liberal arts education which gives all students fundamental skills and habits of mind needed for the careers of the future, most of which require some post high school training. Students wanting professional careers which require at least a bachelor's degree from a four year college need to take a full complement of academic courses their senior year, even though they may have largely completed core graduation requirements. Students pursuing technical or support careers should take advantage of specialized courses RHAM offers to prepare for work in these fields.

RHAM High School also believes that information about what careers are *actually* like and what varied skills they demand can help students choose high school courses wisely and see connections between these courses and their future goals. RHAM High School Pathways have been developed with purpose to support student preparation for chosen career fields. Students are encouraged to follow established pathways in order to prepare for postsecondary coursework in their chosen career field.

RHAM's Career Education programs within the Guidance Department provide a great deal of career information. Students are urged to consult the Career Coordinator and their School Counselor as their career plans begin to form. Opportunities for career planning include but are not limited to Job Shadowing, Career Exploration activities, Career Interest Inventories, participation in Career Day, and much more. Finally, students should talk over career thoughts and course selections with their parents, who remain the single most important factor influencing a person's career choice.

The Career Pathways outlined on the following pages are intended to provide students with a comprehensive plan of coursework for pursuit of preparation for postsecondary schooling.

CAREER PATHWAYS

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3D Design

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Sculpture I/II Ceramics I/II Jewelry & Enameling I/II/Adv	World Language Music Tech I/II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Glass Techniques I/II Book Arts I/II Honors Art - 3D AP Studio - 3D	Drawing I/II Digital Media
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Architecture and Construction

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio	Architedral Design	Introduction to Engineering Digital Media I/II Graphic Design World Lanugage Music Tech I/II
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Constnction Technology I Constnction Technology II Civil Engineering and Architecture Drawing I/II	
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Arts in Audio/Visual Communications: Mass Media and Film

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio	Introduction to Video Production or Video Basics	Drawing I/II World Language
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European	PE 10, Health 10		Mass Media Focus: Broadcast Journalism	Music Theory Animation
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Mass Media Focus: Journalism Communications	Advanced Broadcast Journalism Music Tech I/II
							Film Focus: Communications Creative Writing	
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Mass Media Focus: Digital Media	
							Film Focus: Writing Through Film	
							Graphic Design	

Business

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Marketing Principles	Graphic Design Journalism I/II Printmaking
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Management Principles Personal Finance (Online)	Art Foundations I/II World Language
12	1.0 Additional Credit or AP Eng Lit/Comp, MCC ENG 101, or World Lit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Financial Accounting AP Statistics or Probability/Statistics Communications	Precalculus

Construction Technology

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio	Manufacturing/Industrial Use of Wood	Construction Technology I Music Tech I/II Art Foundations I/II Digital Media I/II World Language
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Cabinetmaking/Furniture Design	
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Cabinetmaking/Furniture Design Adv Drawing I/II	
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Construction Technology II	

Creative Writing

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			World Language Art Foundations I/II Writing Through Film
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Creative Writing Poetry Drama	Drawing I/II Illustration and Sequential Art I/II Honors Art
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Contemporary Literature Futuristics in Literature British Literature	

Drawing/Painting

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History				
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				
							Drawing I/II Painting I/II Illustration & Sequential Art I/II Honors Art AP Studio - Drawing	Art Foundations I/II Digital Media World Language Music Theory Symphonic Band Concert Choir

Engineering

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio	Introduction to Engineering Design Drawing I/II	Manufacturing I Manufacturing II Art Foundations I/II
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Computer Integrated Manufacturing	Illustration and Sequential Art I/II Graphic Design Digital Media I/II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Principles of Engineering Digital Electronics	Computer Science I Part A Computer Science I Part B Computer Science II World Language
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Aerospace Engineering AP Calculus AB or BC	Music Tech I/II Drama Communications

Environmental Science

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Drawing I/II Painting I/II Aquatic Ecosystems
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	Recommended: AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			AP Environmental Science or Contemporary Issues in Environmental Science	Introduction to Law World Language Communications Futuristics in Literature
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	Recommended: AP Physics or Physics L1	Civics			AP Statistics or Probability/Statistics	

Government

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		Psychology I/II Social Psychology
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Parties, Protest & Politics: The 60's! The Price of Freedom Americans at War
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			International Relations Introduction to Law Criminal Justice Communications	Introduction to Sociology Economics World Language British Literature Contemporary Literature
12	1.0 Addtl Credit or AP Eng Lit/Comp, MCC ENG 101, World Lit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				Graphic Design

Graphic Arts

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio	Art Foundations I/II Graphic Design Digital Media I/II Photography I/II Printmaking I/II Honors Art AP Studio - 2D Animation	World Language Music Tech I/II Music Theory Drawing I/II Book Arts I/II
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History				
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Health Sciences - Medicine and Pharmacy

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies	PE/Health 9	Portfolio		Communications Futuristics in Literature World Language Genetics
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	AP Biology or Biology	Western European History or AP European History	PE 10, Health 10			Introduction to Sociology Psychology I/II Introduction to Law Child and Adolescent Psychology
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History or AP US History			Med Careers Anatomy and Physiology First Aid AP Statistics or Probability/Statistics	Social Psychology Lifetime Sports Weight Training and Aerobic Conditioning
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				Ceramics I/II Sculpting I/II Jewelry and Enameling I/II Glass Techniques I/II Book Arts I/II

Health Sciences

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies	PE/Health 9	Portfolio		Genetics Introduction to Sociology Psychology/II Introduction to Law
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology	Western European History or AP European History	PE 10, Health 10			Child and Adolescent Psychology Social Psychology Lifetime Sports Weight Training and Aerobic Conditioning Ceramics I/II Sculpting I/II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	Recommended: AP Chemistry or Chemistry H/L1	US History or AP US History			Med Careers Anatomy and Physiology Exercise Physiology	Jewelry and Enameling I/II Glass Techniques I/II Book Arts I/II World Language
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats / Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	Recommended: AP Physics or Physics L1	Civics			First Aid AP Statistics or Probability and Statistics	Symphonic Band Concert Choir Communications Futuristics in Literature Applied Arts

Hospitality and Tourism

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements	Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Foods and Nutrition I	World Language Art Foundations I Art Foundations II
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10	Foods and Nutrition II	Sculpture Graphic Design Drawing I/II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History		Food Service Management Communications	International Relations Introduction to Sociology Economics Marketing Principles Management Principles Financial Accounting Drama
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			

Human Services and Education

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio	Applied Art	Music and Movement
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Early Childhood Education I	Music Theory Art Foundations I Art Foundations II Introduction to Sociology
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Early Childhood Education II Psychology I Communications	Social Psychology Introduction to Law Criminal Justice World Language
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Psychology II Child and Adolescent Psychology AP Statistics or Probability/Statistics	Symphonic Band Concert Choir

Information Technology

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio	Computer Science I Part A Computer Science I Part B Digital Electronics Computer Science II	Digital Media I/II Journalism I/II Graphic Design Art Foundations I/II World Language Music I/II Drama Writing Through Film
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History				
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Law and Public Administration

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Journalism International Relations Child and Adolescent Psychology
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Economics Introduction to Law Criminal Justice Introduction to Sociology Communications	Social Psychology The Price of Freedom: Americans at War World Language Graphic Design
12	1.0 Additional Credit or AP Eng Lit/Comp, World Lit, MCC ENG 101	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Law Enforcement - Corrections

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		Introduction to Sociology
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Economics International Relations Child and Adolescent Psychology
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Psychology I Psychology II Introduction to Law Criminal Justice	Social Psychology The Price of Freedom: Americans at War World Language Applied Arts Graphic Design
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Manufacturing and Metals

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements	Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	<div>Portfolio</div> <div> Manufacturing Focus: Manufacturing Technology I Manufacturing Technology II </div> <div> Welding Focus: Welding Technology I Welding Technology II </div>	<div> Ceramics I/II Glass Techniques I/II Jewelry and Enameling I/II Art Foundations I/II Graphic Design Digital Media I/II Drawing I/II World Language </div>
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics		Metals Technology	

Music - Choral

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		Concert Choir Chamber Singers Ensemble Music and Movement	Symphonic Band Jazz Band Wind Ensemble Art Foundations I/II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Music Theory Music Tech I/II Drama	World Language Poetry Creative Writing Drawing I/II
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				Permission Ensemble

Music - Instrumental

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio	Symphonic Band Wind Ensemble Jazz Band Music Theory Music Tech I/II Percussion Ensemble	Concert Choir
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Music and Movement Encore Chamber Singers Art Foundations I/II World Language
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History				Writing Through Film Poetry Creative Writing
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				Drama Sculpture I/II

Research Science

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies H/L1	Pe/Health 9	Portfolio		Aquatic Ecosystems Introduction to Law Genetics
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Anatomy and Physiology Computer Science I Part A Computer Science I Part B Computer Science II
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			AP Environmental Science Contemporary Issues in Environmental Science Astronomy & Meteorology	Introduction to Engineering World Language Drawing I/II
12	1.0 Additional Credit or AP Eng Lit/Comp, World Lit, MCC ENG 101	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics			Geology AP Statistics or Probability/Statistics Communications	Illustration and Sequential Art Journalism I/II Graphic Design

Social Sciences

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio		AP Psychology
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10			Economics World Language Contemporary Literature Futuristics in Literature
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History			Child and Adolescent Psychology Social Psychology Psychology I/II Introduction to Sociology Adaptive PE Peer Coaching Leadership through Adventure Applied Arts	Senior Topics Communications Art Foundations I/II Graphic Design Journalism I/II
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Theater

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements		Strongly Recommended Coursework for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I→Geometry or Geometry→Alg II	General Science H/L1	Global Studies H/L1	PE/Health 9	Portfolio		
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology H/L1	Western European History H/L1 or AP European History	PE 10, Health 10		World Language Music Tech I/II Music Theory Drawing I/II Sculpture Communications Music and Movement Concert Choir Drama	Art Foundations I/II Graphic Design Digital Media I/II Photography I/II Printmaking I/II Honors Art AP Studio - 2D Animation
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus→AP Calc AB or BC	AP Chemistry or Chemistry H/L1	US History H/L1 or AP US History				
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	AP Physics or Physics L1	Civics				

Wellness

This Plan of Study should serve as a guide, along with student success plans and other career planning materials, as learners continue on a career path. Courses listed within this plan are only recommended coursework and should be individualized to meet each learner's educational and career goals. All plans of study should meet local and state high school graduation requirements and college entrance requirements.

GRADE	English	Math Previous Year Coursework→Current Year Recommendation	Science	Social Studies	Additional Graduation Requirements	Strongly Recommended Course work for Pathway Preparation	Supporting Coursework
9	English 9	Math 8→Algebra I or Alg I →Geometry or Geometry →Alg II	General Science H/L1	Global Studies	PE/Health 9		Genetics Introduction to Sociology Psychology I/II Introduction to Law
10	English 10	Algebra I→Geometry (and optionally Alg II concurrently) or Geometry→Algebra II or Alg II→Precalculus	Biology	Western European History or AP European History	PE 10, Health 10		Child and Adolescent Psychology Social Psychology First Aid Lifetime Sports
11	English 11 or AP Eng Lang	Geometry→Algebra II or Alg IIA or Alg II→Precalculus (and optionally AP Statistics concurrently) or Precalculus →AP Calc AB or BC	Recommended: AP Chemistry or Chemistry H/L1	US History or AP US History			Weight Training and Aerobic Conditioning Ceramics I/II Sculpting I/II
12	1.0 Additional Credit	Alg IIA→Alg IIB or Algebra II→Precalculus or Prob and Stats/Finite or Precalculus→AP Calc AB or BC or AP Calc AB or BC→AP Stats	Recommended: AP Physics or Physics L1	Civics		Weight Training/Aerobic Conditioning Lifetime Sports Adaptive PE Peer Coaching Leadership Through Adventure	Jewelry and Enameling I/II Glass Techniques I/II Book Arts I/II World Language Symphonic Band

GUIDANCE SERVICES

Upon entering RHAM High School students are assigned to a school counselor who becomes the student's first source of help in planning his/her courses, in obtaining information about his/her educational and occupational future, and in helping the student to make personal and school related decisions.

The Guidance Department provides students with a developmental, systematic program, which is delivered:

- through classroom instruction
- through small group and individual meetings with counselors
- through consultation/collaboration with parents, teachers, administrators, school support staff and outside agencies

The school counseling program will help the student:

- ... to smooth the transition to high school
- ... to know himself/herself
- ... to establish goals
- ... to develop school success skills
- ... to make informed decisions
- ... to gain a knowledge of the world of work
- ... to plan for life after high school

FUTURE PLANNING

A wealth of up-to-date material on careers, colleges, and postgraduate schooling, both hard copy and through the Naviance web-based system, is available to every student at the high school. In addition, by using the Naviance program, students build a personalized academic and career portfolio which includes postsecondary options and career research and surveys. This portfolio is accessible to parents and is used for individual student planning. Counselors are available to assist students in gathering and cataloging educational resources and career information.

Co-curricular charts are included at the beginning of each department section to help students see the relationship between the courses they are taking and activities that are available to engage their interests, enhance their academic program, and suggest possible career choice. Colleges and employers value knowledgeable, competent, and well-rounded people who have demonstrated commitment and responsibility and work well in groups. Students are urged to work with their counselors to plan the program best suited to each student's unique talents and interests. (Refer to the Educational Planning Guide in the back of this book.)

PROGRAM

&

COURSE

DESCRIPTIONS

APPLIED TECHNOLOGY DEPARTMENT

The Applied Technology Department offers courses in the technology education and business areas as well as in the engineering and scientific fields. These courses offer students unique opportunities to develop and apply technical skills.

Students are encouraged to explore areas of interest and to pursue advanced study in areas related to possible career choices.

Several courses include interdepartmental experiences and may be selected to meet cross department requirements (refer to course descriptions).

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Technology Student Association Newspaper DECA Yearbook
Computer Club Computer Applications Club

INFORMATION / BUSINESS

Applied Computer and Digital Skills

8012

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will give students insight into the functionality of the G Suite (Google) for Education tools. This includes all of the core tools built into RHAM students' Chromebooks and other tools that are only accessible online such as Google Drawings. This insight will allow students to become more productive in their work and expand their learning. The course explores digital citizenship, literacy, copyright, and privacy. Prospective students will better understand how the internet works and how to keep themselves safe online. Students will acquire a well-rounded education in the use of technology and 21st century learning skills. They will have the option to become G Suite Certified.

Office Applications for Professionals

8014

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will explore the use of Office 365 in the professional workplace using real-world scenarios. Students will learn practical software application skills necessary for school or the professional workplace. Topics will include an overview of the Windows operating system and the entire Office 365 suite - including file management skills. This class is appropriate for those seeking to hone their computer office skills.

Personal Finance - Online

8021

Prerequisite - None

Semester

Level 1

Open to Grade 10-12

.5 Credit

3 MCC Credit Hours

Personal Finance introduces students to common financial challenges that individuals face every day in our society, empowering students to become financially literate. Students are exposed to a variety of situations and simulations to teach them how their personal decisions, the economy, national financial institutions, and how our government plays a role in their personal finances. It is crucial for students to gain a strong foundation in personal finance to ensure their financial stability in an ever-changing economy. Students will develop a foundation of knowledge in financial literacy regarding the basics of personal finance. These include personal decision making, personal income, managing finances and budgeting, saving and investing, buying goods and services, banking and financial institutions, using credit, protecting against risk, and knowing where to find resources to answer future questions. Course instruction and interaction will take place online through a classroom webpage and e-mail. As such, students must be prepared to commit the time necessary to independently read, research and communicate with their peers and the teacher. Students must be highly motivated learners who understand that an online course requires a commitment to self-directed learning. Periodic meetings at the discretion of the teacher will be mandatory throughout the semester. Students will have the option to apply for three (3) semester hours of college credit through Manchester Community College (BFN 111: Financial Literacy). The overall curriculum and expectations are in alignment with MCC requirements.

Financial Accounting

8004

Prerequisites - None

Full Year

Level 1

Open to Grades 10-12

1 RHAM Credit

4 MCC Credit hours

This full-year course is designed to enable the highly motivated student to build a strong foundation in accounting theory, which can be used in a business career or as a basis for a business major in a post-secondary institution. The course will enable students: to use the terminology relating to the accounting process; to maintain a complete set of accounting records for a sole proprietorship, partnership, and corporation; to prepare and interpret financial statements, both manually and through the use of automated accounting software; and to utilize accounting data for managerial decisions. Students (Sophomores, Juniors, and Seniors ONLY) will have the option to apply for four (4) semester hours of college credit through Manchester Community College (Accounting 115: Financial Accounting). The overall curriculum and expectations are in alignment with MCC requirements including the MCC exam. Students are encouraged, but not required, to work in the RHAM High School store for course extra credit. Accounting students will be encouraged, but not required, to be participating members of the DECA Marketing and Management Association. Eligible business students are encouraged to solicit membership in the RHAM high School chapter of the National Business Honor Society.

Management Principles

8007

Prerequisites - None

Full Year

Level 1

Open to Grades 10-12

1 Credit

This course is a business management program providing the student with a critical understanding of how business organizations work and are managed: their goals, strategies, structures, technologies, environments, motivations and interests of the people involved. Curriculum focus includes functions of management, entrepreneurship, business laws, international business, economic factors, and use of technology. Students' skills will be measured through use of a Virtual Business platform as well as stock market competition. Students are encouraged, but not required, to work in the RHAM High School store for course extra credit. Management students will be encouraged, but not required, to be participating members of the DECA Marketing and Management Association. The areas of business covered in this course are designed for the college and career bound student. This course meets the graduation requirement for technology credit. Eligible business students are encouraged to solicit membership in the RHAM high School chapter of the National Business Honor Society.

Marketing Principles

8009

Prerequisites - None

Full Year

Level 1

Open to Grades 10-12

1 Credit

This course presents the student with an analysis of problems and concepts concerned with the distribution of goods from producer to consumer. Students will develop skills in the nine key functions of marketing: selling, promotion, distribution, risk management, pricing, purchasing, marketing information management, product and service planning, and finance. Students' skills will be measured through the use of a Virtual Business platform. Students are encouraged, but not required, to work in the RHAM High School store for course extra credit. Marketing students will be encouraged, but not required, to be participating members of the DECA Marketing and Management Association. This course meets the graduation requirement for technology credit. Eligible business students are encouraged to solicit membership in the RHAM high School chapter of the National Business Honor Society.

COMPUTER SCIENCE

Computer Programming I

8016

Prerequisite – none
Semester

Level 1

Open to Grades 9 -12
.5 Credit

This course will focus on the development of programming starting with the core principles of programming and progressing to coding independently. The course will begin with the basic principles of coding and progress through flowcharting software and coding video games. Students will also learn the arduino coding language through the use of programmable drones. This course requires no prior knowledge in programming or coding.

Computer Programming II

8017

Prerequisite – Computer Programming I
Semester

Level 1

Open to Grades 9 -12
.5 Credit

This course is a continuation of Computer Programming I. Students will learn to code basic games and learn game theory. Then they will explore the world of game design through Construct 2 by programming their own video games and everything that goes with it, such as the code, visual assets, and audio assets.

Computer Hardware Repair

8013

Prerequisite - none
Semester

Level 1

Open to Grades 9 -12
.5 Credit

This course will focus on the building, repair, and maintenance of Windows and Mac based computers. Students will learn how to diagnose, repair and construct PCs. Popular computer topics in modern technology, career exploration in computer technology related fields, and the future of computer technology will be covered. Students will learn/practice these skills through hands-on lab activities.

AP Computer Science Principles

8019

Prerequisite – Algebra II Honors (C or better) or
Algebra II L1 (C+ or better)

Year

Honors Level

Open to Grades 10-12
1 Credit (elective)

AP Computer Science Principles is equivalent to a first-semester college computing course. Students will develop computational thinking skills vital for success across all disciplines. They will use tools to analyze and study data and work with large data sets to analyze, visualize, and draw conclusions from trends. The course uses a project based format focusing on student creativity. Students are encouraged to apply creative processes when developing computational solutions and while using computer software and other technology to explore questions that interest them. Students will build socially useful mobile apps using the visual programming language MIT App Inventor for Android. In this way, student learning will be associated closely with their interests and grounded in

their schools, their homes, and their communities. Students who are enrolled this course will be expected to take the AP exam. Completion of this course will earn an elective credit.

ENGINEERING TECHNOLOGY/ARCHITECTURE

Introduction to Engineering Design (Project Lead the Way – Initial Course)

8111

Prerequisites – Concurrent Enrollment in
Level 1 or Level 2 Mathematics
Full Year

Level 1

Open to Grades 9-12
(Preference to Grade 9 students)
1 Credit

Students can receive 3 hours of college credit

Introduction to Engineering Design is the first subject in a series designed to prepare high school students for success in a college engineering program. The major focus of this course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. Students use 3D solid modeling design software to design solutions to solve problems and learn how to document their work and communicate solutions to peers and members of the professional community. The new course methodology uses 3-dimensional solid modeling of parts and assemblies – the part itself is designed and analyzed in the computer. Once the model is created in the computer, whether it is a teapot or a space shuttle, the part can be rotated and observed from many different viewpoints. It can be animated; it can have different material characteristics applied to it; and its shape can be modified merely by changing a dimension's value. Computer-based 3D solid modeling is today's industry standard for design. The course will be taught using the same methods an engineer would use; that is, instruction will use problem solving with incomplete or inaccurate information so that the students can discover their own solutions. Original student designs and the application of solutions to real-world engineering problems will enhance the curriculum. This course relies heavily on daily use of computer technology. The course meets the graduation requirement for technology credit.

This course is offered annually.

Principles of Biomedical Science (Project Lead the Way)

8117

Prerequisite – Completion of Bio H (C or better),
Bio L1 (C+ or better) or Bio L2 (B or better)

Full Year

Level 1

Open to Grades 10-12

1 Credit

Student can receive 3 hours of college credit

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. **This course is offered in alternating years and will be offered in 2018 – 2019.**

Computer Integrated Manufacturing (Project Lead the Way)

8112

Level 1

Prerequisite – Introduction to Engineering Design or
Instructor's permission

Open to Grades 10-12

1 Credit

Full Year

Students can receive 3 hours of college credit

In Computer Integrated Manufacturing (CIM), students use the 3D solid modeling skills developed in Introduction to Engineering Design to solve problems related to the manufacturing of parts. Students will explore questions such as: How are things made? What processes go into creating products? How do assembly lines work? How has automation changed the face of manufacturing? The course is built around several key manufacturing concepts: computer modeling, Computer Numerical Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics and flexible manufacturing systems. Using computer-controlled rapid prototyping equipment CNC machines, students will fabricate models of their 3-dimensional designs. They will also be introduced to the fundamentals of robotics through the programming of a robotic arm. Automated manufacturing will be introduced by having the robot “talk” to the CNC machine through the use of handshaking programs. Design solutions will be evaluated using various techniques of analysis and appropriate modifications will be made before students produce their prototypes. Safety glasses are required. This course relies heavily on the daily use of computer technology and is designed for 10th, 11th, or 12th grade students. This course meets the graduation requirement for technology credit. **This course is offered in alternating years and will NOT be offered in 2018 - 2019.**

Principles of Engineering (Project Lead The Way)

8113

Level 1

Prerequisite – Introduction to Engineering Design or
Instructor's permission

Open to Grades 10-12

1 Credit

Full Year

Student can receive 3 hours of college credit

This survey course of engineering exposes students to major concepts included in a postsecondary engineering course. Students employ engineering and scientific concepts in the solution of engineering design problems. Using problem-solving skills they will apply their knowledge of research and design to create solutions to various challenges. They will document their work and communicate solutions to peers and members of the professional community. The course will be taught using computer-based 3D solid modeling techniques applied to student originated projects. Demonstration and discussion will be combined with individual and team-centered approaches to solve problems. A variety of engineering areas will be studied and many methods of solving engineering problems will be employed. Student 3D models will be fabricated and tested from the students' designs and their 3D models. Students will use software applications to make deflection calculations on beams. This course relies heavily on daily computer technology. This course meets the graduation requirement for technology credit. **This course is offered in alternating years and will NOT be offered in 2018 - 2019.**

Digital Electronics (Project Lead The Way)

8114

Prerequisite – Introduction to Engineering Design or
Instructor's permission

Level 1

Open to Grades 10-12

1 Credit

Full Year

Student can receive 3 hours of college credit

Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logic design, teamwork, communication methods, engineering standards and technical documentation. In Digital Electronics, students use applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices. Students will design printed circuit boards using computer software, then build and test their designs using tools and equipment common to industry. This course relies heavily on the daily use of computer technology. This course meets the graduation requirement for technology credit. **This course is offered in alternating years and will be offered in 2018 - 2019.**

Aerospace Engineering (Project Lead the Way)

8116

Prerequisite – Introduction to Engineering Design or
Instructor's permission

Level 1

Open to Grades 10-12

1 Credit

Full Year

Student can receive 3 hours of college credit

Aerospace Engineering engages students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Using 3-D design software, students work in teams utilizing hands-on activities, projects and problems and are exposed to various situations encountered by aerospace engineers. Through hands-on engineering projects developed with NASA, students learn about aerodynamics, astronautics, space-life sciences, and systems engineering (which includes the study of intelligent vehicles like the Mars rovers Spirit and Opportunity. Flying models of airplanes and rockets will be studied and constructed along with making models for wind tunnel testing. This course meets the graduation requirement for technology credit. **This course is offered in alternating years and will be offered in 2018 - 2019.**

Architectural Design

8131

Prerequisites - None
Semester

Level 1

Open to Grades 9-12

.5 Credit

This course provides an introductory experience in the complexities of the building construction industry through the use of Autodesk REVIT, state of the art 3D modeling software. This software allows students to concentrate on the requirements of a residential building while easing all of the exacting detail work needed to complete a house plan. Students will have the opportunity to make a complete set of house plans and an architectural model of the structure. This course includes residential planning, structural design, methods of building construction, financing, rendering,

model construction, design of electrical, heating and plumbing systems, and the methods of calculating needed data. This course relies heavily on computer technology daily. This course meets the graduation requirement for technology credit.

COMMUNICATION

Introduction to Video Production

8631

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

Intended for students interested in advanced video production techniques, this course will introduce students to the world of video and television production and is a prerequisite for all advanced video courses at RHAM High School. The course includes instruction in proper camera techniques, script writing, and digital editing, as well as some basic theory and history. Students will demonstrate their skills by creating five different types of videos using professional-grade editing software. Students must be able to work in small groups. Students will have the option to apply for three (3) semester hours of college credit through Manchester Community College (COM 166). The overall curriculum and expectations are in alignment with MCC requirements. This course also meets RHAM graduation requirements for technology or art credit.

Creating Motion Pictures

8480

Prerequisites – Grade of “C” or better in
Introduction to Video Production

Semester

Level 1

Open to Grades 9-12

.5 Credit

This is an advanced class for students interested in creating films. Students will study films from various directors, then work in groups to write scripts, shoot, and edit their own short films. Students with interests in creative writing, acting, directing, video and audio equipment operation, or video editing will fit well in this class. This course meets the graduation requirement for technology or art credit.

Broadcast Journalism I

8476 – Semester 1

8477 – Semester 2

Prerequisite – Teacher Approval

3 MCC Credit Hours

Semester

Level 1

Level 1

Open to Grades 10-12

.5 Credit (each)

This fast-paced course is an in-depth study of the mechanics, function, and purpose of broadcast journalism. Students work in groups to produce a live news program which is viewed by all students in the school as well as by the public on Facebook. Students will write scripts, conduct interviews, gather background footage, and edit their work on industry-standard computer software. Students

will also operate a working television studio with professional-grade lighting, sound, and broadcast television equipment. Students will have the option to apply for three (3) semester hours of college credit through Manchester Community College (COM 141). The overall curriculum and expectations are in alignment with MCC requirements. This course is available as either a single semester or a full year course.

Broadcast Journalism II

8484

Prerequisites – Grade of B or better in Broadcast Journalism I
and teacher approval

Full Year

Level 1

Open to Grades 11-12

1 Credit

Students continue their work on the weekly news broadcasts, and as producers and directors, take on the additional responsibilities of writing and managing the weekly shows. Students will learn new skills in the creation of graphics and other features for broadcasts and must have demonstrated strong technical and leadership abilities. This course may be repeated with the consent of the instructor. This course meets the graduation requirement for technology credit.

MANUFACTURING & MATERIALS

Manufacturing Technology I

8231

Prerequisites - None
Semester

Level 1

Open to Grades 9-12

.5 Credit

This is an introductory course in machine manufacturing. Students will study the use of and the proper operation of the lathe, milling machine, drill press, grinders, band saws, surface grinder and the sander. Students will be assigned projects and will have the opportunity for personal work. Safety glasses are required.

Manufacturing Technology II A

8271

Prerequisite – Grade of C or better in Manufacturing Technology I
Semester

Level 1

Open to Grades 10-12

.5 Credit

Manufacturing Technology is an advanced course concentrating on the student's independent studies in the following areas: the lathe, vertical and horizontal milling machines, drill presses, surface grinder, and grinding. Students will be given prints and material lists to follow and will work in very close tolerances. Basic sheet metal layout and fabrication will also be covered. Safety glasses are required.

Manufacturing Technology II B

8272

Prerequisite – Grade of C or better in Manufacturing Technology II A
Semester

Level 1

Open to Grades 10-12
.5 Credit

This is an advanced course with a heavy emphasis on independent studies in the following areas: the lathe, vertical and horizontal milling machines, drill presses, surface grinder, grinding, and the Plasma Cam machine. Students will create their own projects, make drawings and material lists and submit them for approval. Students will work in very close tolerances. Safety glasses are required.

Welding Technology I

8250

Prerequisites - None
Semester

Level 1

Open to Grades 9-12
.5 Credit

This is an introductory course in welding processing. Emphasis will be placed on the study and use of various tools and equipment found in the areas of welding, plasma arc cutting, brazing, soldering and torches. Students will be engaged in assigned projects, including personal work, research and skill building. Safety glasses are required.

Welding Technology II A

8291

Prerequisite – Grade of C or better in Welding Technology I
Semester

Level 1

Open to Grades 10-12
.5 Credit

In this advanced welding course where students work on their own projects using prints and material lists and the mig, tig, and stick welders. The use of the plasma cutter, torches, brazing, and soldering will also be covered. Projects in basic sheet metal and fabrication will be assigned. Safety glasses are required.

Welding Technology II B

8292

Prerequisite – Grade of C or better in Welding Technology II A
Semester

Level 1

Open to Grades 10-12
.5 Credit

In this advanced welding course students will create their own projects by making drawings and material lists and using the mig, tig, and stick welders. Students will also be assigned projects on the Plasma Cam machine. The use of torches, brazing, and soldering will also be covered. Safety glasses are required.

Introduction to Metals

8315

Prerequisites – None

Semester

Level 1

Open to Grades 9-12

.5 Credit

Do you want to learn how to work with metals? This beginning metals course introduces students to cutting and shaping metals, welding and using a state of the art computerized Plasma Cam cutter. Students will also fabricate a project using a digital controlled Lathe. Safety glasses are required.

Manufacturing/Industrial Use of Wood

8170

Prerequisites – Grades 9 and 10: None

Grades 11 and 12: Instructor's permission

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course is designed to give students an understanding of the materials used in the Construction and Manufacturing industry. The emphasis will be on wood and wood composite materials. Emphasis will also be on craftsmanship and safe and appropriate use of hand tools and power tools. Students will develop woodworking skills through the construction of various projects that will require many facets of woodworking. Safety glasses are required.

Cabinetmaking / Furniture Design and Construction

8190

Prerequisites - None

Full Year

Level 1

Open to Grades 9-12

1 Credit

This course is the study of the wood products industry. In this practical course, emphasis will be on craftsmanship, and safe and appropriate use of hand tools and power tools. Students will learn the fundamentals of quality joinery. Students will design and produce a product to be constructed in the areas of furniture and cabinetry. Research and problem solving skills will be studied considering economics, construction sequences, environmental impact, production control, and quality control. Safety glasses are required.

Cabinetmaking / Furniture Design and Construction – Advanced

8192 Advanced Course

Prerequisite – Grade of B or better in Cabinetmaking

Full Year

Level 1

Open to Grades 10-12

1 Credit

Advanced Cabinetmaking students will make a project such as furniture, or recreational sporting equipment. The repetition of quality joinery and craftsmanship will be emphasized. Appropriate selection of lumber and layout will be discussed. Emphasis will be on craftsmanship and safe, appropriate use of hand tools and power tools. Problem solving skills will be studied considering design, construction sequences, tool set-up, craftsmanship and finish. Safety glasses are required.

Construction Technology I

8191

Prerequisites – None

Full Year

Level 1

Open to Grades 10-12

1 Credit

This course will provide experience in carpentry skills, conventional residential framing, basic residential electrical house wiring, and finish carpentry. Also, units in machine and hand power tools, blueprint reading, structural design, and building location from a site plan will be covered. A group project will involve building a model house to scale, including cost analysis. Carpentry skills will include rough framing, roofing, and vinyl siding. Safety glasses are required.

Construction Technology II

8195

Prerequisite – Construction Technology I or

Cabinetmaking / Furniture Design – Advanced

Full Year

Level 1

Open to Grades 10-12

1 Credit

This course is a more advanced approach to residential (new construction and remodeling) and commercial carpentry. Units will include: building design, blueprint reading, building layout, concrete construction; rough framing (floor, wall, roof), metal framing, cabinet construction and installation, interior trim work, stair building and installation, and residential house wiring. A group project to build a full size wall section and wire with switches and lights is included. Safety glasses are required. This course may be repeated for credit with teacher permission.

THE ART DEPARTMENT

The Art Department offers a program of studies, which provides a wide range of courses to meet the varied needs of the students at RHAM. Students may choose from a variety of classes that will challenge both their interests and abilities. Credit earned from each of these courses may be applied toward the Fine or Applied Art credit required for graduation.

Art Foundations I

Art Foundations II

Drawing I

Drawing II

Painting I

Painting II

Printmaking I

Printmaking II

Photography I

Photography II

Graphic Design

Digital Media I

Digital Media II

Animation I

Animation II

Illustration and Sequential Arts I

Illustration and Sequential Arts II

Honors Art

Honors Art - 3D

Honors Art- Photo

AP Studio Art - 2D Design

AP Studio Art - Drawing

AP Studio Art - Photography

AP Studio Art – 3D Design

Publication (Journalism & Yearbook) Sem 1

Publication (Journalism & Yearbook) Sem 2

Publication Advanced (Journalism & Yearbook)

Ceramics I

Ceramics II

3D Design I

3D Design II

Jewelry and Enameling I

Jewelry and Enameling II

Jewelry and Enameling - Advanced

Glass Tech I

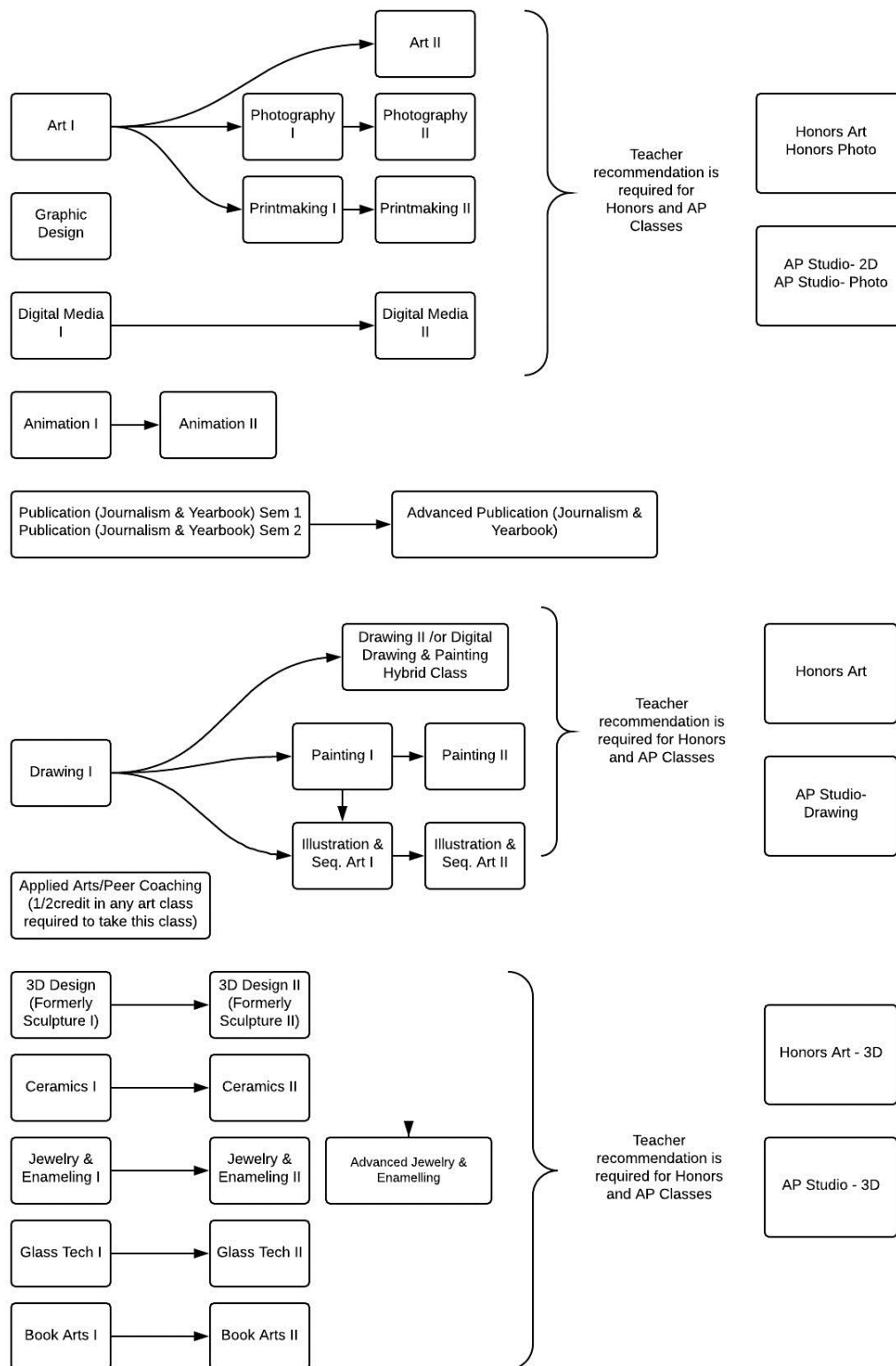
Glass Tech II

Book Arts I

Book Arts II

Applied Arts/Applied Arts Peer Coaching

Course of Study and Prerequisite Guide



Applied Arts

7115

Prerequisite – Planning & Placement Team Recommendation
Semester

Level 1

Open to Grades 9-12
.5 Credit

This course is designed for students whose needs preclude participation in regularly scheduled art classes. A program is designed to meet the needs of each student to give more individualized instruction, increase one-on-one time and facilitate peer interaction.

Applied Arts - Peer Coaching

7116

Prerequisite – completion of any Art course
Semester

Level 1

Open to Grades 9-12
.5 Credit

Students enrolled in this class will be art education peer coaches with students that have developmental disabilities. Students will work one-on-one with disabled students in a variety of media sharing their own knowledge and experience in the arts. Students will also be expected to complete research and reflection components related to working with disabled students in the arts. Furthermore, this course allows students to explore career options in this field.

Art Foundations I

7110

Prerequisites - None
Semester

Level 1

Open to Grades 9-12
.5 Credit

Art Foundations I is designed to give students a background in the fundamentals of art in preparation for advanced art courses.

The focus of this class will be on the following:

- Application of the Elements of Art and the Principles of Design
- Working with a variety of different material and techniques
- Aesthetic appreciation

Students attaining a C or better in Art Foundations I are eligible to take Art Foundations II, Printmaking I and Photography I.

Art Foundations II

7111

Prerequisite – Grade of C or better Art Foundations I
Semester

Level 1

Open to Grades 9-12
.5 Credit

Art Foundations II is designed to give the students a greater understanding of the visual arts.

- Students will complete more challenging and individualized projects.
- Students will focus on gaining a more complete understanding of the use and application of the Elements of Art and the Principles of Design.
- Students will work with a variety of media and techniques
- Aesthetic appreciation

Students attaining a B or better in Art Foundations I and Art Foundations II are eligible to take Honors Art and AP Studio Art 2D Design

Drawing I

7209

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

The primary focus of the drawing class is to teach students how to accurately translate 3- dimensional objects onto a 2-dimensional surface. Students will work in a variety of different materials including pencil, charcoal, and pastel. Students will learn about perspective, line drawing and modeling of forms. Through the projects assigned students will demonstrate an awareness and mastery of the flowing: Contour line drawing, modeling, texture and value studies. Students will also be required to maintain a sketchbook and complete written assignments as part of their coursework. Aesthetic appreciation will also be taught.

Students attaining a C or better in this course are eligible to take Drawing II, Illustration I, Painting I and Digital Drawing and Painting. This course is strongly recommended for students planning to submit an art portfolio to colleges.

Drawing II

7210

Prerequisite - Grade of C or better in Drawing I

Semester

Level 1

Open to Grades 10-12

.5 Credit

In this course students will be encouraged to explore a more creative approach to drawing. The focus will be on interpreting what is seen in more personal ways, portraiture, combining media, or attempting more challenging themes. Students will be required to maintain a sketchbook and complete written assignments as part of their coursework. Aesthetic appreciation will also be taught. Students attaining a B or better in this class are eligible to take Honors Art and AP Studio Art - Drawing This course is strongly recommended for students planning to submit an art portfolio to colleges The lab fee is \$10.00 (subject to change).

Painting I

7239

Prerequisites - Grade of C or better in Drawing I

Semester

Level 1

Open to Grades 9-12

.5 Credit

The primary focus of the painting class is to teach students how to accurately translate 3- dimensional objects onto a 2-dimensional surface using painting media. Students will work in a variety of different materials that may include acrylic, oil, watercolor, and Sumie. Students will also be required to maintain a sketchbook and complete written assignments as part of their coursework. Aesthetic appreciation will also be taught. Students attaining a C or better in this class are eligible to take Painting II. The lab fee is \$10 (subject to change)

Painting II

7240

Prerequisite - Grade of C or better in Painting I
Semester

Level 1

Open to Grades 10-12
.5 Credit

In Painting II students will be encouraged to explore a more creative approach to painting. The focus will be on interpreting what is seen in more personal ways, combining media, or attempting more challenging themes. Students will be required to maintain a sketchbook and complete written assignments as part of their coursework. Aesthetic appreciation will also be taught.

Students attaining a B or better in this class are eligible to take Honors Art and AP Studio Art - Drawing. This course is strongly recommended for students planning to submit an art portfolio to colleges. The lab fee is \$10.00 (subject to change).

Digital Drawing and Painting - (hybrid - online/classroom)

7523

Prerequisite - Grade of C or better in Drawing I
Semester

Level 1

Open to Grades 10-12
.5 Credit

This course is a hybrid course offering a part in-class and a part online curriculum. Students will explore drawing and painting using digital techniques in Sketchbook Pro and Adobe Photoshop. Students will have access to drawing tablets. The focus of this class is to teach students how to adapt the skills they developed in Drawing I for use with digital processes. Projects will range from life-drawing, design-based drawing, expressive and illustrative drawing. Students will also explore the possibilities of painting in digital media. Students will be expected to complete work outside of designated class time. This course will satisfy the RHAM tech credit or art credit requirements.

Printmaking I

7350

Prerequisite – Grade of C or better in Art Foundations I
Semester

Level 1

Open to Grades 9-12
.5 Credit

Students will explore a variety of printmaking techniques including linoleum block, monotypes, collographs, silk-screen, stencils and cyanotype. The focus of the course will be on learning the techniques and using them as a means of personal expression. Students will also study the history of printmaking, explore printmaking in contemporary art as well as the commercial potential of the printmaking medium. The lab fee is \$10.00 (subject to change).

Printmaking II

7351

Prerequisite – Grade of C or better in Printmaking I

Semester

Level 1

Open to Grades 10-12

.5 Credit

In Printmaking II students will be encouraged to explore a more creative approach to printing. Explore advanced and non-traditional printing techniques, combining media, and attempting more challenging images and themes. Students will also be required to maintain a sketchbook and complete written assignments as part of their coursework. Students attaining a B or better in this class are eligible to take Honors Art and AP Studio Art – 2D Design. The lab fee is \$10.00 (subject to change).

3D Design I (formerly Sculpture I)

7270

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course focuses on the application of design principles as they apply to 3D media as well as different types of sculpture. Students will be introduced to sculptural techniques in a variety of traditional media including paper, wood, stone, plaster, wire, found objects. Students will also explore 3D computer modeling. Students will be required to work in relief and full round design in functional and non-functional assignments. Students will be required to maintain a sketchbook and complete written assignments as part of the course work. Representational, Abstract and Non-Objective subject matter will be explored. Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art – 3D and AP Studio Art - 3D. This course is strongly recommended for students planning to submit an art portfolio to colleges. The lab fee is \$10.00 (subject to change).

3D Design II (formerly Sculpture II)

7273

Prerequisites – Grade of C or better in Sculpture I/3D Design I

Semester

Level 1

Open to grades 10-12

.5 Credit

Students will be encouraged to develop a portfolio, possibly focusing on a media of choice and to attempt more challenging assignments and sculpture techniques in order to gain a high level of expertise. Advanced carving, mixed media, large scale and environmental sculpture techniques may also be explored. Students will research sculptural techniques and styles used by contemporary artists as well as different cultures throughout history. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class are eligible to take 3D Honors Art – 3D and AP Studio Art - 3D. This course is strongly recommended for students planning to submit an art portfolio to colleges. The lab fee is \$10.00 (subject to change).

Photography I

7290

Prerequisites - Grade of C or better in Art Foundations I
Semester

Level 1

Open to Grades 9-12
.5 Credit

This course includes an introduction to darkroom photography with an emphasis on technique and the development of creative, personal photographic vision. Students will also be introduced to the history of darkroom. There will be regular critiques of professional work as well as student work. Artistic composition is stressed and students will be required to maintain a process log and complete writing assignments for the course. The Art Department has a limited number of cameras, which a student may sign out. This does not guarantee a camera to all students who do not have their own cameras. Students/parents understand that they are financially responsible for school cameras at time of sign-out. The lab fee for this course is \$15 (subject to change). If additional materials are needed each student must pay for this individually.

Photography II

7320

Prerequisites – Grade of C or better in Photography I
Semester

Level 1

Open to Grades 10-12
.5 Credit

This course will focus on digital photography. Students will learn additional photographic techniques and how to produce special effects with the camera. Students will explore the realm of digital photography and how to use PhotoShop to enhance their digital work. Students will be introduced to the brief history of digital photography as well as photography genres including discussions of historically significant and contemporary work. Students attaining a B or better in this class are eligible to take Honors Art and AP Studio Art – 2D and AP Photo. The lab fee for this course is \$15 (subject to change). If additional materials are needed each student must pay for this individually.

Graphic Design

7456

Prerequisites - None
Semester

Level 1

Open to Grades 9-12
.5 Credit

Graphic Design will be a computer-based course focusing on art as it relates to commercial purposes with a strong focus on the principles of design. This includes advertising design, business forms and promotional/packaging materials. Students will gain proficiency in Adobe Photoshop, Illustrator and InDesign.

Digital Media I

7505

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course focuses on creating artistic imagery using computer technology. Students will focus on understanding and implementing two processes of computer art: bitmap art using Adobe Photoshop and vector art using Adobe Illustrator. Art and design principles and theory will be discussed and applied throughout all projects. This course meets the graduation requirement for technology credit.

Digital Media II

7506

Prerequisites – Grade of C or better in Digital Media I

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course focuses furthering the exploration of digital medium through advanced practices in Adobe Photoshop and Illustrator. Students working with still imagery will create a portfolio of work centered on conceptual expression and the digital medium. This course meets the graduation requirement for technology credit. Students attaining a B or better in this class are eligible to take Honors Art and AP Studio Art – 2D Design.

Animation I

7520

Prerequisites – None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will focus on the variety of techniques used to create animation, and behind-the-scenes aspects of developing animation projects, including a variety of technical and non-technical production issues. Students will explore simple animations through the use of Traditional animation (hand-drawn), stop-motion (3D figures/puppets) and 2D computer animation (Adobe Flash). The history of American animation and how it has influenced contemporary animation techniques will be studied. Students will work both independently and in a group format to complete the assignments. No prior knowledge of animation is required.

Animation II

7521

Prerequisites – Grade of C or better in Animation I

Semester

Level 1

Open to Grades 10 -12

.5 Credit

This course will focus on individual exploration of a chosen process used to create animation- traditional hand-drawn, stop-motion, computer or rotoscoping. Students will narrow in on a single process of animation through the creation of a series of shorter animations and ending with a longer, polished animation. This will be self-directed and individualized, but students may choose to work as part of a small team. The history of American animation will continue to be studied, focusing on contemporary animators and their process. A C+ or better in Animation I is required.

Illustration and Sequential Art I

7530

Prerequisites – Grade of C or better in Drawing I
(Painting is strongly recommended)

Semester

Level 1

Open to Grades 10-12

.5 Credit

This fast-paced course provides an introduction to the art of illustration and sequential art. Students will increase their understanding of visual language while developing their ability to use that language through drawing to communicate ideas and information. Students explore a range of approaches and mediums to creating finished art for visual storytelling. This course is also an introduction to the language of comics and the sequencing of pictures to tell stories and convey information. In addition, students will examine some of the history of comics and illustration as it relates to the art community. This class will focus on black and white illustration using a variety of medium choices – both traditional and digital. The lab fee is \$10 (subject to change).

Illustration and Sequential Art II

7531

Prerequisites – Grade of C or better in Illustration and Sequential Art I
(Painting is strongly recommended)

Semester

Level 1

Open to Grades 10-12

.5 Credit

This fast-paced course provides a continuation of the study of the art of illustration and sequential art. Students will continue to develop their understanding of visual language while developing their ability to use that language through drawing to communicate ideas and information. This course will have a strong focus on using color in a variety of mediums – both traditional and digital. Projects will build on techniques learned in the introductory class as well as exploring painting and drawing techniques specific to illustration. Students attaining a B or Better in this class are eligible to take Honors Art and AP Drawing. The lab fee is \$10 (subject to change).

Publication: Writing and Design (Semester:Journalism & Yearbook)

8499	Level 1
Prerequisite - None	Open to Grades 9-12
Semester	.5 Tech credit

Publication: Writing and Design (Year:Journalism & Yearbook)

8500	Level 1
Prerequisite - None	Open to Grades 9-12
Full Year	1 Credit - .5 English & .5 (Art or Tech)

Publication: Writing and Design Advanced (Year:Journalism & Yearbook)

8501	Level 1
Prerequisite - At least 2 semesters of Publication	Open to Grades 11-12
Full Year	1 Credit - .5 English & .5 (Art or Tech)

This course is an in-depth study of the mechanics, function, and purpose of print, online news, and media. As students learn the skills for writing and designing for publication, they will work individually and in groups to produce articles and layouts for publications such as the RHAMbler magazine, RHAMbler e-newsletter, and RHAM Yearbook, with potential opportunities to write for community publications as well. Students will study and debate the legal and ethical freedoms and restrictions on the press, and will learn how to write a variety of news, opinion, feature, sports, and arts and entertainment pieces for print. Students will learn how to conduct interviews, practice research, and gather data and other relevant information in order to write compelling narratives. Students will learn layout and design principles and use professional-level software, including PhotoShop and Adobe InDesign for creating designs specific to the articles/events for various publications. Students who have taken at least two semesters of the class can take the Advanced section, a full year course, as a junior or senior. *Students who take the full-year Advanced section of this course will take on leadership roles as editors. Students must have completed at least one year or two semesters of Publication to be able to be considered at the advanced level.*

Honors Art - 2D

7145	Honors
Prerequisites – Teacher Recommendation	Open to Grades 11-12
Full Year	1 Credit

Students in honors art will be required to create a portfolio of 12 works over the course of the year. Work should be of a caliber suitable for presentation to art colleges. Additional writing, research and sketchbook assignments will be required. Students will create works both from life, from their imagination and abstract works. Students may work in any medium including, but not limited to, drawing mediums, painting mediums, and printmaking. The lab fee is \$15.00 (subject to change).

Honors Art – 3D

7146

Prerequisites – Teacher Recommendation

Full Year

Honors

Open to Grades 11-12

1 Credit

Students in Honors Art - 3D will be required to create a portfolio of 12 works over the course of the year. Work should be of a caliber suitable for presentation to Art Colleges. Additional writing, research and sketchbook assignments will be required. Students will create works both from life, from their imagination and abstract works. Students may work in any medium including, but not limited to, ceramic, plaster, stone, wood, glass, metal, or found materials. The lab fee is \$15.00 (subject to change). Sterling silver, stones, and PMC are optional and must be purchased separately.

Honors Art – Photography

7147

Prerequisites – Photography I & Photography II or
presentation of portfolio and teacher approval

Full Year

Honors

Open to Grades 11-12

1 Credit

Students in honors photography will be required to create a portfolio of 12 works or series over the course of the year. Work should be of a caliber suitable for presentation to art colleges. Additional writing, research and sketchbook assignments will be required. Students may work in the darkroom and/or digitally. The lab fee is \$15.00 (subject to change).

AP Studio Art - 2D Design

7154

Prerequisites – Teacher Recommendation

Full Year

Honors

Open to Grades 11-12

1 Credit

The AP Studio Art Portfolio course is intended for students who wish to take their art making and practices to a level of mastery equivalent to that of a college level course. The portfolio focuses on the development of strong artistic skills that allow students to visualize their ideas through design. The course encourages students to find their own voice in their art making, while guiding them in the successful application of a range of media. The lab fee is \$15.00 (subject to change).

SUMMER WORK

- This class requires the completion of summer work, which is graded.
- Students are responsible for getting summer work instructions from the instructor the semester prior to taking the class.

AP Studio Art: 3D Design

7150

Prerequisites – Teacher Recommendation
Full Year

Honors
Open to Grades 11-12
1 Credit

The AP Studio Art Portfolio course is intended for students who wish to take their art making and practices to a level of mastery equivalent to that of a college level course. The portfolio focuses on the development of strong artistic skills that allow students to visualize their ideas through design. The course encourages students to find their own voice in their art making, while guiding them in the successful application of a range of media. The lab fee is \$15.00 (subject to change).

SUMMER WORK

- This class requires the completion of summer work, which is graded.
- Students are responsible for getting summer work instructions from the instructor the semester prior to taking the class.

AP Studio Art: Drawing

7155

Prerequisites – Teacher Recommendation
Full Year

Honors
Open to Grades 11-12
1 Credit

The AP Studio Art Portfolio course is intended for students who wish to take their art making and practices to a level of mastery equivalent to that of a college level course. The portfolio focuses on the development of strong artistic skills that allow students to visualize their ideas through design. The course encourages students to find their own voice in their art making, while guiding them in the successful application of a range of media. The lab fee is \$15.00 (subject to change).

SUMMER WORK

- This class requires the completion of summer work, which is graded.
- Students are responsible for getting summer work instructions from the instructor the semester prior to taking the class.

AP Studio Art: 2D Photography

7157

Prerequisites – Photography II or
presentation of portfolio and teacher approval
Full Year

Honors
Open to Grades 11-12
1 Credit

The AP Studio Photography Portfolio course is intended for students who wish to take their photography practices to a level of mastery equivalent to that of a college level course. The portfolio focuses on the development of strong artistic skills that allow students to visualize their ideas through photography. The course encourages students to find their own voice in their art making, while guiding them in the successful application of a range of techniques and processes. The lab fee is \$15.00 (subject to change).

SUMMER WORK

- This class requires the completion of summer work, which is graded.
- Students are responsible for getting summer work instructions from the instructor the semester prior to taking the class.

Ceramics I

7260

Prerequisites – None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will introduce students to hand building techniques in clay including pinch, coil and slab construction. Students will create functional pottery as well as non-functional clay assignments utilizing additive and subtractive techniques. This course will also cover clay-finishing techniques including glazes, underglazes, sgraffito, painting and polishing. Kiln loading and firing will also be taught. Students will be required to maintain a sketchbook and complete writing assignments for the course.

Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art. The lab fee is \$10.00 (subject to change).

Ceramics II

7263

Prerequisites – Grade of C or better in Ceramics I

Semester

Level 1

Open to Grades 9-12

.5 Credit

Students will be introduced to wheel throwing and slip casting techniques as well as an introduction to historical periods; techniques and design in ceramics from different cultures. Students will be encouraged to develop a portfolio, possibly choosing a technique to focus on to create more challenging assignments in clay in order to gain a higher level of expertise. Advanced hand building may be explored as well as working with advanced finishing techniques or mixed media. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class are eligible to take 3D Honors Art. The lab fee is \$10.00 (subject to change).

Jewelry and Enameling I

7335

Prerequisites-None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will introduce students to metal working techniques and terminology used by professional craftsmen. Students will apply design principles to create original designs for jewelry, sculptures and other functional or decorative objects. Basic metal working and enameling techniques including sawing, cold connections, torch soldering, buffing, forging, forming, stenciling, limoges and sgraffito will be covered. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art. The lab fee for the course is \$15 (subject to change). Sterling silver is optional and must be purchased separately.

Jewelry and Enameling II

7337

Prerequisites-Grade C or better in Jewelry and Enameling I

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course builds on techniques and concepts learned in Jewelry and Enameling I as well as providing a more in depth look into the history and processes used by jewelers and enamel artists. More advanced metalworking and enameling techniques will be covered including lost wax casting, stone setting, precious metal clay, cloisonné and basse-taille. Students contracting for Level 1 must maintain a minimum of a “B” and complete a research project. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class are eligible to take 3D Honors Art. The lab fee for the course is \$15 (subject to change). Sterling silver, stones, and PMC are optional and must be purchased separately.

Jewelry & Enameling – Advanced

7334

Prerequisites –Grade of C or better in Jewelry and Enameling II

Semester

Level 1

Open to Grades 10-12

.5 Credit

Advanced students will be encouraged to develop a portfolio, possibly focusing on a particular technique. Students will be encouraged to choose techniques to focus on creating a series of more challenging assignments to gain a high level of expertise. Students may explore more advanced and complex techniques of design, forming, forging, casting, cloisonne, champleve and etching. Students will research contemporary jewelers and enamel artists as well as techniques used by different cultures throughout history. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class are eligible to take 3D Honors Art. The lab fee for the course is \$10 (subject to change). Sterling silver, stones, and PMC are optional and must be purchased separately.

Glass Techniques I

7430

Prerequisites - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course introduces the student to a variety of techniques and terminology used by stained glass professionals. The history and development of these techniques is covered as well as application of design principles. Included are glass painting, mosaic, warm glass/glass fusing, slumping, casting, copper foil method, and glass etching. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art. The lab fee is \$15.00 (subject to change).

Glass Techniques II

7431

Prerequisite – Grade of C or better in Glass Techniques I
Semester

Level 1

Open to Grades 9-12
.5 Credit

Advanced students will be encouraged to develop a portfolio, possibly focusing on a particular technique. Students will learn lead came construction, bead making/lamp working, advanced copper foil, fusing and casting techniques. Students may choose to make large windows, lamp shades, large fused glass pieces, lamp-worked or other three-dimensional projects. Students will research historically significant as well as contemporary glass artists. Students will be required to maintain a sketchbook and complete writing assignments for the course. Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art. There is no lab fee for the course because Advanced students must pay for their supplies on an individual basis.

Book Arts I

7460

Prerequisites – None
Semester

Level 1

Open to Grades 9-12
.5 Credit

Learn creative techniques for making beautiful books and journals as a means for self-expression. In this course students will learn a variety of bookbinding techniques and explore the world of contemporary book arts. The focus of the course will be on learning basic binding techniques as well as exploring how books can work as a creative way to convey information and ideas. We will explore folded books, stab-bound books, accordion books, flag books, and zines as well as a variety of different media and stamping techniques. The lab fee is \$10 (subject to change). Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art.

Book Arts II

7461

Prerequisites – Grade of C or better in Introduction to Book Arts I
Semester

Level 1

Open to Grades 10-12
.5 Credit

Students will continue their exploration of contemporary book art and explore more advanced binding techniques. Coptic binding and non-traditional bookbinding techniques will be explored. Students will work on class assignments as well as create a series of works books based upon more personal themes and ideas. The lab fee is \$10 (subject to change). Students attaining a B or better in this class plus one other 3D art course are eligible to take 3D Honors Art.

THE ENGLISH DEPARTMENT

The English Department offers a comprehensive and challenging, four-year language arts program to fulfill the needs and interests of all RHAM students. As freshmen, sophomores and juniors, students take full year courses designed to develop and refine their reading, writing, speaking, listening and viewing skills. As seniors, students may select from either one full-year or two semester long courses to meet graduation requirements. In addition to their yearlong courses as part of the 11th grade curriculum, juniors are also offered the opportunity to enroll in additional one-semester courses open to grades 11 and 12.

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Yearbook	Future Business Leaders of America	
Student Council	Newspaper	Drama Club
Literary Magazine	Poetry Out Loud	Drama United
Model UN	DECA	

Basic English I

9690

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course offers an individualized approach to basic language skills. It targets competencies in reading comprehension, reading for information, reading in the content areas, spelling, vocabulary, grammar, punctuation, and writing. The tutorial format allows for intensive skill assessment and remediation using individualized resources. The ultimate purpose of this course is to provide sufficient opportunities for a student to remediate language deficiencies, removing any impediments to progress in general education English courses and other language based courses. This course counts as a graduation distribution credit in the area of English and may be repeated for credit.

Basic English II

9700

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course is a continuation of Basic English I. An individualized approach is used to develop competencies in reading comprehension, reading for information, reading in the content areas, spelling, vocabulary, grammar, punctuation, and writing. This course counts as a graduation distribution credit in the area of English and may be repeated for credit.

Reading for Success

9703 Semester 1

Level 2

9706 Semester 2

Level 2

Prerequisites – By Recommendation
Semester

Open to Grades 9-12
.5 Credit (Elective)

Reading for Success is a one semester course designed to assist students in developing and refining critical reading skills and strategies for school, post-high school, and lifelong learning. Through formal and informal assessments, the teacher will identify each student's reading strengths and needs, which will be used to plan individualized, tiered instruction to remediate deficiencies and/or meet individual reading goals. Students will be given opportunities to apply these new skills and strategies in interpreting and analyzing literary works of fiction and nonfiction. Students may take this semester course more than once for credit (non English credit).

THE ENGLISH 9 PROGRAM

English 9 is a comprehensive full-year program which serves as a transition to help freshmen adjust to the requirements of high school. Each course offers an integrated program of study in literature/reading, composition, listening and rhetorical skills, and vocabulary development. Emphasis is placed on the development and refinement of skills in critical reading and literary analysis. Composition instruction includes paragraph development as well as the development of the multi-paragraph essay. In addition, each Grade 9 student is introduced to the process of writing a research paper. Activities such as class discussions and individual and group presentations will help students develop proficiency in rhetorical and listening skills.

English 9-2

0130

Level 2

Prerequisites - None
Full Year

Open to Grade 9
1 Credit

This course provides students with instruction in the development of critical reading and literary analysis skills. In the course, students will read, respond to and evaluate multicultural literature from all genres. Class discussion, composition, collaborative group work and individual and group presentations will provide students opportunities to develop proficiency in these skills. Writing instruction will focus on the structure and development of the paragraph as well as basic multi-paragraph informative, argumentative, and research papers. Essay instruction will focus on the writing process and patterns of organization. In addition, students will receive instruction in organization, time management and study skills.

English 9-1

0110

Prerequisites - None

Full Year

Level 1

Open to Grade 9

1 Credit

This course provides students with concentrated instruction in all facets of English language arts. In this course, students will read, respond to, analyze and critically evaluate multicultural literature from all genres. Formal and informal composition, class discussion, collaborative group work, and individual and group presentations provide students with numerous opportunities to refine these skills. Writing instruction focuses on the development and refinement of a variety of styles including informative and argumentative essays, literary analysis, and research papers. The writing process as well as the organization and structure of each essay type are emphasized. Students in this course are expected to be independent and motivated learners.

English 9 Honors

0100

Prerequisites: Teacher recommendation

Full Year

Honors

Open to Grade 9

1 Credit

This course challenges the academically talented, motivated and independent student with intensive instruction in English language arts. In the study of literature, students will read a variety of multicultural works from all genres. Class discussions, compositions, and individual and group presentations provide students with numerous opportunities to further refine their critical and analytical reading skills. Students will receive intensive writing instruction as they practice skills in creating informative, argumentative, and critical essays as well as the research paper. Emphasis is on the writing process as well as patterns of organization and structure of each essay type. Because English 9 Honors is an intensive, fast-paced and challenging course, students must be strong readers, have excellent organizational, time management and study skills, and be independent and highly motivated learners who are willing to grapple with complex issues.

English 9 - Inquiry

0115

Prerequisite: Open to Grade 9 students from
Inquiry Academy as well as
new applicants with teacher recommendation

Full Year

Honors

Grade 9

1 Credit

Inquiry English offers current Inquiry Academy and newly interested students the opportunity to choose an English class at the high school under the inquiry model. The class is designed to provide self-directed and self-motivated students with a more individualized education. This approach allows them the opportunity to focus and explore their areas of interest in a classroom that emphasizes communication, collaboration, creativity and innovation through inquiry, research, and problem-based learning. Students will engage in learning activities and use an inquiry approach as they read

a variety of multicultural works from all genres. Class discussions, compositions, and individual and group presentations provide students with numerous opportunities to further refine their critical and analytical reading skills. Students will receive intensive writing instruction as they practice skills in creating informative, argumentative, and critical essays as well as the research paper. Emphasis is on the writing process as well as patterns of organization and structure of each essay type. **To be successful, students must have excellent organizational, time management and study skills, and be independent and highly motivated learners who are willing to grapple with complex issues.**

Publication: Writing and Design (Semester: Journalism & Yearbook)

8499

Prerequisite - None
Semester

Level 1

Open to Grades 9-12
.5 Tech credit

This course is an in-depth study of the mechanics, function, and purpose of print, online news, and media. As students learn the skills for writing and designing for publication, they will work individually and in groups to produce articles and layouts for publications such as the RHAMbler magazine, RHAMbler e-newsletter, and RHAM Yearbook, with potential opportunities to write for community publications as well. Students will study and debate the legal and ethical freedoms and restrictions on the press, and will learn how to write a variety of news, opinion, feature, sports, and arts and entertainment pieces for print. Students will learn how to conduct interviews, practice research, and gather data and other relevant information in order to write compelling narratives. Students will learn layout and design principles and use professional-level software, including PhotoShop and Adobe InDesign for creating designs specific to the articles/events for various publications. Students who have taken at least two semesters of the class can take the Advanced section, a full year course, as a junior or senior.

THE ENGLISH 10 PROGRAM

English 10 is a comprehensive, full-year course building upon the foundation established in the ninth grade language arts curriculum. This course offers an integrated approach to the development and refinement of skills in critical thinking, reading/viewing, writing, speaking, and listening. In this course students critically read, respond to, analyze and evaluate a variety of classical and contemporary literature from all genres. Although the student is provided with instruction in all areas of language arts, this course places special emphasis on the development and refinement of writing skills. Students will be provided with concentrated instruction in writing and will use the writing process to compose a number of formal and informal essays. Activities such as class discussions and individual and group presentations are included to help students develop skills in listening and speaking.

English 10-2

0230

Prerequisites - English 9

Full Year

Level 2

Open to Grade 10

1 Credit

English 10-2 is a course designed to help the sophomore student improve critical thinking, reading and writing skills as well as organization and study habits. In this integrated course, the student will receive assistance in developing critical reading/viewing skills to analyze and evaluate a variety of texts, both fiction and nonfiction. In addition, the student will employ the writing process to create informative, argumentative, and critical analysis essays. Instruction focuses on the structure, organization and development of each essay type. A variety of activities such as cooperative groups, class discussions, and individual and group presentations help the student improve listening and speaking skills. Throughout the year, the student will be provided with instruction in organization and study skills.

English 10-1

0210

Prerequisites - English 9

Full Year

Level 1

Open to Grade 10

1 Credit

Designed for the college-bound high school student, English 10-1 focuses on the continued development and refinement of skills in all facets of English language arts. In this integrated course, the student will critically read/view, respond to, analyze and evaluate a variety of literary works from all genres. In addition, the level 1 student will employ the writing process to create informative, argumentative, narrative, and literary analysis essays. Specific instruction will focus on essay structure, development, and patterns of organization. A variety of activities such as class discussions, student-led discussions, and individual and group presentations help the student to refine speaking and listening skills.

English 10 Honors

0200

Prerequisites – Grade of B or better in English 9-Honors or
B+ or better in English 9-1 or teacher recommendation

Full Year

Honors

Open to Grade 10

1 Credit

Honors English 10 challenges the academically talented, motivated, and independent student with intensive instruction in all facets of English language arts. In this integrated course, the honors student will critically read/view, analyze, and evaluate a wide variety of challenging fiction and nonfiction texts. The honors student will employ the writing process to create a variety of formal and informal essays including informative, argumentative, narrative, literature-based research, and literary analysis. Specific writing instruction focuses on structure and patterns of organization, support and elaboration, transitions, tone, and appropriate point of view. A variety of activities such as class discussions, student-led discussions and individual and group oral presentations, help students refine speaking and listening skills.

8499

Prerequisite - None
Semester

Level 1

Open to Grades 9-12
.5 Tech credit

This course is an in-depth study of the mechanics, function, and purpose of print, online news, and media. As students learn the skills for writing and designing for publication, they will work individually and in groups to produce articles and layouts for publications such as the RHAMbler magazine, RHAMbler e-newsletter, and RHAM Yearbook, with potential opportunities to write for community publications as well. Students will study and debate the legal and ethical freedoms and restrictions on the press, and will learn how to write a variety of news, opinion, feature, sports, and arts and entertainment pieces for print. Students will learn how to conduct interviews, practice research, and gather data and other relevant information in order to write compelling narratives. Students will learn layout and design principles and use professional-level software, including PhotoShop and Adobe InDesign for creating designs specific to the articles/events for various publications. Students who have taken at least two semesters of the class can take the Advanced section, a full year course, as a junior or senior.

THE ENGLISH 11 PROGRAM

Students in grade 11 have options in how they approach their studies in English and are encouraged to explore the electives in the English curriculum that are open to grades 11 and 12. These electives can be found in the English 12 section of the handbook, but several are available to grade 11 students as well. In addition, there are some innovative two credit interdisciplinary courses that become available in grade 11 including American Studies (History and English) and The Earth and You (Science and English). Students are encouraged to explore all options available and to speak with their school counselor and teachers about many of these opportunities.

English 11

Offered as a full year course, English 11 is designed to provide the high school junior with a comprehensive study of American literature. In the program, the student will read and analyze representative works of American fiction, nonfiction, drama and poetry. These works are examined in the context of American history, social and cultural development, economics, and politics. Instruction in composition focuses on the development and refinement in writing literary analyses. Activities such as participating in class discussion, delivering speeches, and making class presentations are designed to help students develop proficiency in speaking and listening skills.

English 11-2

0320

Prerequisites - English 10

Full Year

Level 2

Open to Grade 11

1 Credit

English 11-2 provides the student with a representative study of American literature. Instruction will be provided in the refinement of literary analysis skills with some emphasis on historical, social, cultural, economic, and political precedents. Through the reading of various pieces of American literature, major themes will be identified and discussed. Instruction in composition will focus on the continued development and refinement of writing skills acquired in the tenth grade. In addition, the student will write literary analyses on selected pieces of literature.

English 11-1

0310

Prerequisites - English 10

Full Year

Level 1

Open to Grade 11

1 Credit

The English 11-1 student will read and explore a wide scope of American literature. The student will critically analyze each work in the context of historical, social, cultural, economic and political precedents. Major themes in American literature will be identified and the student will trace the development of those themes through several literary periods. Composition instruction will include the refinement of writing skills learned in the tenth grade including writing literature-based papers using literary criticism.

American Studies - English/Social Studies

0765/1325

Prerequisites – English 10, and Western European History
or teacher recommendation

Full Year

Level 1

Open to Grade 11

2 Credits -1 English, 1 US History

Offered as a full year course, American Studies is designed to bridge students' understanding of American history in relation to its literature and culture. The course will chronologically survey America's history from the Revolutionary period to the present. Students will examine works in the context of social and cultural development, economics, and politics. Students will be expected to understand that the American writer initiates, expresses, and reacts to the evolving philosophies that seek to determine America's best path forward. Students will explore various themes throughout the course with an emphasis on American identity, the importance of the American Dream, characteristics of leadership, struggle of state versus federal power, and ultimately *what makes the American voice?* Students must be committed to studying challenging academic material with an emphasis on formulating theses and drawing conclusions. They should expect to engage in thoughtful debate and active research while developing skills in analysis and synthesis, ultimately arriving at a lasting and memorable appreciation of America's past.

Note: Students must take both this course and # 1325 American Studies - Social Studies which will fulfill both U.S. History and English 11 credit requirements, usually completed by students in their junior year.

AP English: Language and Composition

0340

Prerequisites – Grade of B or better in English 10-Honors or
B+ or better in English 10-1 and/or teacher recommendation

Honors

Open to Grade 11

1 Credit

Full Year

This AP course is designed to provide academically talented juniors with comprehensive and in-depth instruction in language and composition. This course is geared specifically toward the ETS Advanced Placement Language and Composition exam and can mean a waiver of college freshman English and/or receipt of college credit. Organized within the framework of American literature, the student will analyze both American fiction and nonfiction in the context of historical, social, cultural, economic and political precedents. Major themes in American literature will be identified and traced in their development through several literary periods. In composition, the student will write a variety of informative, analytical or argumentative essays on literary topics. These essays will incorporate the use of literary criticism. In addition, each student will write two major research papers.

English 11 Electives

In addition to the required full year grade 11 American Literature class, electives are available. All junior English elective offerings can be found in the senior section with grade 11/12 designations. Students seeking to improve proficiency in speaking, reading, and writing are encouraged to explore these options. Students wishing to build stronger reading skills should also consider taking a semester of Reading For Success. There is also an opportunity to earn college credit through the MCC Communications course in junior year as well. A new and improved version of our traditional journalism course can also be found in this section and is open to juniors as a full and half year option.

THE ENGLISH 12 PROGRAM

During the final year in high school, seniors are provided with several options to fulfill graduation requirements, depending on their abilities, needs, interests and plans for the future. Students wanting the challenge of an honors or college level course may select one of three rigorous full year courses: AP Literature and Composition, Honors World Literature, or MCC English 101.

Students in all levels have multiple options to fulfill graduation requirements. In the one option, they may enroll in a full year course. In the second option, students may opt to take two one-semester courses. Students choosing this option MUST take a required one-semester course from column A and then either a second from column A or a second from column B. Students who require additional assistance with reading and writing skills may elect the full-year course, Themes in Literature. In addition to fulfilling graduation requirements, students are encouraged to take elective courses during their junior and senior years to pursue areas of interest.

SENIOR OPTIONS:

Full year courses: AP English
 MCC English 101
 Themes in Literature
 Earth and You
 World Literature

Half year courses:

- a. two from column A
- OR
- b. one from column A and one from column B

<u>A</u>	<u>B</u>
Contemporary Literature	Communications
British Literature	Creative Writing
Futuristics in Literature	Drama
Senior Topics	Publication: Writing and Design* (Journalism/Yearbook)
Native American Literature	Publication : Writing and Design Advanced* (Journalism/Yearbook)
	Poetry
	Writing Through Film

* If taken as a full year, this class constitutes .5 English credit (and .5 Art credit). If taken as the semester option, a tech credit will be given.

FULL YEAR COURSES

AP English: Literature and Composition

0350

Prerequisites – Grade of B or better in AP Language and Composition
or B+ or better in English 11-1 and teacher recommendation
Full Year

Honors

Open to Grade 12
1 Credit

This AP course provides academically talented senior English students with intensive instruction in literature and literary analysis. The course is geared specifically toward the ETS Advanced Placement Literature and Composition Exam and can mean a waiver of college freshman English and/or receipt of college credit. The course includes extensive reading and analysis of varieties of discursive prose and the study of the process of writing, from the discovery of the topic to the development of preliminary drafts to the final product. Students will study examples of prose from a broad range of historical periods that will serve as models for effective styles. The course offers a variety of writing assignments calling for the use of different styles or tones. Through such study and practice, students will gain an understanding of the principles of effective writing. Proficiency in grammar, usage, and writing conventions is assumed before enrolling in AP English.

MCC English 101: Composition

0785

Prerequisite – successful completion of English 11
and PSAT or SAT Critical Reading or Writing
Score of 450 or higher* *and* teacher recommendation
Full Year

Level 1

Open to Grade 12

1 RHAM Credit

3 MCC Credit hours

Affiliated with the College Career Program, MCC English 101 is a course specifically designed to provide RHAM students with a college level English composition course. Composition focuses on the study and practice of effective written communication across a variety of rhetorical situations. The course develops skills in applying language conventions, engaging with and using authoritative sources, and crafting logical arguments. There is a focus on scholarly reading, critical thinking, and both written and spoken expression. Because English 101 is a requirement for most college freshman, this course offers an option for college bound students who wish to satisfy college credit during their time at high school. Successful completion of the course can translate into receipt of college credit at MCC which transfers to Connecticut's state colleges as well as at many private and public colleges nationwide. A grade of C or better in the course is required for MCC credit.

*Prerequisites-PSAT/SAT Critical Reading or Writing Score of 450 or higher, **or** ACT English test score of 21 or higher, or ACT English and ACT Reading combined score of 47 or higher. If student does not have these scores, he or she can take an Accuplacer test and write a challenge essay.
Teacher recommendation required for this course.

World Literature Honors

0451

Prerequisites – Grade of B or better in AP Language and Composition
B+ or better in English 11-1 and teacher recommendation
Full Year

Honors

Open to Grade 12

1 Credit

This full-year course provides academically talented Senior English students with the opportunity to develop and refine college level critical reading, writing and thinking skills. Readings span from the Ancient Greeks through the Modern Era. Students are presented with a variety of writing assignments including: the personal essay, the literary critique, the philosophical discursive essay and the research paper. Students actively participate in Socratic seminars, self-directed study, and oral presentations. Proficiency in the conventions of effective writing and grammar usage is a prerequisite.

World Literature

0470

Level 1

0480

Level 2

Prerequisite - English 11

Open to Grade 12

Full Year

1 Credit

World Literature is a full-year college preparatory course designed to acquaint seniors with the literature from a variety of ancient as well as modern civilizations, cultures and historical periods. Course content includes the extensive reading of representative literary works from various cultures, historical eras and genres, written and oral analyses of the works, as well as class discussions. Students will be required to write several critical essays as well as at least one research paper.

Themes in Literature and Communication

0740

Level 2

Prerequisite – English 11

Open to Grade 12

Full Year

1 Credit

In this full-year course, students are provided with *intensive individualized instruction in essential and practical reading, writing, and communication skills*. Students will read, respond to, discuss and write about a variety of high-interest fiction and nonfiction organized into thematic units and connected to relevant contemporary issues. Students will receive instruction in literary analysis of several genres. Students will use the writing process to create effective paragraphs as well as several multi-paragraph compositions, including informative and argumentative essays, and the research paper. In addition to formal essays, students will apply their skills in writing a variety of practical forms including letters of complaint, opinion and application. Activities such as participation in class discussions and individual and group presentations are designed to assist the student in developing skills in speaking and listening.

SEMESTER COURSES - COLUMN A

(Seniors may take two courses from list A or one from list A and one from list B to satisfy senior English credit. Some are also open to juniors.)

Contemporary Literature

0755

Level 1/ 2

Prerequisite - English 10

Open to Grades 11-12

Semester

.5 Credit

Contemporary Literature is a semester-long elective English course with a focus on reading and engaging with contemporary texts. In the course, students will work on skills that will help them read, analyze, discuss, and write about a wide variety of contemporary and culturally diverse novels, plays, short stories, and poems, identifying both the universality and uniqueness of the human experience as expressed in literature. Students will demonstrate their understanding of and engagement with texts through written essays, projects, and group dialogues. The course is designed to promote reading for pleasure, appreciation for cultural diversity, and insight into human nature.

British Literature

0430

Prerequisite – English 10

Semester

Level 1

Open to Grades 11-12

.5 Credit

British Literature is a survey course designed to acquaint students with major literary eras, authors and trends in British literature. This course traces the development of this body of literature from Anglo-Saxon times through the twentieth century, examining major works of British literature within the context of history, philosophy, art and music. Extensive reading, discussion and analysis of selections in the anthology as well as additional assigned outside works are required. Students will write literature-based essays as well as one formal research paper.

Futuristics Through Literature

0460

Prerequisite – English 10

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Using works of science fiction literature, films, interviews, and nonfiction, this course examines the relationships and influences that various human technologies have had in the development of human interactions and the development of societies over the ages. The students will apply their understanding of the past influences of technology on the human experience by predicting how new and emerging technologies may influence the human experience in the future (futuristics). The students will support their predictions by researching the predictions of science fiction authors, past and present. By the end of the course, students in Futuristics will have a deeper understanding of and questions about humans as homo faber, the idea that human beings can control their fate and their environment through the use of tools. The students will conduct research, write essays, create multimedia presentations, and participate in class discussions. The students will use their skills in thinking, researching, writing, and speaking to fully defend and make a case for their assertions.

Senior Topics

0770

0780

Prerequisite - English 11

Semester

Level 1

Level 2

Open to Grade 12

.5 Credit

Senior Topics is a one-semester college preparatory course designed to prepare seniors for the challenges that they will encounter in post-secondary pursuits. In this course, students will critically read and evaluate literature which addresses contemporary problems or conflicts. The instructor will use thematically organized literature to guide students in the development of critical thinking, reading, writing and discussion skills. Through class discussions and a variety of challenging reading and writing assignments, students will further refine literary analysis and writing skills and develop proficiency as independent thinkers. The course emphasizes the development of skills required for successful transition to life after high school, which may include postsecondary education, military service, or career plans.

Native American Literature

0752

Prerequisite - 11th grade English

Semester

Level 1/2

Open to Grade 12

.5 Credit

During this one semester course, students will be introduced to the complex relationship between Native Americans and settlers on American soil, as well as other key issues in Native American history and culture. Students will explore the Native American experience through the lens of Native American writing, art, film and oral tradition and examine literature both by and about Native Americans. They will study the changes that have happened for Native Americans east to west, by looking at original cultural myths and stories, historical documents, modern fiction, poetry, non-fiction, the news, and film. Students will write both creative and analytical pieces. Issues such as authenticity, identity, and stereotype will be addressed. Students will read, write, respond and present based on the fiction and nonfiction of this class.

SEMESTER COURSES - COLUMN B

(May take one of these and one from column A to satisfy English requirement as a senior. Some courses open to juniors as well.)

Communications

0550

Prerequisite – Successful completion of English 10 and
PSAT or SAT Critical Reading or Writing Score
of 450 or higher or recommendation from Junior
Year English Teacher

Semester

Level 1/2

Open to Grades 11-12

.5 RHAM Credit

3 MCC Credit hours

Affiliated with the College Career Program, Communications is designed to help students develop their speaking and listening skills in order to become more confident communicators. During the semester, the students will prepare and deliver several different types of formal, research based, and extemporaneous speeches. Instruction will focus on the process of preparing each type of speech from the inception of a topic to the actual delivery of the speech with a focus on organization, research, writing, delivery and audience adaptation. MCC credit may be earned upon successful completion of this course (MCC:COMM 173 Public Speaking). Students will have the option to apply for college credit through the College Career Pathways program through Manchester Community College. A grade of C or better in the course is required for MCC credit. To enroll, applicant must have successfully completed English 10. Student must also have 450 or higher on PSAT or SAT or have successfully completed English 10 and or have a recommendation from grade 10 teacher.

Creative Writing

0420

Prerequisite – English 10

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Creative Writing is a course designed for students who wish to study various creative writing genres. Intended for students who have already mastered the basic mechanics of writing, this course will provide the opportunity to explore the techniques and styles of a wide variety of professional writers, as well as those of their peers. Actively engaged in both reading and writing, participants will be exposed to a broad spectrum of poetry, short stories, and personal essays. They will be asked to make use of rich and varied language and learn how to draw on their own experiences to create provocative, lively, and insightful work. The course offers students a flexible forum in which to develop and pursue personal writing goals and will help them with the type of writing typically requested on college applications.

Drama: History and Craft

0410

Prerequisites – English 10

Semester

Level 1

Open to Grades 11-12

.5 Credit

This active and engaging course allows students to learn the history of drama, to study the main components of a theatrical production, to learn the art of improvisation, and to put this knowledge to use by participating and performing in class. The course traces the chronological development of drama through several periods in theatre history. Students will examine representative plays from several major eras in theatre history including the Greek era, the Elizabethan era, the Restoration era, and the Modern era. Students will be exposed to aspects of theatrical production including acting, directing, lighting, sound, set design, playwriting, puppetry, and costumes. Performance-based assessment is a component of this course, so students will be required to perform periodically in class. This class is designed for students who have never acted before as well as students who live onstage.

Poetry

0425

Prerequisite - English 10

(Taking Creative Writing first is encouraged)

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

This one semester course is designed to meet the needs of more advanced or experienced creative writers who are interested in advancing and honing their skills. During the semester, students will have the opportunity to study more closely the work of other authors, both classical and contemporary, American and foreign, so that they have a more subtle understanding of the use of language they both read and write. Advanced poetry students will have many opportunities to explore a wider variety of types of poetry writing, from traditional forms such as sonnets to modern performance pieces, as well as the freedom to experiment with their own skills. It is recommended (but not required) that Poetry students take the Creative Writing course first.

Publication: Writing and Design (Semester:Journalism & Yearbook)

8499	Level 1
Prerequisite - None	Open to Grades 9-12
Semester	.5 Tech credit

Publication: Writing and Design (Year:Journalism & Yearbook)

8500	Level 1
Prerequisite - None	Open to Grades 9-12
Full Year	1 Credit - .5 English & .5 Art

Publication: Writing and Design Advanced (Year:Journalism & Yearbook)

8501	Level 1
Prerequisite - At least 2 semesters of Publication	Open to Grades 11-12
Full Year	1 Credit - .5 English & .5 Art

This course is an in-depth study of the mechanics, function, and purpose of print, online news, and media. As students learn the skills for writing and designing for publication, they will work individually and in groups to produce articles and layouts for publications such as the RHAMbler magazine, RHAMbler e-newsletter, and RHAM Yearbook, with potential opportunities to write for community publications as well. Students will study and debate the legal and ethical freedoms and restrictions on the press, and will learn how to write a variety of news, opinion, feature, sports, and arts and entertainment pieces for print. Students will learn how to conduct interviews, practice research, and gather data and other relevant information in order to write compelling narratives. Students will learn layout and design principles and use professional-level software, including PhotoShop and Adobe InDesign for creating designs specific to the articles/events for various publications. Students who have taken at least two semesters of the class can take the Advanced section, a full year course, as a junior or senior. *Students who take the full-year Advanced section of this course will take on leadership roles as editors. Students must have completed at least one year or two semesters of Publication to be able to be considered at the advanced level.*

Writing Through Film

0415	Level 1/2
Prerequisite – English 11	Open to Grade 12
Semester	.5 Credit

Writing Through Film is a half-year senior elective course that will allow students to study and explore a culturally significant way of storytelling. In this writing intensive course, students will view, critique, and study film as they would a piece of literature in another English course. This study is particularly relevant due to the consistent increase in the use of technology today and the fact that students are often more exposed to visual stimuli.

Writing Through Film is a course that allows students to critically study this common medium, offering the potential to become well-developed thinkers when viewing visual media. Analytical skills gained in this class can be applied to the written word in the form of essay assignments and projects, further offering students a chance to develop skills needed to be successful in the post-secondary world. Gaining a deeper understanding of film will allow students to have a stronger understanding of the fundamental question of why people tell stories.

THE FAMILY & CONSUMER SCIENCES DEPARTMENT

The Family Studies Department offers courses which address the health and wellness, leisure time, and consumer home economics need of the individual and his/her family.

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Cultural Awareness Club

Peer Helpers

RHAM Buddies

Early Childhood Education I

6210

Prerequisites – None

Semester

Level 1

Open to Grades 10-12

.5 Credit

This course will study pregnancy, childbirth, development and parenting during an infant's first year of life. The course explores prenatal development and follows the growth process through a baby's first twelve months. Emphasis will be placed on health during pregnancy, parenting responsibilities, and physical, social, emotional, and intellectual growth of infants. Curriculum will also include the roles of parents as they relate to the growing child with an emphasis on positive guidance and disciplinary techniques. Evaluation will be based on written assignments, class participation, tests, projects, and work in the AHM Preschool.

Early Childhood Education II

6211

Prerequisites – ECE I

Semester

Level 1

Open to Grades 10-12

.5 Credit

3 MCC Credit Hours

This course will study the different growth and development patterns of children from their first year of life through age 6. Emphasis will be placed on specific areas of physical, social, emotional, and intellectual growth. Evaluation will be based on written assignments, class participation, tests, projects, and work in the AHM Pre-School. Students (Sophomores, Juniors, and Seniors ONLY) will have the option to apply for (3) college credits through the College Career Pathways program through Manchester Community College. The overall curriculum and expectations are in alignment with MCC requirements.

Foods & Nutrition I

6270

Prerequisites – None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This introductory course will develop skills in the principles of nutrition and meal management including the selection, preparation and care of food related to individual basic nutritional needs. Evaluation will be based on laboratory experiences, written assignments and tests.

Foods & Nutrition II

6280

Prerequisite – Foods & Nutrition I

Semester

Level 1

Open to Grades 10-12

.5 Credit

This advanced course builds on the skills acquired and mastered in Foods & Nutrition I. Students will practice meal management skills including the planning and preparation of simple meals based on the principles of nutrition. Evaluation will be based on laboratory experiences, written assignments and tests.

Food Service Management: College Career Program

6320

Prerequisites - Foods and Nutrition I, (B or better), Algebra I

Semester/double period

Level 1

Open to Grades 11-12

1 RHAM Credits

3 MCC Credit hours

This course is offered cooperatively with MCC. Food Service Management is designed to develop skills in management, production, and service used in the food industry. The course includes instruction in planning, selecting, storing, purchasing, preparing, and serving food and food products; safety and sanitation precautions; use and care of commercial equipment; and management of food establishments. Supervised Work Experience extending beyond the normal school day is required of all students. Students will have the option to apply for three (3) semester hours of college credit through Manchester Community College (MCC: HSP 101: Principles of Food Preparation). The overall curriculum and expectations are in alignment with MCC requirements.

THE MATHEMATICS DEPARTMENT

The Mathematics Department offers a wide range of courses. There are four basic routes leading toward graduation. For most students, the choice will be made at the end of the eighth grade and will involve four subsequent years of mathematics in the sequence indicated. However, there are exceptions with some students starting in grade eight and taking five years of math and others only completing three years. Students have the flexibility to move between programs to suit individual strengths/needs and interests. Placement for Grade 9 courses is based on middle school math performance, honors criteria and teacher recommendation. The following are examples of programs of study in mathematics.

Program I

Algebra I (taken in grade 8, middle school)
Geometry, Honors
Algebra II, Honors
Pre-Calculus, Honors
AP Calculus
AP Statistics

Program II

Algebra I, Level 1
Geometry, Level 1
Algebra II, Level 1
Pre-Calculus, Level 1

Calculus, Level 1
Finite Mathematics, Level 1
Probability and Statistics, Level 1
AP Statistics

Program III

Algebra I, Level 2
Geometry, Level 2
Algebra II, Part A, Level 2
Algebra II, Part B & Trig, Level 2

Program IV

Essentials of Pre-Algebra, Level 2
Essentials of Algebra, Level 2
Essentials of Geometry, Level 2
Essentials of Advanced Algebra, Level 2

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Math Teams, Varsity & Junior Varsity
Middle School Math Lab

Math Contests
Technology Student Association

Environmental Club
Computer Contests

School to Career Math

9141

Prerequisites - Planning & Placement Team Recommendation

Open to Grades 11-12

Credit by Recommendation

The goal of this class is to assist students in developing and applying consumer math strategies in order to be successful in their postsecondary experiences. The emphasis of this course is on developing consumer math skills. Areas that will be covered include: budgeting and daily living expenses, banking and savings, investments, insurance, managing a paycheck, and comparison-shopping.

Basic Math I & II

9710 I

9720 II

Prerequisites - Planning & Placement Team Recommendation

Full Year

Open to Grades 9-12

1 Credit

These courses are offered by special arrangement to those students who would benefit from additional computational and problem solving skills development in basic math operations. Placement tests and frequent follow-up evaluations facilitate the course's individualized, sequential format. The ultimate purpose of this course is to provide sufficient opportunities for a student to remediate his/her computational deficiencies so that such deficiencies do not constitute impediments to normal progress in mainstream math courses. Each course counts as a graduation distribution credit in the areas of math and may be repeated for credit.

Math for Success

9704 Semester 1

9707 Semester 2

Prerequisites – **Must be enrolled in a concurrent math course**
Semester

Level 2

Open to Grades 9-12

.5 Credit (Elective)

Math for Success is designed to offer small group and individual instruction to help students increase their understanding of concepts in their primary (concurrent) math class. Student skill levels are assessed, and appropriate instructional modules/practice problems are assigned. Students also receive help and feedback regarding assignments in their primary math class. Math for Success provides 1/2 elective credit (not a math credit).

Essentials of Pre-Algebra

2010

Prerequisites – Math 8 and Teacher Recommendation

Full Year

Level 2

Open to Grades 9-12

1 Credit

Essentials of Pre-Algebra is designed for students who intend to complete the sequence of algebra – geometry – advanced algebra, but need to increase their skills of numerical concepts and be introduced to the concepts of abstract mathematics at a more deliberate pace. Students will evaluate expressions, solve and graph equations and inequalities. They will also perform the four operations with integers, decimals, rational numbers and polynomials. They will be introduced to basic concepts of geometry with algebra applications.

Essentials of Algebra

2030

Prerequisite – Grade of C- or better in Essentials of Pre-Algebra
and Teacher Recommendation

Level 2

Open to Grades 10-12

1 Credit

Full Year

This course is a continuation of the essentials sequence for those students who intend to complete the pre-algebra – algebra – geometry – advanced algebra mathematics sequence. This sequence is intended for students who need a more deliberate pace of introduction for the concepts of algebra. Students will increase their understanding of use of variables, solving linear equations, and graphing linear functions. They will also explore algebra topics such as functions, quadratics, sequences, and systems of linear equations.

Essentials of Geometry

2050

Prerequisite - Essentials of Algebra and Teacher Recommendation

Level 2

Open to Grades 10-12

1 Credit

Full Year

This course is a continuation of the essentials sequence for those students who intend to complete a pre-algebra-algebra – geometry – advanced algebra mathematics sequence, but need a more deliberate pace of instruction to more abstract concepts. Students will increase their understanding of perimeter, area, volume, angles, geometric relationships, congruence, similarity, and other related topics of geometry.

Essentials of Advanced Algebra

2070

Prerequisites: Essentials of Geometry and Teacher Recommendation

Level 2

Open to Grade 12

1 Credit

Full Year

This course is the continuation of the essentials sequence for those students who intend to complete pre-algebra – algebra - geometry - advanced algebra mathematics sequence, but need a more deliberate pace of instruction to the introduction of advanced algebraic concepts. The course begins with a review of basic algebraic terminology, notations, concepts and skills found in Algebra I. Topics covered in this course include solving and graphing linear equations, linear inequalities, quadratic, radical and exponential functions, and operations on polynomial and rational expressions.

Algebra I – Level 2

2140

Prerequisites – Grade of C- or better in Math 8/Adv. Math 8
and Teacher Recommendation

Level/2

Open to Grades 9-12

1 Credit

Full Year

This course will cover the same topics as Algebra I, Level 1, but will use a more concrete approach and utilize more practice. Numerous applications of concepts are explored. It is designed for the student who is better suited to a more structured approach, but who would like to complete the full Algebra curriculum in one year. A scientific calculator is required.

Algebra I – Level 1

2130

Prerequisites – Grade of B+ or better in Math 8
and Teacher Recommendation
OR Grade of B- or better in Advanced Math 8
and Teacher Recommendation

Full Year

Level 1

Open to Grades 9-12

1 Credit

This is a very challenging course designed to prepare students for college level courses requiring abstract reasoning and college preparatory courses in mathematics. Emphasis is placed on an algebraic approach to problem solving and skills of algebra. The course bridges the gap between the concrete ideas of arithmetic and the more abstract ideas of higher mathematics. Topics include operations with signed numbers, polynomials, linear and quadratic equations, graphing, and working with a variety of functions. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Geometry – Level 2

2230

Prerequisites – Algebra I L-2 and Teacher Recommendation
Full Year

Level 2

Open to Grades 10-12

1 Credit

This course contains the same concepts and topics as Geometry Level 1, but is characterized by more applications of geometric properties and less rigorous treatment of proofs. Algebraic skills are reviewed and used in the calculation of geometric problems. Deductive reasoning and a logical approach are used throughout the course. Scientific calculators are required in this course.

Geometry – Level 1

2210

Prerequisites – Algebra I (Honors 8th Grade)
OR
Grade of C or better in Algebra I Level 1
and Teacher Recommendation
OR
Grade of A- or better in Algebra I Level 2
and Teacher Recommendation

Full Year

Level 1

Open to Grades 9-12

1 Credit

This course focuses on the basic geometric figures with emphasis on discovery and logical reasoning. Concepts are presented visually, analytically, inductively, and deductively. A major objective is to develop the student's ability to think creatively and critically through investigative exploration and discovery. The student will follow algebraic proofs and formulate formal geometric proofs built on deductive reasoning and logic skills. The student will discover the logical connections between theorems to develop an appreciation and understanding of the proof process. Topics include geometric relationships, congruence, similarity, and other topics of geometry explored in two and three dimensions via investigation and proof.

Geometry, Honors

2200

Prerequisites – Grade of B or better in Algebra I (Honors 8th Grade)
and Teacher Recommendation
OR Grade of A- or better in Algebra 1 Level 1
and Teacher Recommendation

Honors

Open to Grades 9-12

1 Credit

Full Year

In this challenging course, students will develop reasoning and problem solving skills as they study geometric topics and their applications. These include congruence and similarity, as well as properties of lines, triangles, quadrilaterals, and circles. Students will use inductive reasoning to discover properties of geometry and hone their deductive reasoning skills through the completion of formal geometric proofs. They will also develop problem-solving skills by using length, perimeter, area, circumference, surface area, and volume to solve real-world problems.

Algebra II, Part A

2340

Prerequisites – Geometry, Level 2 and Teacher Recommendation
Full Year

Level 2

Open to Grades 10-12

1 Credit

Algebra II Part A covers basic concepts of Algebra II with more practice and review. The course provides a review of basic technology, notation, concepts, skills and applications of elementary algebra by means of a study of the real number system, equation solving techniques and real world applications. Topics investigated include the development of the concepts of function and relation, emphasizing linear and quadratic relations and functions, polynomial functions, systems, inequalities, rational expressions and functions, and radical expressions and functions. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Algebra II, Part B and Trig

2345

Prerequisites - Algebra II, Part A or Algebra II L1
and Teacher Recommendation

Full Year

Level 2

Open to Grades 11-12

1 Credit

3 MCC Credit Hours

This course is designed for students who have completed Algebra II, Part A, Level 2. Topics include the review and application of algebra and geometry, trigonometry, functions including linear, quadratic, rational, radical, and exponential; logarithms, polynomials, and sequences & series. Students taking this course have the opportunity to earn (3) college credits through Manchester Community College, providing they meet the requirements. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Algebra II – Level 1

2330

Level 1

Prerequisites – Grade of C or better in Geometry, Level 1 and
C or better in Algebra I, Level 1

Open to Grades 9-12

OR

B+ or better in Geometry, Level 2 and

B+ or better in Algebra I, Level 2 and Teacher Recommendation

Full Year

1 Credit

This challenging course includes a brief review of the principles and skills learned in Algebra I and Geometry followed by additional topics of operations with polynomials and functions, problem solving, radicals, systems, series and sequences, irrational and complex numbers, as well as exponents and numerical computations. An overall theme is transformations of functions and curve fitting via regression analysis. The techniques of algebra are learned as a study of the structure of the system of complex numbers. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Algebra II, Honors

2310

Honors

Prerequisites – Grade of B or better in Honors Geometry **OR**

Open to Grades 9-12

B+ or better in Geometry, Level 1

1 Credit

and B+ or better in Algebra I Level 1

and Teacher Recommendation

Full Year

This rigorous course is a continuation of Algebra I and Honors Geometry. New concepts emphasize relations and functions that include quadratics, higher order polynomials, exponential functions, and rational functions. The course's overarching themes are transformations of functions and curve fitting via regression analysis. Advanced topics include conic sections, sequences and series, and trigonometry. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Pre-Calculus

2531

Level 1

Prerequisites – Grade of B- in Algebra II, Level 1

Open to Grades 10-12

and Teacher Recommendation **OR**

1 Credit

B+ or better in Algebra II, Part B, Level 2

and Teacher Recommendation

Full Year

This course is a rigorous preparation for Calculus and other advanced level mathematics courses. The functions introduced in Algebra II, Level 1 are reviewed and further developed through exploration with the graphing calculator. Other topics covered include trigonometry and its applications, polar coordinates, and vectors. This course is recommended for any student who may be planning to pursue a mathematical or science related major at a post-secondary level. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Pre-Calculus, Honors

2530

Prerequisites – Grade of B or better in Honors Algebra II
and Teacher Recommendation

Full Year

Honors

Open to Grades 10-12

1 Credit

This course is a very rigorous preparation for calculus and other advanced level mathematics courses. Topics covered include the study of functions such as polynomial, rational, exponential, and logarithmic, as well as parametric equations and sequences. These topics will be further developed through explorations on the graphing calculator. Other topics include trigonometry and its applications, polar coordinates, and vectors. This course is recommended for any student who may be planning to pursue a mathematical or science related major at a post-secondary level. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

AP Calculus AB

2430

Prerequisites – Grade of B or better in Honors Pre-Calculus OR
B+ or better in Pre-Calculus Level 1
and Teacher Recommendation

Full Year

Honors

Open to Grades 11-12

1 Credit

Advanced Placement Calculus AB is a rigorous mathematics course designed for students intending to pursue a college major in mathematics, science, engineering or other mathematics related areas. Students wishing to receive advanced standing or placement in mathematics may also desire to take this course. The course discusses functions and their limits, derivatives, integration, and some applications of each. Students completing this course will be prepared to take the Advanced Placement Examination in mathematics-AB. There will be intensive use of graphing calculators to explore symbolic, graphic, and numeric investigations of functions and relations. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

AP Calculus BC

2433

Prerequisites – Grade of B+ or better in Honors Pre-Calculus
and Teacher Recommendation; or
A- in Pre-Calculus, Level 1 and Teacher Recommendation

Full Year

Honors

Open to Grades 11-12

1 Credit

Advanced Placement Calculus BC is a full-year course in the calculus of functions of a single variable. It includes all topics taught in Calculus AB (course 2430), plus additional topics such as parametric, polar, and vector functions; applications of integrals; as well as series of constants and Taylor series. In terms of common topics Calculus BC requires a similar depth of understanding as Calculus AB. Students completing this course will be prepared to take the Advanced Placement Examination in Calculus BC. On this exam, in addition to the Calculus BC score, a Calculus AB sub-score is reported based on performance on the portion of the exam devoted to Calculus AB topics (approximately 60 percent of the exam). A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

Probability and Statistics

2570

Prerequisites – Algebra II, L1 or Pre-Calculus L1 or
Algebra II Part B, L2; or
concurrent enrollment in Algebra II Part B L2
and Teacher Recommendation

Level 1

Open to Grades 11-12
.5 Credit

Semester

This course is an introduction to the concepts and techniques of statistical inference, probability, and the mathematics involved in these ideas. The student will use statistics and probability to describe data, communication of quantitative information, and decision making. Topics include measure of central tendency, measure of variation, statistical distribution, hypothesis testing, and probability. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

AP Statistics

2450

Prerequisites – Grade of C or better in Algebra II Honors;
B+ in Algebra II, Level 1; or B in Pre-Calculus, Level 1
and Teacher Recommendation

Honors

Open to Grades 10-12
1 Credit

Full Year

Advanced Placement Statistics is a rigorous course for academically talented juniors and seniors that may be taken concurrently with or subsequent to Pre-Calculus. This course is geared specifically toward the ETS Advanced Placement Statistics Exam and can mean a waiver of college freshman math and/or receipt of college credit. Four areas of study as cited by the College Board will include exploring data, planning a study by deciding what and how to measure, anticipating patterns using models from probability theory and simulation, and statistical inference. **Students planning to take this course must have an advanced graphing calculator such as a TI 84+ which will be used extensively to model problems.** The course is designed for college preparatory students with interests in physical, biological and social sciences or mathematics. This course may be taken for credit even if credit was earned in Probability and Statistics.

Finite Mathematics

2560

Prerequisites – Algebra II, L1 or Pre-Calculus L1 or
Algebra II Part B, L2; or
concurrent enrollment in Algebra II Part B L2
and Teacher Recommendation

Level 1

Open to Grades 11-12

Semester

.5 Credit

This course is primarily designed for students planning to pursue a liberal arts major in college. This course is an elementary introduction to college mathematics and logic as well as the algebra of sets, with applications to the theory of probability and matrix algebra. Topics discussed will not involve the use of calculus. A Texas Instruments graphing calculator is required (TI 84+ is recommended.)

AP Computer Science Principles

8019

Honors Level

Prerequisite – Algebra II Honors (C or better) or
Algebra II L1 (C+ or better)

Open to Grades 10-12
1 Credit (elective)

Year

AP Computer Science Principles is equivalent to a first-semester college computing course. Students will develop computational thinking skills vital for success across all disciplines. They will use tools to analyze and study data and work with large data sets to analyze, visualize, and draw conclusions from trends. The course uses a project based format focusing on student creativity. Students are encouraged to apply creative processes when developing computational solutions and while using computer software and other technology to explore questions that interest them. Students will build socially useful mobile apps using the visual programming language MIT App Inventor for Android. In this way, student learning will be associated closely with their interests and grounded in their schools, their homes, and their communities. Students who are enrolled this course will be expected to take the AP exam. Completion of this course will earn an elective credit.

THE MUSIC DEPARTMENT

The RHAM Music Department offers a wide range of musical options. All students are encouraged to participate in performance, technology, or classroom music courses during their high school career. Students participating in performance groups should attempt to make a four-year commitment to the program. Students interested in pursuing music as a career should consider the following courses: Music Theory, Music Production, Music Scoring for Film, in addition to vocal and/or instrumental ensembles. The following is a list of courses available to students in each grade level:

Grade 9-12

Wind Ensemble	Jazz Band	Music Theory
Symphonic Band	Concert Choir	Percussion Ensemble
Chamber Singers	Music Production	Music Scoring for Film
Encore	Music and Movement	History of Popular Music
Music Production and Recording		

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Drama Club	Pep Band Club	Music Department Officers
Auditorium Sound & Lighting Technician		Tri M: Music Honors Society

Symphonic Band

7608	Level 1
Prerequisite - Ability to play a band instrument	Open to Grades 9-12
Full Year	1 Credit

This course includes rehearsal and performance of a variety of band literature. Attendance at all major performances, including the Memorial Day Parade, is mandatory. Students will be required to supply formal concert attire or equivalent. This course may be repeated with consent of instructor.

Wind Ensemble

7620	Level 1
Prerequisite - Placement by annual audition	Open to Grades 9-12
Full Year	1 Credit

Eligibility to take the audition includes membership in good standing in the Symphonic Band or the RHAM Middle School 8th Grade Band.

Wind Ensemble is a select instrumental ensemble for students who have demonstrated advanced proficiency in their ability to play an instrument. In this course, rehearsal and performance of a variety of advanced concert band literature is required. Attendance at all major performances, including the Memorial Day Parade, is mandatory. Students will be required to supply formal concert attire or the equivalent. This course may be repeated with the consent of the instructor.

Jazz Band

7675

Prerequisite – Placement by annual audition.

Full Year

Level 1

Open to Grades 9-12

1 Credit

Eligibility to audition – membership in good standing in the RHAM Middle School 8th Grade Band, High School Symphonic Band or the High School Wind Ensemble. Students must also be registered to participate in the Symphony Band or the Wind Ensemble as an additional requirement to perform with the Jazz Band.

Jazz Band is a select performance ensemble that will rehearse and perform a variety of jazz styles. Jazz Band meets one night per week, and in small group sectionals.. Instrumentation will be limited to saxophone, trumpet, trombone, piano, guitar, and drum set. Students are expected to attend all scheduled rehearsals and participate in all performances. Students will be required to supply formal concert attire or the equivalent. This course may be repeated by consent of the instructor.

Percussion Ensemble

7678

Prerequisite - ability to play percussion

Full Year

Level 1

Open to Grades 9-12

1 Credit

Percussion ensemble is a music performance ensemble consisting only of percussion instruments. It is only open to percussionists. Students will rehearse and perform repertoire written specifically for percussion ensemble. In addition, students will learn and perform the percussion parts for Symphonic Band and Wind Ensemble. Attendance at all major performances, including the Memorial Day Parade, is mandatory. Students will be required to supply formal concert attire or equivalent. This course may be repeated with consent of instructor.

Concert Choir

7653 Semester 1

7654 Semester 2

Prerequisites - None

Semester

Level 1

Level 1

Open to Grades 9-12

.5 Credit

Concert Choir is an introductory choral performance ensemble that rehearses and performs a variety of choral literature. Students are expected to attend all rehearsals and participate in all performances. Students will be required to supply formal concert attire or the equivalent. Enrollment in both semesters is required. This course may be repeated with consent of instructor and a “B” or better grade.

Encore

7660

Prerequisite – Placement by annual audition

Full Year

Level 1

Open to Grades 9-12

1 Credit

This select **treble choir** will perform a variety of advanced choral music representing many different styles. Students will be expected to perform at many extra concerts and community events throughout the year. Students will be required to supply formal attire or the equivalent.

Chamber Singers

7661

Prerequisite – Placement by annual audition

Full Year

Level 1

Open to Grades 9-12

1 Credit

This select mixed choir will perform a variety of advanced choral music representing many different styles. Students will be expected to perform at extra concerts and community events throughout the year. All students will be required to supply formal concert attire or the equivalent.

Music Theory Foundations

7720

Prerequisites-None

Semester

Level 1

Open to Grades 9-12

.5 Credit

Music Theory is an introductory study of the language and structure of music. The course is designed to introduce students to the basic rules and guidelines of music that have developed from the seventeenth century to the present day. Coursework includes: elements of pitch and rhythm, notation symbols, ear training, dictation, scales, chords, intervals, part writing. This is an elective course for students who desire a more complete conceptual understanding of music. Students will be required to complete a variety of written and aural assignments.

Music Production

7752

Prerequisite - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

Throughout this course, students will gain introductory knowledge into the field of music composition and production using technology. They will write music using a computer connected to audio production equipment (Digital Audio Workstation or DAW). They will use musical elements to create form and structure, digitally edit their works, and master projects for publication. All information learned will be real world examples of how artists produce music. Class projects will include creating ringtones, mashups, remixes, and original compositions. Students will create songs that can be streamed or downloaded to any internet connected device. This course meets the graduation requirement for technology credit.

Music Scoring for Film

7761

Prerequisite – None

Semester

Level 1

Open to Grades 9-12

.5 Credit

The primary focus of this course is to compose music and record audio in support of video. Students will learn how to use Logic Pro X and its powerful synthesizer engine to create their own electronic instrument sounds. Students will also gain an overview of microphones to record audio into Logic. Additionally, students will record voiceovers such as radio shows, Podcasts, and sports broadcasts, create sound effects using various objects, and compose original music to be used in a video/sound project. This course meets the graduation requirement for technology credit.

Audio Production and Recording

7765

Prerequisite - None

Semester

Level 1

Open to Grades 9-12

.5 Credit

Music Production dives into the art of music production, audio recording, and the science of music. Students will learn types of microphones and their functions, microphone setups for different music ensembles, and how to mix and master recorded and live audio. Students will have the opportunity to record live musicians as well as shadow alongside a sound engineer during school concerts. Acoustics, or the science of sound, will be gradually taught throughout the course as it pertains to certain sound principals. Examples of acoustical study include measuring music and sound in RHAM's state-of-the-art auditorium and designing new instruments. This course meets the graduation requirement for technology credit.

Music and Movement

7780

Prerequisites-None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will focus on a variety of choreographic techniques. Students will study the history of choreographers that have influenced the musical theater world as well as create and choreograph their own works. Students will dance both individually and cooperatively. Students will be encouraged to explore across disciplines, such as art/theater/poetry, in order to convey their understanding of dance. Along with choreography, students will also gain experience with a variety of different mediums and processes to articulate themselves through the medium of dance.

History of Popular Music

7730

Prerequisites-None

Semester

Level 1

Open to Grades 9-12

.5 Credit

This course will focus primarily on the history of popular music from the early-20th century and continuing up until recent years. With this course, students will learn how events from each decade influenced the music that was being composed and visa versa. An example of this is the invention of the computer and how that influenced acoustic music. This course will give students an overview of how music has evolved throughout recent history.

THE PHYSICAL EDUCATION & HEALTH DEPARTMENT

The Physical Education & Health Department offers courses which address the health and wellness of an individual. The main focus areas are physical fitness, personal safety and appropriate decision making. Courses are used to meet the physical education, health, and substance abuse graduation requirement.

RECOMMENDED COURSE OF STUDY

	<u>Required</u>	<u>Electives</u>
Grade 9	Physical Education 9	
Grade 10	Physical Education 10 Health 10	
Grades 11 & 12	Wellness Education Program (Connecticut Substance Abuse Education Goals)	Weight Training & Conditioning Lifetime Sports CERT - Responding to Emergencies Adapted PE – Peer Coaching Leadership Through Adventure

	<u>Physical Education/Health 9</u>	
6610		Level 1
Prerequisites - None		Open to Grade 9
Semester		.5 Credit

This program, required of all students in Grade 9, offers a physical education program that emphasizes lifelong wellness. Physical fitness will cover cardiovascular endurance, muscular strength and endurance, flexibility and ways to change body composition. In addition, the students will be given practical experience in a number of individual and team sports activities where sportsmanship, skill development and respect of others are stressed. Students will learn CPR/AED and have the opportunity to earn American Red Cross Certification.

	<u>Physical Education 10</u>	
6620		Level 1
Prerequisite - Physical Education 9		Open to Grade 10
Semester		.5 Credit

This program, required of all students in Grade 10, offers a physical education program that emphasizes mental and physical health as well as physical fitness. Work will continue on cardiovascular endurance, muscular strength and endurance, flexibility, and body composition. Selected individual and team sport activities will be emphasized. All students will be required to take the State Physical Fitness Assessment. In addition, the students will be introduced to the Components of Skill Related Fitness which includes power, speed, agility, reaction time, coordination and balance.

Health Education 10

6630

6632

Prerequisites - Physical Education/Health 9

Semester

Level 1

Unleveled

Open to Grade 10

.5 Credit

This program, required of all students in Grade 10, offers a health education program that places emphasis on holistic health and wellness. Included will be the following content areas: nutrition, stress, mental health, advanced directives, the stages of loss and grief, physical and sexual abuse prevention, the reproductive system and human growth and development, disease prevention, AIDS education, and substance abuse prevention.

Lifetime Sports

6640

Prerequisites - Health 10 & PE 10

Semester

Level 1

Open to Grades 11-12

.5 Credit

This is an elective for all students in Grades 11 and 12. It emphasizes individual well-being through a diversified program of elective activities. Emphasis is placed on lifetime sports with carryover value to a healthy lifestyle. This course can be repeated, but no additional credit will be given.

Weight Training and Aerobic Conditioning

6650

Prerequisites – PE 9 and PE 10

Semester

Level 1

Open to Grades 11-12

.5 Credit

This is a rigorous elective for all students that have earned credit in PE 9 and PE 10. The course is designed to introduce the student to a variety of exercises and activities appropriate for enhancing the aerobic conditioning, muscular strength and endurance, as well as overall physical fitness of the student. Students will be responsible for designing a weight training and fitness routine that meets their personal fitness goals including pre-, post-, and in-season workouts, personal interests, and physical injuries. The theory of muscle confusion is studied and practiced through the revision of student workouts during the semester to prevent plateau developing towards fitness goals. Students are expected to be self motivated and hard working during this class.

CERT-Community Emergency Response Training

8483

Prerequisites – None

Semester

Semester

Level 1

Open to Grades 9-12

.5 Credit

This class is intended for students interested in emergency medical services, firefighting, or emergency management careers. Training includes first aid, triage, fire extinguishers, search and rescue, and radio communications. The RHAM CERT team is trained to work with emergency responders at large incidents and disasters. Hands-on instruction will be augmented with presentations by professionals from the emergency management fields. Students will have the opportunity to earn several state and national certifications. Students will also receive a free

backpack containing safety gear (reflective vests, tools, etc.) upon completion of the course. For more information on CERT visit <http://www.citizencorps.gov/cert>.

Adapted Physical Education

6660

Prerequisites - Planning & Placement Team Recommendation
Semester

Open to Grades 9-12
.5 Credit

This course is designed for students whose needs preclude participation in regularly scheduled physical education classes. A program is designed to meet the individual needs of each student.

Adapted PE - Peer Coaching

6667

Prerequisites - Completion of PE 9, PE 10, and Health 10, &
Teacher Recommendation
Semester

Level 1
Open to Grade 11-12
.5 Credit

This is an elective for students in Grades 11 and 12. Students enrolled in this class will be physical education peer coaches with students that have developmental disabilities. Students will work with disabled students in a variety of sports/fitness settings (this includes locker room supervision). This course allows students to work and to help people with disabilities and to explore career options in this field.

Leadership Through Adventure

6670

Prerequisites: - Completion of PE 9, PE 10, and Health 10
Semester

Level 1
Open to Grades 11-12
.5 Credit

This is an elective for all students in Grades 11 and 12. This course emphasizes social skills, communication, and leadership development using activities, challenges and experiential education. Participants will explore group dynamics, unveil personal values, and apply them to group challenges and low and high ropes course elements. Individuals will be encouraged to step outside of their comfort zone and challenge themselves to strengthen group bonds and reflect on character and integrity. The Leadership Through Adventure course will provide the venue and skills to help students bridge the gap between knowing the right decision and making it in life. Knot tying, field trips, and student instruction may also be included.

THE SCIENCE DEPARTMENT

The Science Department offers courses that have a threefold purpose: to develop literacy and understanding of the basic concepts and principles of science which shape our daily lives; to extend capacity for rational thought and action by focusing on facts, concepts, and principles as the important basis for decision-making; and to promote concern and involvement in some of the issues that are vital to our wellbeing as individuals and as members of the common community.

Students must earn three credits in science for graduation including one in the biological sciences area and another in the physical sciences area. General Science and Biology are strongly recommended as they are prerequisites to most of the courses in the Grade 11 and 12 science electives programs.

Program Opportunities in Science

Grade 9: General Science - Honors, Level 1, Level 2

Grade 10: Biology - Honors, Level 1, Level 2

Grades 11 – 12:

AP Chemistry – Honors

Chemistry - Honors

Chemistry - Level 1

Chemistry - Level 2

Physics - Level 1

Physics - Level 2

AP/ECE Physics I & AP/ECE Physics C – Honors

AP Biology – Honors

AP/ECE Environmental Science - Honors

Astronomy/Meteorology - Level 1/2

Geology/Geology of North America – Level 1/2

Environmental Sciences – Level 1, Level 2

Genetics - Level 1

Exercise Physiology - Level 1

Allied Health: College Career Pathways Program: Honors

Med Careers

Anatomy & Physiology

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Environmental Club

Math Club

Technology Student Association

Basic Physical Science

9760

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course may be offered by special arrangement to those students who are in need of a physical science course. Emphasis will be placed on the study of matter and energy. This course will also include the study of matter and how it changes—chemistry, and the study of energy and how it acts with matter--physics. Basic Physical Science counts as a graduation distribution credit in the area of science.

Basic Earth Science

9770

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course may be offered by special arrangement to those students who are in need of a earth science course. Emphasis will be placed on the study of the earth's land, water and air. This course will also include the study of outer space and the objects in it. Basic Earth Science counts as a graduation distribution credit in the area of science.

Basic Life Science

9780

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course may be offered by special arrangement to those students who are in need of a biological science course. Emphasis will be placed on the study of living things. This course will include the study of animals, plants, ecology and the human body. Basic Life Science counts as a graduation distribution credit in the area of science.

General Science Level 1

3111

Prerequisites - B- or better in 8th grade math
Full Year

Level 1
Open to Grades 9-12
1 Credit

This course focuses on understanding how scientific knowledge is created and communicated, Earth system processes and its formation in the solar system, natural and human impacts on climate, hydrology, gravitational and electrical forces and motion, and the role of energy in our world. Students taking this course are required to have strong organizational, reading and writing skills. The approach to the material will be through lecture and discussion, supplemented by demonstrations, inquiry activities, experimentation, and projects.

General Science Level 2

3112

Prerequisites - None

Full Year

Level 2

Open to Grades 9-12

1 Credit

This course focuses on understanding how scientific knowledge is created and communicated, Earth system processes and its formation in the solar system, natural and human impacts on climate, hydrology, gravitational and electrical forces and motion, and the role of energy in our world. The approach to the material will be through lecture and discussion, supplemented by demonstrations, inquiry activities, experimentation, and projects.

General Science, Honors

3100

Prerequisites – B+ or better in STEM, or A- or better in 8th grade Science; and B or better in Algebra I

Full Year

Honors

Open to Grade 9

1 Credit

This is an enhanced college preparatory general science course designed for the student who shows motivation, ability and deep interest in science and math. The course lays a foundation for all honors work throughout the sciences. The ninth grade focuses on understanding how scientific knowledge is created and communicated, Earth system processes and its formation in the solar system, natural and human impacts on climate, hydrology, gravitational and electrical forces and motion, and the role of energy in our world. Students are expected to work independently, practice and improve skills learned in English and math, and become more proficient at problem solving in the sciences.

General Science - Inquiry

3115

Prerequisite: Open to Grade 9 students from Inquiry Academy as well as new applicants with teacher recommendation

Full Year

Honors

Grade 9

1 Credit

Inquiry General Science offers current Inquiry Academy and newly interested students the opportunity to choose a science class at the high school under the inquiry model. The class is designed to provide self-directed and self-motivated students with a more individualized education. This approach allows them the opportunity to focus and explore their areas of interest in a classroom that emphasizes communication, collaboration, creativity and innovation through inquiry, research, and problem-based learning. Students will engage in a variety of learning activities and use an inquiry approach as they use real world science practices to develop an understanding of physical and Earth science principles. **To be successful, students must have excellent organizational, time management and study skills, and be independent and highly motivated learners who are willing to grapple with complex issues.**

Biology Level 1

3211

Prerequisite – C or better in Level 1 General Science L1,

A or better in Level 2 General Science L2

Full Year

Level 1

Open to Grades 10-12

1 Credit

This is a survey course of biology and will serve as a college preparatory course in biology. Students will study molecular and cellular biology, structure and function relationships, genetics, life functions and energy transformations, reproduction, evolution and ecological interactions in the environment. Classes will provide students opportunities to practice problem solving, analysis and experimental design. Students are expected to be able to work both independently and cooperatively. Required skills include self-reliant organization, willingness to actively participate in class discussions and group activities, reading and writing above grade level and the ability to independently analyze scientific data and phenomena.

Biology Level 2

3212

Prerequisite – General Science

Full Year

Level 2

Open to Grades 10-12

1 Credit

This is a survey course of biology and will serve as a college preparatory course in biology. Students will study molecular and cellular biology, structure and function relationships, genetics, life functions and energy transformations, reproduction, evolution and ecological interactions in the environment. Classes will provide students opportunities to practice problem solving, analysis and experimental design. Students are expected to be able to work both independently and cooperatively. Students are expected to have basic study habits and organization skills, be able to read and write at or near grade level, be willing to participate in class discussions and demonstrate functional writing and grammar.

Biology, Honors

3200

Prerequisites – A- or better in General Science L1,

B or better in Honors General Science

Full Year

Honors

Open to Grades 10-12

1 Credit

Honors Biology is a college preparatory course geared for the student who shows excellent reading and writing abilities and a sincere interest in the sciences. All major high school biology topics will be covered, with an emphasis on structure-function relationships, molecular and cellular biology, biochemistry, genetics, ecology, evolution and biodiversity. Students are expected to work both independently and cooperatively in groups. Students will focus on complex reading, problem-solving, modeling, using evidence-based writing and experimental design. Class will be taught through a variety of teaching styles and hands on experiences.

AP Biology

3220

Prerequisites – Grade of A or better in Honors General Science;
or B or better in Honors Biology, or A or better in
Biology L1

Honors

Open to Grades 10-12

Full Year

1.5 Credits

It is recommended that students take chemistry as a prerequisite or concurrently with AP Biology.

AP Biology is equivalent to an introductory college level biology course. It places a large emphasis on reading and interpreting technical text as well as developing laboratory and analysis skills. Major topics included in the course of study are biochemistry, cellular structure and function, energy transformations, cell division, Mendelian genetics, molecular genetics, evolution, plant and animal physiology and ecology. This is a very rigorous course and will require a substantial amount of work outside of class; therefore, students are expected to possess independent study skills and a diligent work ethic. Upon successful completion of the course students will be prepared to take the Advanced Placement Biology Exam. The class meets five class periods and two laboratory sections per week.

Chemistry Level 2

3330

Prerequisites – Algebra I (L1 or L2) or Essentials of
Algebra, and Biology

Level 2

Open to Grades 11-12

Full Year

1 Credit

This course will explore how chemical principles and concepts are developed and used to explain phenomena in our daily lives. This will include classroom lectures, demonstrations, discussions, and laboratory experimentation. More emphasis is placed on the understanding of chemical applications than the mathematical applications of chemistry, however basic algebra and graphing abilities are required. This class is appropriate for students planning to attend a technical or non-scientific college program.

Chemistry Level 1

3310

Lab 3311

Prerequisites – Grade of A or better in Algebra I L2 or B- or better
in Algebra I L1

Level 1

Open to Grades 11-12

Full Year

1.25 Credits

This course is strongly recommended for college preparation. It is a chemistry course geared for the student who shows good abilities in science and math. Chemical concepts will be investigated through laboratory experimentation, demonstrations, classroom instruction and discussion. Topics covered necessitate mathematical computations to relate theory and experimental data; therefore, a strong mathematical background is required.

Chemistry, Honors

3300

Lab 3301

Honors

Open to Grades 11-12

Prerequisites – Grade of B or better in Biology Honors; or A or better in Biology L1 or L2 with an A- or better in Algebra II L1 or B or better in Honors Algebra II or concurrent enrollment in Honors Pre-Calculus

Full Year

1.25 Credits

This is a college preparatory chemistry course geared for the student who shows exceptional ability in the sciences and math. Each student will work independently in the chemistry laboratory with in-depth analysis of chemical experiments. All major topics of high school chemistry will be covered with a strong emphasis on mathematical concepts as related to chemistry.

AP Chemistry

3305

Lab 3306

Honors

Open to Grade 11-12

Prerequisites – Grade of B or better in Honors Biology or A or better in Biology L1/2, and an A or better in Algebra II L1 or B or better in Honors Algebra II or concurrent enrollment in Honors Pre-Calculus and teacher recommendation

Full Year

1.5 Credits

Advanced Placement Chemistry is equivalent to an introductory college level chemistry course. It is a very rigorous course and which requires a substantial amount of work outside of class; therefore; students are expected to possess independent study skills and a diligent work ethic. Topics covered will include stoichiometry, thermodynamics, kinetics, equilibrium, electrochemistry, and acids and bases. Students are expected to take the National AP Examination which may entitle them to receive college chemistry credit.

Physics Level 2 - Everyday Physics

3594

Prerequisites – Algebra I (L1 or L2) or Essentials of Algebra, and Biology

Level 2

Open to Grades 11-12

Full Year

1 Credit

This course focuses on understanding the basic concepts of physics which unify our experience with the physical world. Topics are presented at an introductory level for the student with minimal background in physical science. Algebra I skills are necessary for basic calculations of what governs the motion and physical interaction of bodies in nature and at the subatomic level. Science related topics of special interest are discussed. Examples include: alternatives for energy production and conservation; life-saving medical equipment; and ethical decisions in the application of new scientific discoveries. There is not a formal lab block, however lab experiments and demonstrations will be integrated throughout the course.

Physics Level 1

3590

Prerequisites – Algebra II and Biology

Full Year

Level 1

Open to Grades 11-12

1.25 Credits

The scope of physics ranges from the huge bodies in space to the sub-microscopic particles within the atom. The relationship of motion to the different forms of energy, such as electrical, mechanical, nuclear, etc., is of primary concern to the student of physics. The effects of electrical, gravitational, magnetic, and nuclear fields are also examined. Mathematics is used in problem solving and to make predictions. Demonstrations and experimentation provide direct experience with the topic areas. One day a week will consist of a double laboratory. This course is strongly recommended for college preparation.

AP/ECE Physics I

3596

Prerequisite: B or better in Honors Pre-calculus or
A- in Pre-calculus L1 or concurrent
enrollment in Honors Pre-calculus

Full Year - 2 double lab periods a week

Honors

Open to Grades 11-12

1.5 Credits

This course is offered cooperatively with the University of Connecticut Department of Physics. Its form, content and rigor are comparable to those of General Physics I: PHYS 1201Q as described in the UCONN Undergraduate Bulletin. ECE/AP Physics 1 is an algebra based introductory physics course that focuses on mechanics and first semester college physics topics. This is a yearlong course which also prepares students to take the AP Physics 1 exam in May. The course is geared towards students interested in majoring in science, medicine and engineering at the college level. Topics covered include: force, linear and rotational motion, work, energy, momentum, simple harmonic motion, waves properties, pendulums, fluid dynamics, thermodynamics and gravitation. Twice a week the class meets for a double period for laboratory investigations. At least 25% of the course-work will be laboratory based. Students taking this course junior year should consider taking AP Physics 2 or AP Physics C during their senior year for a complete physics sequence. A summer reading/assignment is required

AP Physics II

3597

Prerequisite: B or better in Honors Pre-calculus or
A- in Pre-calculus L1 or concurrent
enrollment in Honors Pre-calculus

Full Year - 2 double lab periods a week

Honors

Open to Grades 11 - 12

1.5 Credits

AP Physics 2 is an algebra based introductory physics course that focuses on electricity and magnetism and second semester college physics topics. Students do not have to have taken AP Physics 1 before AP Physics 2. This is a yearlong course which prepares students to take the AP

Physics 2 exam in May. The course is geared towards students interested in majoring in science, medicine and engineering at the college level. Topics covered include: a brief overview of linear motion, force, work and energy, static electricity, circuits, magnetic fields, electromagnetism, optics, and nuclear and modern physics. Twice a week the class meets for a double period for laboratory investigations. At least 25% of the course-work will be laboratory based. Students taking this course junior year should consider taking AP Physics 1 or AP Physics C during their senior year for a complete physics sequence. A summer reading/assignment is required.

AP/ECE Physics C - Mechanics

3595

Prerequisite: Calculus or concurrent enrollment
Full Year – 2 double lab periods a week

Honors

Open to Grades 11-12
1.5 Credits

This course is offered cooperatively with the University of Connecticut Department of Physics. Its form, content and rigor are comparable to those of General Physics with Calculus I: PHYS 1401Q as described in the UCONN Undergraduate Bulletin. ECE/AP Physics C is a full-year calculus-based physics course intended for those interested in engineering, physics and chemistry at the college level. The course covers Newtonian Mechanics and will prepare students to take the AP Physics C Mechanics test in May - this is the content that corresponds with UCONN PHYS 1401Q. Calculus is used to solve problems and basic integration and derivations will be taught as needed. Twice a week the class meets for a double period for laboratory investigations. A summer reading/assignment is required.

AP/ECE Environmental Science

3426

Prerequisite: B or better in Biology
Full year – 2 double lab periods a week

Honors

Open to Juniors and Seniors
1.5 Credits

This course is offered cooperatively with the University of Connecticut Department of Natural Resources. Its form, content and rigor are comparable to those of Environmental Science NMRE 1000 as described in the UCONN Undergraduate Bulletin. Students will also be prepared to take the Environmental Sciences AP exam in May. The course is an interdisciplinary introduction to basic concepts and areas of environmental concern, and how these problems can be effectively addressed. Topics include human population growth and agriculture; ecological principles; conservation of biological resources; biodiversity; soil and water conservation; air, water, and soil pollution management; wildlife and fisheries conservation; and environmental economics. Environmental science is an interdisciplinary science that incorporates the natural sciences (biology, chemistry, and physics) with the social sciences (economics, politics, policy, mathematics, communications). Students are required to participate in the CT Envirothon competition in May (see www.ctenvirothon.org). **A summer reading assignment is required.**

The University of Connecticut reserves the right to screen registrants. College credit is awarded to those who maintain a minimum of a "C" average. Students who are not accepted by the University of Connecticut can still take the course and receive high school credit as long as the above criteria are met. There is a fee for the course that is paid to UCONN to register for the course.

Astronomy and Meteorology

3490

Prerequisite – Algebra I

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Basic and advanced principles, theories, concepts, and procedures/techniques from areas of astronomy and meteorology will be covered in this comprehensive, advanced level course. Astronomy is the science of celestial bodies and their magnitude, motions, and construction. Lab activities and experimentation will include both daytime and evening astronomy/photography sessions. Meteorology is the study of the atmosphere and weather, including air masses, fronts, clouds, winds, storms, weather satellites, and weather modification. The weather center and supplementary equipment will be used for weather analysis and forecasting.

Geology

3540

Prerequisite – Algebra I

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Basic and advanced principles, theories, concepts, and procedure/techniques from areas of geology and conservation will be covered in this course. New topics dealing with earthquake prediction and control, in conjunction with Plate Tectonics will be investigated, as well as the geologic hazards of the Great Fault of Connecticut. Color slides, motion pictures, and rock specimens will assist in studying North American geology. Laboratory activities and experimentation will include individual student laboratory mineral testing, and identification using a mineral key.

Environmental Science L1

3424

Prerequisite Biology and Algebra I

with C or better

Year

Level 1

Open to Grades 11-12

1 Credit

The course is an interdisciplinary introduction to basic concepts and areas of environmental concern, and how these problems can be effectively addressed. Topics include human population growth and agriculture; ecological principles; conservation of biological resources; biodiversity; soil and water conservation; air, water, and soil pollution management; wildlife and fisheries conservation; and environmental economics. Environmental science is an interdisciplinary science that incorporates the natural sciences (biology, chemistry, and physics) with the social sciences (economics, politics, policy, mathematics, communications). Students will have opportunities for fieldwork/trips to enhance their learning including: ecological studies at Bluff Point State Park, water quality work with the DEEP in the Salmon River Watershed, participation in a salmon hatchery and release program with the CT Salmon Recovery Association, invasive species study with the DEEP at Hammonasset State Park, and other opportunities on the RHAM campus. Students may also have the opportunity to participate in the CT Envirothon competition (www.ctenvirothon.org).

Environmental Science L2

3423

Prerequisite – Biology

Year

Level 2

Open to Grades 11-12

1 Credit

This course examines human impact on the environment with a concentration on the complex interactions between the living and nonliving factors in the various ecosystems. Topics investigated include: biomes, ecosystems, populations, and biodiversity. Particular emphasis will be given to the human population and its effect on water, air, land, and climate. Concepts of renewable and nonrenewable resources will be examined as well as the effect of science and technology on society. Hands-on field work will be combined with inquiry labs to enhance student understanding.

Genetics

3480

Prerequisite – Biology

Semester

Level 1

Open to Grades 11-12

.5 Credit

This course will focus on human characteristics and how they are inherited including various genetic diseases. Laboratory investigations will include the mating of fruit flies, working with genetic traits of plants, humans, bacteria, and DNA. How physical, physiological, and behavioral traits are inherited, how continuity is maintained through generations, how species purity and diversity are produced, how changes occur, and how humans influence their potential for genetic change will serve as the subject framework of the course. Time will also be devoted to exploring the consequences of genetic engineering on people and their culture.

Exercise Physiology

3512

Prerequisite – Honors Biology or Bio L1 or L2 with a C+ or better
and current First Aid or have CPR/First Aid certification
from AHA or Red Cross by the end of the first semester

Full Year

Level 1

Open to Grades 11-12

1 Credit

This course is offered cooperatively with the American Council on Exercise and is a preparatory course for the ACE certificate examination for Personal Trainers. This course progresses from the foundation of biology and focuses on the effect of exercise on human anatomy and physiology and includes topics on human anatomy, exercise physiology, fundamentals of applied kinesiology, nutrition, and the physiology of training. Topics relating to the role and scope of the personal trainer include integrated fitness training, exercise for special populations, injury prevention, leadership, motivation, and teaching as well as professional responsibilities of personal trainers.

Allied Health – College Career Program

Medical Careers

3522

Honors

Prerequisite - Honors Biology or Biology L1/L2 and B or better
in Algebra I Open to Grade 11-12
Student letter of intention

1 Credit

3 MCC Credit Hours

Full Year

The Medical Careers class is offered as part of the MCC Health Careers Pathways Certificate program to help students achieve success in health career programs. Successful completion of all components of this class will allow the student to receive (3) college credits in HLT 103/Investigations in Health Careers from Manchester Community College. Students explore a wide variety of health-related professions while visiting medical facilities and complete a minimum of 12 hours of job shadowing. This program requires a service component which is fulfilled by co-sponsoring 2 blood drives with the American Red Cross. The overall curriculum and expectations are in alignment with MCC requirements and include topics in anatomy and physiology, legal responsibilities, medical terminology, safety, infection, control, and others related to preparation for professionals in health care. Students are required to take a national test that assesses job readiness in technical careers.

This course has limited enrollment due to clinical site visit regulations therefore student enrollment is competitive. Students must submit a letter of interest and a teacher recommendation. Students must be prepared to assume responsibility for make-up work in other classes due to required field work for Medical Careers class. Student contracts and health forms must be completed before enrollment in the class.

Anatomy and Physiology

3520

Honors

Prerequisite - Grade of B or better in Biology

Open to Grades 11-12

Completion of College Prep Chemistry is strongly recommended

1.25 RHAM credits

Or College Prep Chemistry is taken concurrently

4 MCC credits

Full Year

This course is offered cooperatively with Manchester Community College for the student who is considering a career in a medical field. Its form, content and rigor are comparable to those of the MCC Biology 115/Human Biology course, as described in the Manchester Community College bulletin. The course is open to juniors and seniors.

The year-long course focuses on the fundamental aspects of the structure (anatomy) and function (physiology) of the human body with application of the basic principles to the causes of disease and current treatments. There is a double-class laboratory period during which students will focus on specific aspects of a course topic. Dissections are included in the course and hands-on participation is required to receive credit for those lab activities. Written laboratory reports will be required. Visits to the science laboratory facilities of MCC will be included as schedules permit. College credit is awarded to students who maintain a minimum of a "C" average for the year through the College Career Pathways program through Manchester Community College. The overall curriculum and expectations are in alignment with MCC requirements.

Principles of Biomedical Science (Project Lead the Way)

8117

Level 1

Prerequisite – Completion of Bio H with a C or better,

Open to Grades 10-12

Bio L1 with a C+ or better or Bio L2 with a B or better

Full Year

1 Credit

Student can receive 3 hours of college credit

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

THE SOCIAL STUDIES DEPARTMENT

The Social Studies Department offers a program of studies which provides courses devoted to the study of human experiences in a historic, political, economic, social and geographic context. The courses offer students an opportunity to study United States History and society as well as the history and cultures of other peoples. **Three Social Studies credits are required for graduation from RHAM High School and must include United States History and Civics.**

Recommended Course of Study

Grade 9:	Global Studies – 1 Credit
Grade 10:	Western European History – 1 Credit
Grade 11:	United States History – 1 Credit or American Studies (1 Social Studies and 1 English Credit)
Grade 12:	Civics - .5 Credit

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

Connecticut Youth Forum	Model United Nations
Mock Trial Team	Student Council
Newspaper Club	Environmental Awareness Club
Gay Straight Alliance	LEO Club

Basic Social Studies I & II

9109 - I	
9113 - II	
Prerequisites - Planning & Placement Team Recommendation	Open to Grades 9-12
Full Year	1 Credit

Basic Social Studies will help students understand their role as United States citizens, understand the history of the United States, learn the geography of the country as well as many other nations in our world. It will focus on understanding the structure of our local, state and national governments, and on the rights and responsibilities they have as U.S. citizens, chronologically surveys American history starting with the Revolutionary War to the present, understanding the Continents and historical past of religions and peoples from surrounding countries. Students will consider how these structures and expectations impact their daily lives and influence individual decisions. A credit is earned for each Basic Social Studies I and Basic Social Studies II.

Global Studies – Level 2

1160

Prerequisite: None

Full Year

Level 2

Open to Grade 9

1 Credit

An understanding of global concerns and problems among the various countries in the world are the focus for this course. Students will explore the post-World War II historical past and present of regional areas around the globe (Middle East, Africa, China, South Asia and Latin America) taking into account the effects of history and politics, economics, and culture on the interrelationships among nations. Students will begin to explore the basics of the similarities and differences among the many cultures of the world, developing historical and modern connections that bind the world's peoples together. Essential skills required include the ability to be consistent with basic study habits and organization, reading and writing at or near grade level, active participation in class and the use of functional writing and grammar.

Global Studies – Level 1

1150

Prerequisites - None

Full Year

Level 1

Open to Grade 9

1 Credit

The new millennium brings with it an increasing awareness of global issues and the changing political, economic and cultural connections among all the world's countries. Students will explore the historical past and present of regional areas around the globe (Middle East, Africa, China, South Asia, and Latin America) to reach an informed perspective about contemporary conflicts. Emphasis will be placed on comparing similarities and differences among these regions and the influence of cause and effect on modern global problems and concerns. Essential skills required include the ability to be highly organized to meet strict deadlines, work independently as well as in cooperative learning situations, study historical material with attention to detail and a willingness to actively participate in class discussions and group activities. Reading and writing above grade level with the ability to focus on formulating theses and drawing conclusions as well as skills in analysis and problem solving are necessary to be successful in this course.

Global Studies, Honors

1140

Prerequisite: 8th Grade Teacher Recommendation

Full Year

Honors

Open to Grade 9

1 Credit

The course will explore in-depth the complex geographic, political, economic, and cultural conflicts that inform current events in the Middle East, Africa, Asia, and Latin America. Using a combination of classroom activities and self-directed technology-based assignments, students will explore the historical past and present of regional areas of the globe. Emphasis will be placed on developing Social Studies skills such as logical reasoning, supporting a position with specific evidence, analysis of multiple perspectives, historical research and reading for information. Students in this course are expected to be independent, diligent workers with strong, balanced academic and technological

skills. Students must have a high level of motivation and a strong commitment to learning as success in this course requires sustained focus, active participation in class activities and self-advocacy. This course will help prepare students for taking subsequent Advanced Placement courses.

Global Studies - Inquiry

1155

Prerequisite: Open to Grade 9 students from Inquiry Academy as well as new applicants with teacher recommendation

Honors

Grade 9

Full Year

1 Credit

Inquiry Global Studies offers current Inquiry Academy and newly interested students the opportunity to choose a Global Studies course that is designed to provide self-directed and self-motivated students with a more individualized learning environment. This approach allows students the opportunity to focus and explore their areas of interest in a classroom that emphasizes communication, collaboration, creativity and innovation through inquiry, research, and problem-based learning. Instructional activities will be designed to support students ability to explore the the historical past and present of regional areas around the globe (Middle East, Africa, China, South Asia, and Latin America) to reach an informed perspective about contemporary conflicts. Emphasis will be placed on comparing similarities and differences among these regions and the influence of cause and effect on modern global problems and concerns. **To be successful, students must have excellent organizational, time management and study skills, and be independent and highly motivated learners who are willing to grapple with complex issues.**

Western European History – Level 2

1240

Prerequisites - None

Full Year

Level 2

Open to Grades 10-11

1 Credit

This course concentrates on a chronological study of Western European history by focusing on the major events and significant individuals from the Renaissance through the formation of the European Union. The essential elements of historical geography, social, political, economic, scientific and artistic developments are explored as well as their impact on the world we live in today. Students will be involved in group and individual research to demonstrate how consequences of human action have altered the course of history. Essential skills required include the ability to be consistent with basic study habits and organization, reading and writing at or near grade level, active participation in class and use of functional writing and grammar.

Western European History – Level 1

1230

Prerequisites - None

Full Year

Level 1

Open to Grades 10-11

1 Credit

This course concentrates on a chronological and developmental study of Western European history by focusing on the major events and significant individuals of the Renaissance through the evolution of modern Europe concluding with the formation of the European Union. Students will examine the connections between geographic, social, political, economic, scientific and artistic achievements while focusing on how humankind has been shaped by, and have themselves shaped, the world around them. Essential skills required include the ability to be highly organized to meet strict deadlines, work independently as well as in cooperative learning situations, study historical material with attention to detail and actively participate in class discussions and group activities. Reading and writing above grade level with the ability to focus on formulating theses and drawing conclusions as well as skills in analysis and problem solving are necessary to be successful in this course.

AP European History

1235

Prerequisites: Grade of B or better in Global Studies Honors **or**
B+ or better in Global Studies Level 1 **and**
teacher recommendation

Full Year

Honors

Open to Grades 10-11

1 Credit

This course is based on a chronological and detailed history of Europe, beginning with the Renaissance (1450) and ending with contemporary times. It follows the curriculum as established by the College Board for its Advanced Placement Exam in European History to be taken in the spring semester. Work is focused on analysis of historical events from multiple perspectives through active research, primary source analysis, document based questions, position and reaction papers, free response essays, frequent quizzes and tests and active participation in class. All students must complete a formal research paper. Essential skills involve working with multiple causation; specificity of supportive evidence; analysis of causes and effects; the application of abstract concepts across units of study and the use of multiple perspectives. Students must be highly motivated, independent learners who demonstrate a commitment to excellence by a willingness to struggle through and master challenging content material to meet strict and fast paced deadlines. Students must possess above grade level critical reading, writing and analytical skills with the drive to meet the responsibility and demands of the college level work presented in this course. A summer reading and writing assignment is mandatory.

Please note: Students are required to earn one credit in United States History to meet graduation standards in accordance with Connecticut state law.

United States History – Level 2

1320

Prerequisites- None

Full Year

Level 2

Open to Grades 11-12

1 Credit

This course is a general survey of the major events and significant individuals who influenced and directed the course of the United States in the past. Units of study include the creation of the republic, territorial expansion, the Industrial Revolution, Civil War and Reconstruction, World Wars I and II, the Great Depression, the Cold War and contemporary America. Essential skills for the course include the ability to be consistent with basic study habits and organization, reading and writing at or near grade level, active participation in class and the use of functional writing and grammar. Students will also be expected to actively research with minimal assistance.

United States History – Level 1

1310

Prerequisites - None

Full Year

Level 1

Open to Grades 11-12

1 Credit

This course chronologically surveys American history from the administration of George Washington to the present. Thematic units cover the creation of the republic, territorial expansion, the Industrial Revolution, Civil War and Reconstruction, World Wars I and II, the Great Depression, the Cold War and contemporary America. The focus of this course is to have students understand the interrelationship between events of the past and the actions of today. Essential skills required include the ability to be highly organized to meet strict deadlines, work independently as well as in cooperative learning situations, study historical material with attention to detail and a willingness to actively participate in class discussions and group activities. Students must be committed to struggle through challenging academic material with an emphasis on formulating theses, drawing conclusions, thoughtful debate, active research and skills in analysis and synthesis of content material.

American Studies - Social Studies

1325/0765

Prerequisites – L1 English 10 and L1 Western European History
or teacher recommendation

Full Year

Level 1

Open to Grades 11

2.0 Credits (Fulfills

both US History and

English 11 credit

requirements)

Offered as a full year course, American Studies is designed to bridge students' understanding of American History in relation to its literature and culture. The course will chronologically survey America's history from the Revolutionary period to the present. Students will examine works in the context of social and cultural development, economics and politics. Ultimately, students will be able to understand that the American writer responds to and represents perspectives of the American past, further recognizing the parallels between American literature and history. Students will explore

various themes throughout the course with an emphasis on American identity, the importance of the American Dream, characteristics of leadership, struggles of state versus federal power, and ultimately *what makes the American Voice?* Students must be committed to work with challenging academic material with an emphasis on formulating theses, drawing conclusions, thoughtful debate, active research, and skills in analysis and synthesis of content material in order to create a lasting and memorable appreciation of America's past. **Note: Students must take both this course and #0765 American Studies - English which will fulfill both U.S. History and English 11 credit requirements, usually completed by students in their junior year.**

AP United States History

1300

Honors

Prerequisites - Grade of B or better in AP European

Open to Grades 11-12

History or B+ or better in Western European History Level 1

and teacher recommendation

Full Year

1 Credit

This course is designed to prepare students to take the Advanced Placement United States History exam following the curriculum established by the College Board. The course focuses on the use of prominent works in historiography, the analysis of primary source documents, document based questions [DBQs], independent reading, frequent quizzes and tests, an analysis of historically significant works of fiction, and a complete survey of American historical themes from colonization through the present. It is assumed that students have a working chronological knowledge of American history. The focus of the course is to connect that knowledge within the themes presented during the year. All students must complete a research paper that is due after the completion of the Advanced Placement exam. Essential skills involve working with multiple causation; specificity of supportive evidence; analysis of causes and effects; the application of abstract concepts across units of study and the use of multiple perspectives. Students must be highly motivated, independent learners who demonstrate a commitment to excellence by a willingness to struggle through and master challenging content material to meet strict and fast paced deadlines. Students must possess strong critical reading, writing and analytical skills with the drive to meet the responsibility and demands of the college level work presented in this course. A summer reading and writing assignment is mandatory.

Please note: Students are required to earn a 1/2 credit in Civics to meet Graduation Standards in accordance with Connecticut state law.

AP United States Government and Politics

1305

Honors

Prerequisites - Grade of A or better in U.S. History L2,

Open to Grade 12

C+ or better in U.S. History L1, or

successful completion of A.P. U.S. History

Semester

.5 Credit

Advanced Placement United States Government and Politics will provide students with an analytical perspective on government and politics in the United States. This course includes both the study of general concepts used to interpret the U.S. government and politics and the analysis of specific

examples. A familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics is recommended and students will evaluate a variety of theoretical perspectives and explanations for various behaviors and outcomes. Students must possess strong critical reading, writing and analytical skills with the drive to meet the responsibility and demands of the college level work presented in this course. As a means of understanding the need for an active role for citizens in a democracy, students are required to complete a three hour community service experience in order to earn credit for this course. **This course will satisfy the Civics graduation requirement.**

Civics

1525

Prerequisites - None
Semester

Level 1/2

Open to Grades 11-12
.5 Credit

Knowledge of the rights and responsibilities of citizens is essential to the maintenance of our democratic way of life. Civics is a course designed to develop and foster an understanding of the American system of government and how rule of law and the values of liberty and equality impact individual, local, state, national and international decisions. Students will study the foundations of democracy, the role and use of power and authority exercised by different groups over time, the workings of the three branches of government and political participation. As a means of understanding the need for an active role for citizens in a democracy, students are required to complete a three hour community service experience in order to earn credit for this course.

Online Civics

1522

Prerequisites: Grade of B or better in A.P. U.S. History or B+ or better
in U.S. History Level 1 and teacher recommendation
Spring semester only

Honors

Open to Grade 12
.5 Credit

Knowledge of the rights and responsibilities of citizens is essential to the maintenance of our democratic way of life. Civics is a course designed to develop and foster an understanding of the United States' system of government and how rule of law and the values of liberty and equality impact individual, local, state, national and international decisions. Students will interpret and analyze primary source documents including multiple news sources, actively research contemporary issues, and follow breaking news stories. Course instruction and interaction will take place online through e-mail and website communication with a required two-hour seminar held at school the second Thursday of each month from 2:15 to 4:15pm. As such, students must be prepared to commit the time necessary to independently read, research and communicate with their peers and the teacher. Students can expect to spend 10-15 hours per week on readings, assignments and posting comments in discussion forums. Since the majority of time spent in this course is online and in written format, students must be highly motivated learners and strong writers who understand that an online course requires a commitment to self-directed learning. Students must possess strong critical reading, writing and analytical skills with the drive to meet the responsibility and demands of the college level work presented in this course. As a means of understanding the need for an active role for citizens in a democracy, students are required to complete a three hour community service experience in order to earn credit for this course.

Electives

Please note: The following social studies courses are electives for those students who wish to pursue further study in this field. Courses are open to students who are willing to actively read, discuss, research and write.

The Price of Freedom: Americans at War

1441

Prerequisites: None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

The Price of Freedom: Americans at War examines the various military conflicts that the United States has engaged in from the colonial period until the present day. In addition to studying the military conflict, the course will examine the causes, course, and consequences of war. War! What is it good for? Take this class and find out!

20th Century Fascism, Nazism and Communism: Inside Political Extremism

1233

Prerequisites: None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

This course will provide an in depth review of the processes that led to the rise of Fascist and Communist regimes in 20th century Europe, Africa, Asia and Latin America. Students will explore the origins and implementation of policies of aggression and genocide and examine how dictators came to rise as well as the political, racial, eugenic, and geopolitical ideology they present through Fascist and Communist doctrines.

Child and Adolescent Psychology

1359

Prerequisites: None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Child and Adolescent Psychology is designed to provide students with knowledge of the reasons for behaviors and thought processes of children and teenagers. The study of the work of developmental and child psychologists will provide a baseline of knowledge for students in the areas of intellectual, social, moral and emotional development. Students will develop an understanding of human nature in order to recognize abnormal thought processes and behaviors. The application of child psychology to current issues will also be emphasized. Problems with brain development, genetic issues, and environmental factors will be explored to understand abnormal behavior. The course will extensively deal with mental, social, emotional and personality disorders associated with both childhood and the teenage years. Opportunities for field research with children will be explored.

Psychology

1351

Prerequisites - None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Psychology is a social science that attempts to describe, predict, understand and influence thoughts, actions, motives and feelings that help make up human life. This course provides an overview of psychological theories and their use in everyday situations. Course work focuses on the history of psychology and its research methods, the biological roots of behavior, sensation, perception, learning and conditioning, the cognitive process, consciousness and personality.

Abnormal Psychology

1360

Prerequisites: None

Semester

Level: 1/2

Open to Grades 11-12

.5 Credit

This introductory course on abnormal psychology will provide an examination of various psychological disorders as well as theoretical, clinical, and experimental perspectives of the study of psychopathology. Emphasis is on terminology, classification, etiology, assessment, and treatment of major disorders. Upon completion, students will be able to distinguish between normal and abnormal behavior patterns as well as demonstrate knowledge of etiology, symptoms, and therapeutic techniques. The course will explore research methodology, critical thinking, and analytic writing through case studies and will include independent research project on a specific disorder.

AP Psychology

1352

Prerequisites: Grade of B or better in previous AP social studies course
or C+ or better in previous social studies level 1 course
and teacher recommendation

Full Year

Honors

Open to Grades 11-12

1 Credit

This course is designed to provide students with a learning experience equivalent to that obtained in most college introductory psychology courses and to prepare the student to take the Advanced Placement Psychology exam following the curriculum established by the College Board. Students will be introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields of psychology. They also learn about the methods psychologists use in their science and practice. All students must complete an active research project that is due after the completion of the Advanced Placement exam. Students must be highly motivated, independent learners who demonstrate a commitment to excellence by a willingness to struggle through and master challenging content material to meet strict and fast paced deadlines. Students must possess strong critical reading, writing and analytical skills with the drive to meet the responsibility and demands of the college level work presented in this course.

Economics

1410

Prerequisites - None

Semester

Level 1

Open to Grades 11-12

.5 Credit

Among the many challenges of the 21st century will be America's redefinition of our economic resources, goals and operations. Finding ways to promote business growth, provide good jobs, respond to foreign trade questions, implement a fair tax system, and continue America's economic role in the world, will demand that all Americans be economically aware. The goal of this course is to give students the theoretical tools necessary to investigate the causes of our economic problems, ask the right questions, and be able to judge for themselves the implications of proposed solutions. Each student is required to complete an economic research assignment.

Introduction to Law

1430

Prerequisite - None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

In an increasingly complicated world governed by the rule of law, it is essential for citizens to understand the basic principles of civil, criminal and constitutional law. This course focuses on the major areas of law that have a direct impact on our daily lives. Topics include laws regarding individual rights, terrorism, crimes, lawsuits, consumers, and schools. Mock trials, case studies, readings and active research are used throughout the course.

Criminal Justice

1435

Prerequisite – None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

3 MCC Credit hours

This is an introductory course designed to familiarize students with the American criminal justice system. Students will develop an understanding of basic aspects of criminal justice by studying criminal law; the history and organization of the police and critical issues in policing such as the criminal court structure, trials and sentencing; and the history and organization of corrections and the prison system. This course emphasizes basic skills in note taking, reading for information and writing informational reports. It follows the curriculum of Manchester Community College's Criminal Justice 100 course which may allow students who earn a 75 or better to apply for three elective credits from Manchester Community College. **Please note that this course is designed to reinforce the basic academic skills necessary to meet the requirements of further course work in the criminal justice sequence at MCC.** Students will have the option to apply for college credit through the College Career Pathways program through Manchester Community College. The overall curriculum and expectations are in alignment with MCC requirements.

Sociology

1541

Prerequisites – None

Semester

Level 1/2

Open to Grades 11-12

.5 Credit

Sociology is a social science that studies human society and social behavior through the use of research and identifiable patterns of social and cultural organization. By studying and analyzing information on numerous social topics, sociologists have developed theories that explain social behavior and its effect on our communities. Using the “sociological perspective,” the course will investigate the past and present societal and behavioral patterns of the United States and western society as a base, with the intent of comparing societal and behavioral patterns found in past and present societies around the world.

THE SPECIAL EDUCATION DEPARTMENT

The RHAM Special Education Department develops, implements, reviews, maintains, and evaluates an Individualized Education Program for each student requiring special education and related services. Special education students are educated in the least restrictive environment, that is, with their non-disabled peers, to the greatest extent possible. A full continuum of programs and services is offered.

The RHAM Special Education Program offers student support services appropriate to each student's needs. A variety of services and special education courses are available. Selection of program courses is based on PPT decisions. (See note below.)

A collaborative service model provides additional support, modifications and accommodations for special education students who are enrolled in courses co-taught by special education and regular education faculty in the departments of English, Mathematics, Science, and Social Studies. In these same four core subjects, the Special Education Department offers courses with adjusted curriculums to develop basic skills along with subject area content and concepts. Study Skills classes are also offered by the Special Education Department to address needs in: processing, understanding, responding to and learning the general education curriculum.

The Special Education Department offers additional specialized programs, related services and courses outside of the mainstream to the extent needed to meet the individual academic, social, emotional, and/or physical needs of its students. These programs include:

Life Skills/Vocational Program: provides intensive services and individualized instruction in functional academics, with an emphasis on life and daily living skills, social/behavioral skills, and communication skills. Prevocational and vocational training are offered on-site and in the community.

STEP Academy (Striving Towards Educational Progress): provides a structured therapeutic classroom setting designed to address academic and/or behavioral needs with the goal of preparing students to participate successfully and more fully in regular education classes. Participation in courses require PPT placement.

Transition to Independent Living

9873

Prerequisites – Planning & Placement Team Recommendation
Semester

Open to Grades 9 – 12
.5 Credit

This course covers many topics of daily living including: budgeting, consumer awareness, current events, individualized health, and basic cooking skills. Long-term planning projects, adaptive living and social skills are also covered. An emphasis is placed on increasing independence as students prepare to transition from high school. Individualized goals and objectives for daily living are also addressed.

Study Skills I & II

9820 / Semester I

9830 / Semester II

Prerequisites – Planning & Placement Team Recommendation

Open to Grades 9-12

Credit by Recommendation

The goal of this program is to assist students in developing and applying strategies in order to succeed in general education courses along with offering academic support. The emphasis of this course is on developing organization and study skills. Units on writing and spelling, organization, note taking, research, study skills, and reading in the content areas will be covered.

Additionally, the Special Education Department provides related services, as needed, to support students in their efforts to achieve the goals/objectives listed in their IEPs. Related services include Psychological/Educational counseling, assessment, consultation, and supervision. Other related services include Speech and Language services, Physical Therapy, Occupational Therapy, Nursing Services, Assistive Technology and special transportation.

Note: The Planning and Placement Team (PPT), which consists of the student, parents, teachers, and other school personnel, cooperatively plans an Individualized Education Program (I.E.P.) for all special education students. The IEP is a written document citing the goals/objectives, content, implementation, and evaluation of a student's educational program. The Planning and Placement Team, the Guidance Department, the student and parent collaborate in the selection of courses that are consistent with the I.E.P.

Personal/Social Skills I & II

9750 I

9751 II

Prerequisites - Planning & Placement Team Recommendation
or special arrangement

Open to Grades 9-12

1 Credit

Full Year

The goal of these courses is to broaden student understanding of personal emotions and social relationships through a rational approach to problems common in the adjustment of young people today. Classroom instruction, discussion, and the utilization of community resources stress the achievement of self-awareness, self-confidence, socially responsible behavior, independence, interpersonal communication, and social problem solving skills. These courses count as electives or as a social studies credit per PPT decision.

School to Career English

9140

Prerequisites - Planning & Placement Team Recommendation

Open to Grade 12

Credit by Recommendation

The goal of this class is to assist students in developing and applying essential reading and writing strategies in order to be successful in their postsecondary experiences. The emphasis of this course is on developing reading and writing skills that are essential in the workplace or postsecondary school. Areas that will be covered include: reading for understanding, critical writing, persuasive writing, employment/college applications, resume writing, and the process of interviewing.

Career Orientation

9610

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course focuses on the exploration of occupational possibilities and choices. The student will develop an understanding of how personal and societal values can be met through work. A “cluster” approach is used to investigate both general and local employment opportunities. Students examine their own occupational interests, attitudes, and abilities through an approach that combines textbook/workbook, guest speakers, field trips, and A-V presentations. Career Orientation should be taken prior to a work experience. This course counts as a graduation distribution credit in the areas of social studies or as an elective credit per PPT decision.

Work Experience

9630

Prerequisites - Planning & Placement Team Recommendation
Full Year

Open to Grades 9-12
1 Credit

This course will provide students with supervised in-school and/or out of school work experiences. The major goal of this course is to encourage the student to develop good work habits and behaviors in the workplace. Through placement, evaluation and adjustment activities, the work readiness skills of following directions, working with others, working at a satisfactory rate, accepting supervision, punctuality, and safe work practices are developed. This course counts as graduation distribution credit in the area of Social Studies or as an elective credit per PPT decision.

THE WORLD LANGUAGE DEPARTMENT

The World Language Department offers three modern languages: French, Spanish, and Italian and one classical language: Latin. Knowledge of a world language is the key to understanding and appreciating the peoples of the world by finding in their differences a common humanity. In-depth knowledge of a world language equips the individual with the attitude and communicative skills necessary to function more positively and effectively in life and in society.

The modern languages stress proficiency in comprehension, speaking, reading, and writing, and an appreciation of the cultural context of the languages. In Latin the emphasis is on grammar, translation, and an appreciation of classical literature and culture. Students are encouraged to study at least three years of a language.

COMPLEMENTARY CO-CURRICULAR ACTIVITIES

	Cultural Awareness Club	
French Club	Latin Club	Spanish Club

French I

4110

Prerequisites - None

Full Year

Level 1

Open to Grades 9-12

1 Credit

This course introduces students to the language and culture of francophone regions of the world. Students will learn the basic sound system, build a vocabulary base and establish a grammatical context in which to express themselves. Authentic communicative activities will facilitate the acquisition of the language skills of listening, speaking, reading, and writing. Throughout the course students will become aware of current world events, and will begin to develop an understanding of cultural diversity. Some of the thematic units will be: School subjects and schedule, family, food, sports, leisure activities, and clothing.

French II

4130

Prerequisite – Grade of C- or better in French I

Full Year

Level 1

Open to Grades 9-12

1 Credit

Students will continue to develop their listening comprehension and oral performance with frequent opportunities for reading and writing in French. Students will continue to engage in a variety of communicative activities to expand, strengthen, and build on the grammar and vocabulary already introduced. The course includes vocabulary exercises, skits, conversations, and structure practices. Some of the thematic units will be: market, daily routine, travel, clothing, home, health, and sports. The course will also enable students to discover and discuss specific regions in France while they will continue to gain a deeper understanding of several countries of the francophone world.

French II, Honors

4131

Prerequisite – Grade of B+ or better in French I

Full Year

Honors

Open to Grades 9-12

1 Credit

In addition to the regular French II curriculum, French II Honors is a more rigorous study requiring additional reading selections and more intensive oral, aural, and written practice.

French III Intermediate

4150

Prerequisites – Grade of C- or better in French II

Full Year

Level 1/2

Open to Grades 10-12

1 Credit

This course is designed for students wishing to practice and strengthen the language skills gained in French I and French II before continuing on to French III Honors and beyond. There is an emphasis on independent written/oral projects to create opportunities for students to utilize and practice their acquired skills in simulated authentic situations. Students will continue to develop their listening and speaking skills while they enhance their reading and writing skills. New grammatical structures will be limited while there will be an emphasis on strengthening the oral/ written communicative skills through the use of old and new vocabulary. Some topics for conversation and role-playing will be: leisure time activities, cinema, health, daily routine, fashion, and sports. Students who wish to continue their language study after this course may go on to French III Honors, provided they earn a B- or better.

French III Honors

4211

Prerequisites – Grade of B+ or better in French II

Grade of B or better in French II Honors

Grade of B or better in French III Intermediate

Teacher Recommendation;

Full Year

Honors

Open to Grades 10-12

1 Credit

The French III Honors class is designed for highly motivated students who wish to pursue a challenging, yet highly enriching study of the French language and the cultures of the francophone world. This course will include a thorough review and extension of essential French grammar and style that will be complemented by thematic vocabulary. Some topics of conversation and role-playing will include travel, household chores, roadside repairs, directions, professions, current events, art and cuisine. Cultural units include, but are not limited to, the European Union, French Impressionism, and the geography and culture of the francophone world, with particular emphasis on Europe, Africa and Quebec. Students will be expected to challenge themselves in their writing, listening, speaking and reading skills on a daily basis. Outside readings will be required.

French IV- UCONN ECC (FREN 3267)/AP French (French V) - UCONN ECE (FREN 3267)

4230	French IV - UCONN ECC (FREN 3267)	Honors
4250	AP French (French V)- UCONN ECC (FREN 3268)	
Prerequisites – Grade of B- or better in French III H or French IV or Teacher Recommendation		Open to Grades 11-12 1 Credit RHAM
Full Year		

This course is conducted in French and is designed for those students with a serious interest in the French language, history, literature and culture. There will be a thorough review of French grammar and style with a particular emphasis on perfecting written and oral expression. In alternating years, this course will either emphasize the study of French and Francophone culture and politics or French history through fiction, non-fiction, journalism and film. Students will be expected to read and analyze authentic prose and poetry and will develop an appreciation of the various genres through intensive literary analysis. Film, as a voice of cultural, artistic and political expression, will also be viewed and analyzed in class. Emphasis will be placed on perfecting both oral and written expression through discussion, presentations, and composition on assigned topics.

Spanish I

4310		Level 1
Prerequisites - None		Open to Grades 9-12
Full Year		1 Credit

This course introduces students to the language and culture of Spanish speaking regions of the world. Students will learn the basic sound system, build a vocabulary base and establish a grammatical context in which to express themselves. Authentic communicative activities will facilitate the acquisition of the language skills of listening, speaking, reading, and writing. Throughout the course students will become aware of current world events, and will begin to develop an understanding of cultural diversity. Some of the thematic units will be: School subjects and schedule, family, food, sports, leisure activities, and clothing.

Spanish II

4330		Level 1
Prerequisites – Grade of C- or better in Spanish I		Open to Grades 9-12
Full Year		1 Credit

In Spanish II students will continue to engage in a variety of paired and group communicative activities. These oral/aural exercises will focus on the students' ability to both send messages and comprehend the feedback they receive from both the teacher and their peers. Some of the thematic units will be: daily routine, food, restaurants, health, home, community and movies. The students will expand their understanding of the basic aspects of the structure of the language through communicative activities, observations, and analysis. In addition, through the study of the attitudes, values and beliefs that frame the cultural practices or behaviors of the Spanish-speaking world, students will gain a deeper understanding of why they think, live, and behave as they do. Internet, videos, and online textbook accompany the course.

Spanish II, Honors

4350

Prerequisites – Grade of B+ or better in Spanish I

Teacher recommendation

Full Year

Honors

Open to Grades 9-12

1 Credit

In addition to the regular Spanish II curriculum, Spanish II Honors is a more rigorous study requiring additional reading selections and more intensive oral, aural, and written practice.

Spanish III L2

4370

Prerequisites – Grade of C- or better in Spanish II

Full Year

Level 2

Open to Grades 10-12

1 Credit

This course is designed for the student wishing to practice the language skills gained in Spanish I and II through the use of old and new vocabulary. This vocabulary building will occur around the following situations: school life, the home, recreation, mealtime, sports, traveling, shopping, the automobile, and health. New grammatical structures will be limited. Conversation is stressed as well as written activities involving the situations mentioned above. The course will also enable the student to understand and appreciate Hispanic culture and society both in the United States and around the world. Students who wish to continue their language study after this course may go on to Spanish III, Level 1, provided they earned a B- or better.

Spanish III L1

4390

Prerequisites – Grade of B- or better in Spanish II

or teacher recommendation

Full Year

Level 1

Open to Grades 10-12

1 Credit

Spanish III students will advance their proficiency in reading, writing, speaking and listening. Thematic units include personal relationships and identity, sports and pastimes, daily chores and routines, health and well-being, travel, immigration and nature. Students will further their knowledge of verb tenses in the indicative and subjunctive moods. Students will also use the imperative mood and advanced grammatical structures. Students will be required to complete projects that are related to the above mentioned topics. Various readings, video clips and films will be used to increase the students' exposure to the Hispanic culture. Essential skills for this course include circumlocution, auto-correction, using contextual clues and proper use of online resources and technology. Instructional strategies are based upon and informed by the five Cs (Communication, Cultures, Connections, Comparisons, Communities) established by the American Council on the Teaching of Foreign Language.

Spanish III, Honors

4391

Honors

Prerequisites – Grade of B+ or better in Spanish II; Teacher Recommendation;

Grade of B or better in Spanish II Honors

Open to Grades 10-12

Full Year

1 Credit

In addition to the regular Spanish III curriculum, Spanish III Honors will include additional units of textbook material, literature and cultural units, and a fine-tuning of grammar.

Spanish IV

4411

Level 1

Prerequisites – Grade of B- or better in Spanish III
and teacher recommendation

Open to Grades 11-12

Grade of C+ or better in Spanish III Honors

1 Credit

Full Year

Spanish IV continues the development of listening, speaking, reading, and writing skills. Thematic units will include identity and self-perception, rural and urban life, art, television, Mayan civilization, communication technology, community service, myths and legends, the workforce, and multiculturalism. Students will engage in communicative tasks that will enable them to understand more complex language structures. In addition, through the continued study of various aspects of Hispanic cultures, students will reflect upon their own cultural perspectives. Tapes and videos accompany the course.

Spanish IV, Honors

4410

Honors

Prerequisites – Grade of B+ or better in Spanish III
and teacher recommendation

Open to Grades 11-12

Grade of B or better in Spanish III Honors

1 Credit

Full Year

In addition to the regular Spanish IV curriculum, Spanish IV Honors will include additional units of textbook material, literature and cultural units, and a fine-tuning of grammar.

AP Spanish V - UCONN Spanish

4430 Spanish V (UCONN 3178/3179)

Honors

Prerequisites – Grade of B- or better in Spanish IV Honors
or teacher recommendation

Open to Grades 11-12

1 Credit RHAM

Full Year

6 Hours UCONN

This course is conducted in Spanish and is designed for those students with a serious interest in the Spanish language, literature and culture. A high degree of reading and speaking fluency is desirable. The course will provide a thorough review of grammar and methodical practice in composition leading to command of practical idioms and vocabulary. Furthermore, there will be in-depth development of speaking skills through cultural readings, group discussions and oral presentations

on selected topics concerning the Spanish-speaking world. Authors studied might include: Cervantes, Unamuno, Becquer, Garcia Lorca, Quiroga, Borges, Cortazar, Garcia Marquez, Matute, Allende and Rulfo. Students will also study various historical periods in both Spain and the Spanish speaking Americas. The class is conducted in Spanish, and tapes and movies accompany the course.

Students must take this course for the whole year in order to receive credit. Students in Spanish V who receive at least a C and have registered with the ECE program will receive 6 credits from UCONN for UCONN 3178/3179. Students will be prepared to take the Spanish AP language exam in the spring.

Latin I

4450

Prerequisites - Proficiency in English

Full Year

Level 1

Open to Grades 9-12

1 Credit

Latin I is an introduction to the world of the ancient Romans through the reading of Latin stories starting with a family in Pompeii and then moving to other parts of the Roman Empire. Students will read and translate Latin stories, master the essential grammar points, declensions, and conjugations, memorize basic Latin vocabulary, and translate simple English sentences into Latin. The student will also acquire a basic knowledge of the customs, daily activities, education, recreation, government and religions of the ancient Romans. Also included in the course will be the study of English derivatives from Latin and a comparison of Latin and English grammar.

Latin II

4510

Prerequisites – Grade of C- or better in Latin I

Full Year

Level 1

Open to Grades 9-12

1 Credit

Latin II closely follows Latin I both by continuing the storyline begun in that course and by strengthening and building on the grammar and vocabulary. Students will expand their knowledge of Latin and ability to translate the language through continued readings with more complex grammatical constructions. Students will also gain a greater understanding of the Roman politics, provincial government and other related topics. The study of English derivatives from Latin and comparison of Latin and English grammar will continue to be stressed.

Latin II Honors

4515

Prerequisites - “B-” in Latin I

Full Year

Honors

Open to Grades 9-12

1 Credit

Latin II Honors, in addition to the Level 1 Latin II curriculum, is a more rigorous study of the material and moves further in the textbook. The goal of the course is to better prepare the student for translating Latin authors in the third year.

Latin III

4530

Prerequisites - "C-" in Latin II

Full Year

Level 1

Open to Grades 10-12

1 Credit

Latin III continues the focus of Latin II by reviewing the grammar introduced in that course and by introducing more advanced grammatical aspects. The readings conclude the story developed in Latin II with emphasis on the city of Rome and the role of the Roman Emperor. The course also includes aspects of the Roman world, such as the Roman legion and duties of legionary soldiers

Latin III Honors

4535

Prerequisites - "B" in Latin II Honors or "B+" in Latin II

Full Year

Honors

Open to Grades 10-12

1 Credit

Latin III Honors will complete, by the end the third quarter, the Cambridge Latin Course and all remaining grammatical elements. In the last quarter of the year, authentic Latin will be introduced through translating selections from either Caesar or Ovid.

UCONN Latin IV/V

4550 Latin IV UCONN ECE (CAMS 3102)

4570 AP Latin V UCONN ECE (CAMS 3102)

Prerequisites - "B-" in Latin III Honors or IV
or "B+" in Latin III, Level 1
or Teacher Recommendation

Full Year

Honors

Honors

Open to Grades 11-12

1 Credit RHAM

3 hours UCONN

Julius Caesar: Caesar's Gallic Wars

This course entails reading Latin texts in the original, specifically Caesar's commentaries on the Gallic Wars. There is also a focus on the nature of Roman government and various figures from Roman history. The course includes analysis and discussion of Caesar's commentaries.

Students must take this course for the whole year in order to receive credit. Students in Latin IV or V who receive at least a C will receive UCONN credit.

NOTE: To be eligible to receive UCONN credit a student: must be in his/her junior or senior year; must have achieved a B- or better in 3rd or 4th year language; and have no break in language sequence.

THE SHOWCASE PORTFOLIO

All seniors are required to submit a Showcase Portfolio to graduate from RHAM High School. Developed in alignment with the school's mission statement, the Showcase Portfolio is a purposeful, systematic and organized compilation of student work completed in all subject areas and in co-curricular activities over the four years in high school. This exciting new curriculum provides students with the opportunity to demonstrate their proficiency in the basic skills areas. In addition, students are provided with the opportunity to show their unique talents, skills and areas of interest. Finally, students are provided with regular opportunities to reflect upon their growth and to establish individual academic goals, which will foster more positive learning experiences.

This curriculum has been developed as both a product and a process. Beginning with their freshman year, students are made aware of the digital portfolio process and are required to retain designated class work in centralized writing folders. They begin to actively plan and construct their portfolios at the beginning of their senior year. Senior advisors provide students with assistance and encouragement during the process. Seniors submit their completed portfolios during the second semester for evaluation by an interdepartmental faculty committee. After receiving feedback, students are then provided with opportunities to showcase their portfolios.

SPECIAL PROGRAMS

Academic Lab

Semester 1: 9561

Semester 2: 9563

Prerequisite: Student Contract

Open to Grades 9-12

No Credit

Students who are in need of support and remediation in basic skills or in organization and study skills may contract for lab services. Services include direct support with assignments, remediation, and collaboration with classroom teachers. Priority is given to students whose standardized test scores indicate a need for remediation. Students must develop a contract identifying goals for participation and must maintain records documenting efforts to achieve their goals. **Students who do not follow through with their contract are first warned and then removed from academic lab.**

Independent Study

9533/9530

Prerequisite - Committee Approval

Semester or Full Year*

Unleveled

Open to Grades 10-12

.5 or 1 by Arrangement

Juniors and seniors may choose to pursue an independent study project in an area of interest outside the scope of the regular curriculum. A student must propose a project, identify an adviser, and file an application for approval by the Independent Study Committee. Credit is dependent on the successful completion of the work as stated in the proposal. A project cannot replace a regularly scheduled, required course. Seniors must complete a semester of Independent Study in the fall in order for it to count as an elective course credit for graduation. If a senior elects to pursue an Independent Study in the spring semester, the credit must be in addition to their 24 credits required for graduation. Detailed information on eligibility and application procedures is available in the Guidance Department.

University of Connecticut Early College Experience

UConn Early College Experience (ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head-start on a college degree.

UConn ECE instructors are high school teachers certified as adjunct professors by the University. UConn ECE faculty foster independent learning, creativity and critical thinking – all important for success in college. RHAM High School offers UConn ECE courses in Environmental Science, Physics 1, Physics C, French IV, French V, Spanish V, Latin IV, and Latin V. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE students.

UConn ECE students must successfully complete the course with a grade of C or above in order to receive University credit. UConn credits are transferable to many colleges and universities.

Students are charged \$90 for a two credit course, \$125 for a three credit course, and \$160 for a four credit course. per credit processing fee. For additional program information visit: www.ece.uconn.edu.

Work-Based Learning

9580

Prerequisite - Approval from Application Evaluators

Semester

P/F

Unleveled

Open to Grades 11-12

.5 Credit by Arrangement

The Work-Based Learning Program awards eligible working students credit. Students must work a minimum of 100 hours during the semester, must be at least 16 years of age before the first day of the program, must maintain a C average with no class failures or incompletes, must be within school attendance guidelines, have no major discipline problems on file, and must be able to provide their own transportation. The Work-Based Learning Program will constitute a half year of study and will receive one-half credit. To receive credit for the Program, the student must complete the work as stated in the syllabus; no partial credit will be given. The Work-Based Learning Program is unleveled, and the grade is not included in determining a student's GPA. In addition, the program does not replace any regularly scheduled required course. If a senior elects to take a half-year Work-Based Learning Program during the spring semester, the credit must be in addition to their 24 credits required for graduation. Detailed information on eligibility and application procedures is available in the Guidance Department.

Classroom Assistant

9930

Requires Permission from Classroom Teacher and School Counselor

Semester

Unleveled

Grade 12

No Credit

This opportunity is for students who are interested in the field of teaching or in simply utilizing their skills in a specific academic area. A Classroom Assistant attends one class daily with his/her "mentor teacher" to observe, support, and interact with the underclassmen. Classroom assistants perform a variety of duties under the direct supervision of the classroom teacher. Duties may include tutoring and helping with administrative tasks depending on the needs of the students. Confidentiality and discretion are required. It is entirely at the teacher's discretion whether they have a Classroom Assistant as not every class lends itself to the program. Interested students must first talk with the teacher with whom they are interested in working and then meet with their counselor to complete an application.

OTHER SCHOOLING OPTIONS

International Baccalaureate Program

The Greater Hartford International Baccalaureate Magnet School is located on the campus of East Hartford High School. It offers a rigorous course of study, leading to examinations that meet the needs of highly motivated high school students. Students who pass the examinations at the end of their senior year are awarded an International Baccalaureate (IB) Diploma. Students who choose not to take the exams or do not pass them earn a diploma from the IB Academy

The highly structured four-year program of study emphasizes history and the study of other languages and cultures. Regular community service is an integral part of the program. Seniors are expected to write a research paper of no more than 4000 words. Offerings in elective areas are limited. Students may not participate in East Hartford athletics.

The program is open to as many as five incoming freshmen.

Vocational-Agriculture Program

Students are eligible to apply for either vocational-agriculture program at Lyman Memorial High School which includes a vocational-agricultural department known as the Lebanon Regional Agricultural Science and Technology Center or the Glastonbury Agriscience and Technology Center which operates under Glastonbury High School. Both programs require an application and require a combination of classroom activities and field, lab, and shop work. The four general areas of study for both programs are: Natural Resources, Plant Science, Agricultural Mechanics, and Animal Science. Applications are available in the RHAM Middle School Guidance Department for all interested students. Upon receipt of this interest form, a member of the vocation-agricultural staff at Lebanon will call or visit the student to explain the program fully.

Vocational-Technical Program

Students are eligible to apply for admission to the Windham Regional Vocational-Technical School in Willimantic. The purpose of the program is two-fold. While the primary objective of the school is to train students to become tradespersons, students also receive instruction in academic subjects, both general and trade related in their content. On completion of the high school program, students receive a regular high school diploma issued by the Connecticut State Board of Education. Students who wish to be considered for admission must file an application on forms provided by the school and available in the RHAM Middle School Guidance Department. The trade programs which include theory and practical application are: Architectural Drafting, Automotive Mechanics, Carpentry, Electricity, Electronics, Machine Drafting, Machine Tool, Culinary Arts, Environmental Systems, and Electromechanical.

The Greater Hartford Academy of the Arts

The Greater Hartford Academy of the Arts offers basic and advanced study in seven arts areas – music, theatre, dance, visual arts, film and television, theatre production and design, and creative writing. The educational goals of the program are to develop talent in high school students, thereby developing their self-confidence and self-esteem; to enhance understanding of and appreciation for cultural diversity; to foster flexible ways of thinking; to engage the imagination; and to expose students to performances by professional artists. Students attend classes at RHAM High School in the morning and take classes at the Academy until 4:00 PM. Freshmen taking all their required courses plus a World Language at RHAM and attending the Academy have an intense workload. Once the application process is complete and the child has been accepted, they should think carefully before making a decision to enroll.

Students must audition to be accepted into the Academy.

The Greater Hartford Academy of Math & Science

The Greater Hartford Academy of Math and Science offers a rigorous and challenging curriculum designed for students with a strong interest and desire to excel in math and science. All classes taught there are the equivalent of Honors level classes at RHAM; junior/senior classes would be as rigorous as AP classes at RHAM. Students spend a half day at the Academy, taking two science classes and one math class. They take the remainder of their classes at RHAM.

Arts at the Capitol Theater (ACT)

ACT is an arts magnet program which offers courses in performance, theater production, movement, creative writing, video production, and theater history. This program differs from the Academy of the Arts in that it does not have music and has extensive facilities for theater production.

The following options are available to all RHAM students and are offered on the RHAM campus to supplement the RHAM curriculum

The College Career Pathways Program

The College Career Pathways Program is a partnership between RHAM High School and Manchester Community College (MCC), as well as RHAM High School and Capital Community College (Personal Finance only). The program allows students to earn dual credit (high school and college credit). The purpose of the program is to provide students with a strong academic background as well as hands-on technical skills that connect their studies to future careers. Courses currently available in the program with Manchester Community College are: Anatomy & Physiology, Medical Careers, Early Childhood Education II, Algebra II, Part B and Trig, Financial Accounting, Food Service Management, Criminal Justice, MCC English 101: Composition, Broadcast Journalism, Personal Finance, and Communications, and Introduction to Video Production. Courses listed as a L1/2 course are awarded level one GPA points. (Specific requirements may apply to particular courses.)

Online and Off Campus Opportunities

RHAM offers a number of opportunities for students to earn credits outside of their regular school day:

*WHIP Program: Eastern Connecticut State University offers students the option of earning up to six college credits each semester of their junior and senior years. Participants must be recommended by high school instructors, guidance counselors, or principals. Participants must be in the top 30% of their class. Only students with Junior and Senior status may participate. Students must complete a WHIP registration form and have it signed by their guidance counselor and the Academic Advisement Center. Students must complete the School of Continuing Education Registration Form and the WHIP Registration Form (signed and completed) to the Registrar's Office in Woods Support Services Center at ECSU. WHIP participants may not register until all new ECSU freshman and transfer students have registered. A maximum of 6 credits may be taken through the WHIP program in any one semester (including summer). Students may NOT participate in the summer following their high school graduation. These courses are free of charge.

*HSPP: Manchester Community College High School Partnership Program: Eligible juniors and seniors are able to take college courses at Manchester Community College through the High School Partnership Program. These courses are completed while students are still in high school and are completed on the college campus. Students must be in the junior or senior year of high school and have a "B" average or higher. The HSPP Program does not cover the cost of summer or winter inter-session courses. Students can take classes to broaden their education, to earn college credits, to explore career options or to build their skills. Student's final grades will become a permanent part of their academic history at MCC. Students must take an Assessment Test to ensure that they have adequate preparation for college-level courses. Students who have an English critical reading or writing score of 450 or higher and/or math SAT score of 500 or higher may receive an exemption from taking either or both parts of the test. These courses are free of charge.

*Goodwin College Early College Experience: Goodwin College offers students the option of earning college credits in their senior year if they meet the requirements. The courses are offered free of charge.

- Eligible seniors have an opportunity to take tuition free courses at Goodwin College outside the high school schedule and receive college credit for college level courses.
- Students may take courses that are not available to them at the high school.
- Students may take one course per semester and earn a maximum of 6 credits while in high school.
- Students must have a B average and be recommended by their Guidance Counselor.
- Students must provide transportation and pay for their own books and supplies.
- Students must take the Accuplacer Placement Evaluation and place into English 101; to take a math course they must place into college-level Algebra.

*Wesleyan University: Wesleyan University offers students the option of earning college credits in their junior or senior year if they meet the requirements. The courses are offered free of charge.

- Students must be in their junior or senior year of high school.

- Students can take classes to broaden their education, to earn college credits, to explore career options or to build their skills.
- Credit earned will be included in the student's GPA and will be listed on their transcript.
- Students must apply by December 1st.

NOTE: Physical Education and Health Education Graduation Requirement

Please note: All students who receive a RHAM High School diploma are required to take and earn 1.0 credit in Physical Education and .5 credit in Health Education. Students who attend magnet programs must either take the courses here at RHAM, (if they are not offered at the magnet school), or complete a distance learning program through the Virtual High School program (free registration through RHAM). These courses become part of the students' permanent record and are recorded with a grade and level 2 distinction.

Distance Learning

* Distance Learning: With permission from their high school counselor, students at RHAM may take up to two credits through the University of Missouri High School Online program, Blueprint Education Online or Keystone Independent Study Courses (the latter for credit recovery only). Each course is either .5 or 1.0 credit. Fees vary by course and program. All programs are fully accredited and offer a wide range of course offerings.

Please note: Students may take up to 2.0 credits through the University of Missouri High School Online program, Blueprint Education Online and/or Keystone Independent Study courses to fulfill two of the required seven elective credits. Students taking courses for credit recovery are not limited to two credits. Students should see their high school counselor for more information, including a permission slip.

*VHS: **Virtual High School** is a well-established, interactive, national distance learning program utilized in many schools around the world with tremendous success.

If your child needs to fit an extra class into an already full schedule, is interested in a course which is not available locally, or simply enjoys using technology and wants the challenge and flexibility of a high-quality online class, a Virtual High School course may be the right fit. Virtual High School students have the opportunity to select from a full catalog of semester-length and full-year courses including core, elective, advanced placement (AP) and Pre-AP courses. VHS believes in student-centered classes, which encourage collaboration among students. Therefore, VHS classes are scheduled asynchronously. This means that although the student has the flexibility to access his or her class anytime 24 hours a day, 7 days a week, there are defined due dates and scheduled deadlines for assignments and activities. This enables students and teachers from multiple time zones and various school schedules to participate fully in the same course, and it allows every student the ability to contribute equally to discussions. Interested students should speak with their school counselor. Space in VHS courses is limited.

Students may utilize VHS courses to fulfill elective course requirements. Virtual High School courses may be used to fulfill core course requirements in the event that a scheduling conflict cannot be resolved and with permission of the RHAM High School Counseling Coordinator.

Complete information about VHS can be found at <http://thevhscollaborative.org/>

* Online Classes: The following online courses are offered by RHAM teachers:

CIVICS - ONLINE

PERSONAL FINANCE - ONLINE

EDUCATIONAL PROGRAM PLANNING GUIDE

GRADE 9

English 9

Global Studies

Math: _____

General Science

PE 9

Credits: _____

GRADE 10

English 10

Western European History

Math: _____

Biology

Health/ PE

Credits: _____

GRADE 11 _____ my career cluster

English 11

U. S. History

Math: _____

Science: _____

Credits: _____

GRADE 12 _____ my career cluster

English: _____

Civics: _____

Credits: _____

Total Credits Earned: _____