

**Harvard High School
2019-2020
Curriculum Guide**



INDEX

General Topics	Page
Welcome Letter	3
Graduation Requirements	4
Post-Secondary Planning	5
Registration Information	6-10
Art Department	11-14
Bilingual/ESL Program	15-16
Business Education	17-20
Careers	21-23
Driver Education	23
English	24-29
Family and Consumer Science	30-31
World Language	32-34
Harvard Academy	34
Health	34
High School Plus (MCC)	34-43
Career and Technical Education	44-48
Mathematics	49-53
Music	54-58
Physical Education	59-60
Science/Agriculture	60-67
Social Studies	68-72
Independent Study	73
Extra-Curricular Activities	74-75
Athletics	76

Welcome to Harvard High School

Dear Harvard High School Parents and Students:

As you begin the process of course selection for the new school year we would like to take the opportunity to welcome you to a new school year and to reinforce Harvard High School's commitment to know value and inspire all students.

Selecting the right courses is very important to the academic growth and development of your student while at Harvard High School. Our course guide provides essential information about our school's curriculum and academic procedures so that you can pick the most suitable courses for the upcoming school year.

Our staff is looking forward to working with you and your student to select the best possible academic and extracurricular programs. Please take some time with your student to carefully review this course guide and as you register, keep the following guidelines in mind:



Sign up for the required classes for your grade

Choose elective classes in your interests

Think about your future career and pick classes that are related

Check college admission requirements and include those in your selection

Do not hesitate to contact our staff for assistance and information during the course selection process. We are here to help all of our students be successful.

Sincerely,
Harvard High School Counseling Department

Please be aware that courses listed in this curriculum guide may not be available based on low enrollment and/or decrease in district funding.

GRADUATION REQUIREMENTS

26 Credits required for graduation – Including the following:

4 years English

- 1.0 English I
- 1.0 English II
- 1.0 English III
- 1.0 credit in English elective

3 years of Math

- 1.0 Integrated Math I, Algebra I or equivalent
- 1.0 Integrated Math II, Geometry or equivalent
- 1.0 Integrated Math III or equivalent

3 Science

- 1.0 ESPS or equivalent
- 1.0 Chemistry I or equivalent
- 1.0 Biology I or equivalent

2 years Social Studies

- 1.0 United States History
- 0.5 Civics/United States History **Class of 2021 and beyond name change to CIVICS**
- 0.5 Elective

0.5 Health

1.0 Strategies for Success

0.5 Business Department Elective

0.5 Consumer Economics

This requirement may be met in one of the following ways:

1. Passing the semester course in Consumer Economics
2. Passing 1.0 Credit Interrelated Occupations

.50 Driver Education at HHS or a private driving school

P.E. TAKEN EVERY SEMESTER A STUDENT IS ENROLLED AT HARVARD HIGH SCHOOL.

POST SECONDARY PLANNING

Post-Secondary Planning			
Notes:	<i>Courses are guidelines only –contact institution directly regarding actual admission requirements.</i>		
	Courses	Planning	Testing
9th Grade	English I/ English I Honors Algebra I/Honors Geometry Social Studies Lab Science Foreign Language/ Music or Art	Complete 4 Year and Beyond Plan Research possible career interests on Career Cruising.com 16 Career Clusters aligned to Harvard High School	Fall PSAT 8/9 Spring- PSAT 8/9
10 th Grade	English II/ English II Honors Geometry/Honors Geometry Social Studies Lab Science Foreign Language/ Music or Art	Revise 4 year plan as needed Research possible career interests on Career Cruising.com 16 Career Clusters aligned to Harvard High School	Fall – PSAT NMSQT Spring – PSAT 10 NMSQT
11 th Grade	English III/ English III Honors Algebra II/Honors Algebra II Social Studies Lab Science Foreign Language/ Music or Art	Meet with college representatives Visit colleges Draft a personal essay Begin scholarship searches Take the SAT/ACT 16 Career Clusters aligned to Harvard High School	Fall – PSAT NMSQT Spring - SAT
12 th Grade	English IV/ English IV Honors Pre-Calculus/AP Calculus Social Studies Lab Science Foreign Language/ Music or Art	Continue scholarship searches Finish college visits Attend Financial Aid Night at MCC Submit college applications by deadlines Complete FAFSA by deadline Submit scholarships by deadlines Submit letter of acceptance and deposit to final college choice 16 Career Clusters aligned to Harvard High School	Retake SAT College placement testing

COURSE INFORMATION

COURSE	GRADES	CREDITS	COURSE NO.
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Art			
Two Dimensional Design	9, 10, 11, 12	.5	048
Three Dimensional Design	9, 10, 11, 12	.5	049
Ceramics	9, 10, 11, 12	.5	055
Drawing I	9, 10, 11, 12	.5	057
Painting I	9, 10, 11, 12	.5	059
Fibers and Glass	9, 10, 11, 12	.5	063
Sculpture	9, 10, 11, 12	.5	062
Graphics	9, 10, 11, 12	.5	065
Advanced Art 2D	10, 11, 12	.5	052
Advanced Art 3D	10, 11, 12	.5	053
Photography	10,11,12	.5	054
AP Studio 2D Design	11,12	1	070, 071
AP Studio 3D Design	11,12	1	072, 073

Bilingual/ESL Program			
ESL English I	9, 10, 11, 12	1	860, 861
ESL English II	9, 10, 11, 12	1	862, 863
ESL English III	9, 10, 11, 12	1	870, 871
ESL Reading I	9, 10, 11, 12	1	864, 865
ESL Reading II	9, 10, 11, 12	1	866, 867
ESL Reading III	9, 10, 11, 12	1	868, 869
ESL Resource	9, 10, 11, 12	1	874, 875

Business			
Introduction to Business	9, 10,11	.5	100
Consumer Economics	11, 12	.5	105
Computer Business Applications	9, 10, 11, 12	.5	106
Multimedia.com	9, 10, 11, 12	.5	107
Accounting I	11,12	1	116, 117
Business Law	10,11, 12	.5	125
Accounting II Honors	12	1	126, 127
Marketing	11, 12	.5	118
Digital Imaging I	10, 11, 12	.5	119
Digital Imaging II	10, 11, 12	.5	121
Web Design	10, 11, 12	.5	120
incubatoredu	12	1	130, 131

COURSE	GRADES	CREDITS	COURSE NO.
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Careers/Study Skills			
Strategies for Success	9	.5	138,139
AVID	10,11,12	1.0	160,161,162,163,164,165
Community Service I & II	11, 12	.5	142,143
Workplace Experience	12	.5	157,158
Interrelated Occupations	12	1	150I, 151I
On-the-Job a.m.	12	2	152, 153
<u>On-the-Job p.m.</u>	12	2	154, 155

Driver Education			
Driver Education	9, 10	.5	181,185

English			
Reading I	9, 10, 11, 12	1	231,232
Reading II	10, 11, 12	1	233,234
English I	9	1	200, 201
English I Honors	9	1	202, 203
Strategies for Success	9	.5	138, 139
English II	10	1	204, 205
Honors English II	10	1	206, 207
English III	11	1	208, 209
English III Honors	11	1	210, 211
English IV	12	1	214, 215
English IV Honors	12	1	216, 217
Multi-Media Journalism I 2 nd semester	11	.5	219
Multi-Media Journalism II	12	1	220, 221
Modern Novel/Film	11, 12	.5	222
Sports and Outdoor Literature	10, 11, 12	.5	228
Science Fiction Fantasy Literature (2020-21)	10, 11, 12	.5	229
Ancient and World Literature (2019-20)	11, 12	.5	230
Rhetoric and Debate Honors (2020-2021)	11, 12	.5	223
Creative Writing	10, 11, 12	.5	236
Advanced Creative Writing	10, 11, 12	.5	238
Library Media Assistant I and II	11, 12	.5	090, 091

World Language			
Spanish for Spanish Speakers I	9, 10, 11, 12	1	312, 313
Spanish for Spanish Speakers I Dual Lang	9, 10, 11, 12	1	312DL,313DL
Spanish for Spanish Speakers II	9, 10, 11, 12	1	316, 317
Spanish for Spanish Speakers II Dual Lang	9, 10, 11, 12	1	316DL,317DL
Spanish I	9, 10, 11, 12	1	318, 319
Spanish II	9,10, 11, 12	1	320, 321
Spanish III Honors	10, 11, 12	1	322, 323
Spanish IV Honors	11, 12	1	324, 325
Spanish Literature Honors	11, 12	1	326-327
AP Spanish	12	1	328,329

COURSE	GRADES	CREDITS	COURSE NO.
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Harvard Academy			
Harvard Academy	10, 11, 12	.5	997-998

Health			
Health	10	.5	351

High School Plus (MCC)			
Automotive Technology (Fall)	12	1	080
Automotive Technology (Spring)	12	1	081
Culinary Management (Fall)	11, 12	1	187
Culinary Management (Spring)	11, 12	1	187B
Fitness Instructor Training (Fall)	11, 12	1	189
Fitness Instructor Training (Spring)	11, 12	1	190
Intro to Emergency Services/Criminal (Spring)	11, 12	1	196
Intro to Emergency Services/Fire Science (Spring)	11, 12	1	195
Nurse Assistant Program (Fall, Spring)	11, 12	1	360, 361
Early Childhood Education (Spring)	11, 12	1	369

Career and Technical Education			
Foods & Nutrition I	9, 10, 11, 12	.5	401
Foods & Nutrition II	9, 10, 11, 12	.5	405
Commercial Foods I	10, 11, 12	.5	409
Commercial Foods II	10, 11, 12	.5	411
Child Development and Care	10, 11, 12	.5	419
Parenting	11, 12	.5	423
Drafting	9, 10, 11	.5	501
Woods I	9, 10, 11	.5	503
Metals I	9, 10, 11	.5	505
Electricity/Electronics	10, 11, 12	.5	506
Computer Aided Design I	10, 11, 12	.5	515
Computer Aided Design II (Dual credit MCC)	10, 11, 12	.5	516
Architectural Drafting	10, 11, 12	.5	508
Housing and Interior Design	9, 10, 11, 12	.5	507
Woods II	10, 11, 12	1	510, 511
Woods III	11, 12	1	524, 525
Manufacturing Occupations I	11, 12	.5	512, 513
Welding	11, 12	.5	514
Manufacturing Occupations II	11, 12	.5	519, 520
Construction and Building Trades I	10, 11	.5	521
Construction and Building Trades II	11, 12	2.5	522, 523
Construction and Building Trades III	12	2.5	522, 523

COURSE	GRADES	CREDITS	COURSE NO.
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Mathematics			
Algebra I	9	1	544, 545
Geometry I	10	1	558, 559
Geometry I Honors	9,10	1	556, 557
Intermediate Algebra	10,11	1	574I, 575I
Algebra II	11	1	562, 563
Algebra II Honors	11	1	560, 561
Integrated Mathematics III	10, 11, 12	1	536,537
Pre-Calculus/Trigonometry Honors	11, 12	1	566, 567
AP Calculus AB	11, 12	1	578, 579
Advanced Applications of Mathematics	12	1	572, 573
AP Computer Science Principles	9,10,11,12	1	594, 595
Transition to College Math	12	1	574TC, 575TC

Music			
Concert Band	9,10, 11, 12	1	602, 603
Symphonic Band	9,10, 11, 12	1	616,617
Music Appreciation even years	10, 11, 12	1	610, 611
Music Theory I odd years	10, 11, 12	.5	612
Music Theory II odd years	10, 11, 12	.5	613
Jazz Band	9,10, 11, 12	1	604,605
Concert Choir	9,10, 11, 12	1	606, 607
Advanced Choir	10, 11, 12	1	618,619
Vocal Ensemble	9,10, 11, 12	1	620,621
Advanced study in Music	10, 11, 12	1	614,615
Guitar I	9,10,11,12	.5	622
Guitar II	9,10,11,12	.5	623
Piano I	9,10,11,12	.5	628
Piano II	9,10,11,12	.5	629

Physical Education			
PE 9	9	.5	651
PE 10	10	.5	658, 660, 661
PE 11 & 12	11, 12	1	667, 669
Officiating Football/PE (Odd Years) (1 st Sem)	11, 12	.5	671
Officiating Volleyball/PE (Even Years)(2 nd Sem)	11, 12	.5	672
Officiating Wrestling/PE(Even Years) (2 nd Sem)	11, 12	.5	673
Officiating Basketball/PE (Odd Years) (2 nd Sem)	11, 12	.5	674
Officiating Baseball/Softball/PE (Odd Years) (2 nd Sem)	11, 12	.5	680
Strength and Conditioning	9, 10, 11, 12	.5	688, 689

COURSE	GRADES	CREDITS	COURSE NO.
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Study Hall			
Study Hall-First Semester	9, 10, 11, 12	0	991
Study Hall-Second Semester	9, 10, 11, 12	0	992
Resource	9, 10, 11, 12	1	993, 994

Science			
ESPS - Earth and Physical Science	9	1	700,701
Natural Resources	10, 11, 12	.5	008
Biology I	11,12	1	712, 713
Chemistry I	10, 11, 12	1	716, 717
Physics Honors	11, 12	1	720, 721
Biology II Honors	11, 12	1	728, 729
Chemistry II Honors	11, 12	1	730, 731
Human Anatomy and Physiology Honors	12	1	732, 733
Biological Science Appl in Forensics	11, 12	.5	734
Physical Science Appl in Forensics	11, 12	.5	735

Science of Agriculture			
Horticulture	10, 11, 12	.5	004
Landscape Development	10, 11, 12	.5	006
Natural Resources	10, 11, 12	.5	008
Agriculture Business Management	11, 12	.5	016
Agricultural Science	9,10, 11, 12	1	018I, 019I
Biological Science Applications In Agriculture	10, 11, 12	1	020, 021
Supervised Agricultural Experience I	10,11, 12	1	022, 023
Supervised Agricultural Experience II	11, 12	1	024, 025
Equine Science	11, 12	.5	028
Animal Science	10,11,12	.5	029

Social Studies			
Current Global Issues	10,11,12	.5	761
Early United States History	9, 10	.5	762
World History I	9,10,11	.5	764
World History I Honors	9,10,11	.5	764H
World History II	9,10,11	.5	765
World History II Honors	9,10,11	.5	765H
World Geography I	10,11,12	.5	766
World Geography II	10,11,12	.5	767
AP Human Geography	10	1.0	775, 776
Recent United States History	12	.5	768
United States History	11	1	770, 771
Civics	11, 12	.5	775
Psychology	12	.5	777
Sociology I Honors	12	.5	778H
Sociology II Honors	12	.5	779H
AP United States History	11	1	780,781

ART

Look around you... Where can't you find art? Life imitates art. Everything you look at and everything you touch has been designed by someone who has been trained in an art class. The Visual Arts Curriculum is designed to give students opportunity to develop as artists, educators, scholars and leaders. The art curriculum provides a solid foundation and the development of skills to creatively succeed in original ideas.

By participating in the Visual Arts, students have the opportunity to recognize connections between the arts and daily life. They will learn problem solving through expressive, analytical and developmental tools. Students will learn to adapt and respect other ways of thinking, working and expressing ideas. The Visual Arts help students build literacy and develop intuition, reasoning, imagination and dexterity.

When deciding to take a Visual Arts course, students choose Two Dimensional Design or Three Dimensional Design. Two Dimensional Design projects will be flat or made to hang on flat surface. Three Dimensional Design projects will be sculptural and made to walk around. Each will have three advanced courses after the prerequisite is met. Students are encouraged to explore both the Two Dimensional and Three Dimensional Design.

Art Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation - Bold</i> <ul style="list-style-type: none"> <i>Prerequisite</i> 		
		Advanced Option
9th Grade	Two Dimensional Design <ul style="list-style-type: none"> Drawing I, Painting, Graphics Three Dimensional Design <ul style="list-style-type: none"> Ceramics, Sculpture ,Fibers-Glass 	
10th Grade	Two Dimensional Design <ul style="list-style-type: none"> Drawing I, Painting Graphics, Photography Three Dimensional Design <ul style="list-style-type: none"> Ceramics, Sculpture Fibers-Glass 	
11th Grade	Two Dimensional Design <ul style="list-style-type: none"> Drawing I, Painting Graphics, Photography Three Dimensional Design <ul style="list-style-type: none"> Ceramics, Sculpture Fibers-Glass 	AP Studio Art Advanced Two Dimensional Design Advanced Three Dimensional Design
12th Grade	Two Dimensional Design <ul style="list-style-type: none"> Drawing I, Painting Graphics, Photography Three Dimensional Design <ul style="list-style-type: none"> Ceramics, Sculpture Fibers-Glass 	AP studio Art Advanced Two Dimensional Design Advanced Three Dimensional Design

TWO DIMENSIONAL DESIGN Grade 9,10,11,12 Credits 0.5 - 1 Semester Course # 48

Prerequisites: none ([Art index](#))

The Two Dimensional Design course provides a foundation utilizing the Elements and Principles of Art. This course assists students in the development of creative ideas. Students will be exposed to a variety of media including colored pencil, graphite, collage and paint. The skills and techniques taught become stepping stones for continuing in Drawing, Painting and Graphics.

THREE DIMENSIONAL DESIGN Grade 9,10,11,12 Credit 0.5 - 1 Semester Course# 49

Prerequisite: none ([Art index](#))

The Three Dimensional Design course provides a foundation utilizing the Elements and Principles of Art. This course assists students in the development of creative ideas. Students will be exposed to a variety of media including clay, glass, fibers, wire and recycled objects. The skills and techniques taught become stepping stones for continuing in Ceramics, Sculpture and Fibers and Glass.

DRAWING I Grade 9,10,11,12 Credit 0.5 - 1 Semester Course# 57

Prerequisite: [Two Dimensional Design](#) ([Art index](#))

The Drawing course will develop the student's ability to draw from observation using a wide variety of media and techniques. Students will experiment with still life, self portraits, landscapes and figure drawing. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

PAINTING I Grade 9,10,11,12 Credit 0.5 - 1 Semester Course# 59

Prerequisite: [Two Dimensional Design](#) ([Art index](#))

The Painting course will integrate and build upon students knowledge of color theory, composition and drawing. Students will experiment with ink, watercolor, acrylic and mixed media. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

GRAPHICS Grade 9,10,11,12 Credit 0.5 - 1 Semester Course# 65

Prerequisite: [Two Dimensional Design](#) ([Art index](#))

The Graphics course will model the process of designing artwork for commercial purposes and introduce students to the process of creative thought. Students will explore printmaking, photo manipulation, logo design and typography all with an external client in mind. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

CERAMICS **Grade 9,10,11,12** **Credit 0.5 - 1 Semester** **Course# 55**

Prerequisite: [Three Dimensional Design](#) [\(Art index\)](#)

The Ceramics course will extend student's knowledge of basic concepts in clay. Students will experiment with hand building techniques, coil construction, slab building, fundamental skills on the potter's wheel, and finishing techniques used in pottery. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

SCULPTURE **Grade 9,10,11,12** **Credit 0.5 - 1 Semester** **Course# 62**

Prerequisite: [Three Dimensional Design](#) [\(Art index\)](#)

The Sculpture course will provide students with the basic understanding of the four methods of sculpture: Carving, Casting, Modeling and Assemblage. Students will use additive and subtractive techniques to develop individual sculptures extending their knowledge of a variety of media, which may include wire, stone, wood, plastic, metal, and/or found objects. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

FIBERS and GLASS **Grade 9,10,11,12** **Credit 0.5 - 1 Semester** **Course# 063**

Prerequisite: [Three Dimensional Design](#) [\(Art index\)](#)

The Fibers and Glass course will combine the tools, techniques and processes in the creation of tactile art. Students will experiment with the creation of art that is designed to be perceived by touch. Some of the media used will be stained glass, glass fusion, weaving, dying, and paper. Students will learn to critique artwork, appreciate and model famous art styles, and to sketch for experimentation, practice and development of ideas.

Advanced Art
2 Dimensional **Grade 10,11,12** **Credit 0.5 - 1 Semester** **Course# 52**

Prerequisite: [Two Dimensional Design and 1 credit in Drawing, Painting or Graphics](#) [\(Art index\)](#)

The Advanced Art 2D course is designed for students who want to continue a deeper study of art independently. Students will be required to accomplish four independent projects, keep an art journal recording the development of ideas, conduct research in art history, write a critique on a two dimensional contemporary artist, participate in community outreach and create a portfolio of all high school artwork.

Advanced Art
3 Dimensional **Grade 10,11,12** **Credit 0.5 - 1 Semester** **Course# 53**

Prerequisite: [Three Dimensional Design and 1 credit in Ceramics, Sculpture or Textiles](#) [\(Art index\)](#)

The Advanced Art 3D course is designed for students who want to continue a deeper study of art independently. Students will be required to accomplish four independent projects, keep an art journal recording the development of ideas, conduct research in art history, write a critique on a three dimensional contemporary artist, participate in community outreach and create a portfolio of all high school artwork.

Prerequisite: [Two Dimensional Design \(Art index\)](#)

Photography will expose students to the basic techniques of modern photography. Students will learn the operation of a DSLR camera. They will learn the basic photography techniques, such as shutter speed and aperture, and compositional techniques such as leading lines and rule of thirds. They will learn proper lighting techniques and will explore how to properly edit an image in software to enhance its artistic message. History of photography will be discussed and its impact on modern society as well as historical and contemporary photographers. Students will be required to produce artistic photographs exploring various themes in photography.

Prerequisite: [Two Dimensional Design, Painting and Drawing \(Art index\)](#)

The AP Studio Art 2D Design Portfolio is a two-semester course in creating a 2D design portfolio at a level of quality appropriate for submission to the College Board for consideration for Advanced Placement credit. As such, the portfolio addresses design issues, and the student should demonstrate his/her understanding of design principles as related to a two-dimensional surface. Students must complete a portfolio of twenty-four pieces of artwork. Pieces will be the student's concentration, and twelve will include the breadth section exploring the elements and principles of 2D design. After a dialogue with the instructor, five pieces will be submitted to the College Board. Students will be required to work on projects outside of class. Research of materials, uses, and exploring artists who create two dimensional works will be required.

Prerequisite: [Three Dimensional Design, Ceramics and Sculpture \(Art index\)](#)

The AP Studio Art 3D portfolio is a two-semester course in creating a 3D design portfolio at a level of quality appropriate for submission to the College Board for consideration for Advanced Placement credit. As such, the portfolio addresses sculptural issues, and the student should demonstrate his/her understanding of design principles as related to depth and space. Students must complete a portfolio of twenty pieces of artwork. Twelve pieces will be the student's concentration, and eight will include the breadth section exploring the elements and principles of 3D design. After a dialogue with the instructor, five pieces will be submitted to the College Board. Students will be required to work on projects outside of class. Research of materials, uses, and exploring artists who create three dimensional works will be required.

BILINGUAL/ESL PROGRAM

The following courses are designed to allow the Limited English Proficient Student to acquire English speaking, reading and writing skills. Tutorial assistance is also provided to help students understand new concepts in his/her regular academic classes.

Las clases siguientes están desdñadas para permitir a los estudiantes limitados en inglés adquirir habilidades en hablar, escribir y leer inglés. También se proviene ayuda en entender conceptos nuevos en las clases académicas regulares.

ESL Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i>		
		Advanced Option
9th Grade	ESL English I, II and III ESL Reading I, II and III ESL Resource	
10th Grade	ESL English I, II and III ESL Reading I, II and III ESL Resource	
11th Grade	ESL English I, II and III ESL Reading I, II and III ESL Resource	
12th Grade	ESL English I, II and III ESL Reading I, II and III ESL Resource	

ESL ENGLISH I **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 860,861**
 Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

This course gives assistance to Limited English Speaking Proficient Students in developing basic communication skills of listening, speaking, reading, and writing and comprehension of general concepts taught in other classes.

ESL ENGLISH II **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 862,863**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

Depending on the skill level of the student, this class is designed to assist in learning conventions of grammar in speaking and writing.

ESL ENGLISH III **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 870,871**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

This course challenges the more advanced Limited English Proficient student in oral and written skills. This class is the transitional class between regular English classes and the ESL classes. Students would be placed in the appropriate level of learning as a result of prior work, ACCESS scores and teacher recommendation.

ESL READING I **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 864,865**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

Students are introduced to literacy materials that are meaningful in content to enable them to transfer skills learned in their first language.

ESL READING II **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 866,867**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

Students reading skills will be enhanced by offering a more challenging and wider selection of literature material. The goal is to help learn new content/concepts in their second language.

ESL READING III **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 868,869**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

Students reading skills are refined through literature and real word literacy materials. As a result of this class students will advance in reading level in English. All skills learned are applicable to reading in all other academic classes. The goal of the class is to help students read in English at grade level.

ESL RESOURCE **Grade 9,10,11,12** **Credit 1.0 - 2 Semesters** **Course# 874,875**

Prerequisite: [ACCESS Score](#) [\(ESL index\)](#)

This program is for those students with Limited English Proficient and need help with all their class work.

BUSINESS EDUCATION

Many people—parents, students, and even educators—operate under the erroneous assumption that business education is only for students who expect to graduate and pursue a career in business. The information contained within the business education curriculum is not only valuable for all students in today’s world, but also it is critical for the success of our country. All students need to have a general understanding of how the American economy operates and the role business plays in the economic well-being of the country. Furthermore, it is increasingly necessary for students to be able to understand and utilize technology in their personal and professional lives.

The Harvard Business Education Department’s purpose is to provide students with the opportunities to explore the world of business, both financial and technical. It is our mission to serve the total school population through a relevant curriculum oriented toward providing career direction, a sound foundation for advanced study, and the development of employability job skills. We want students to become life-long learners and knowledgeable contributors within the ever-changing global society in which we live.

Students beginning with the class of 2013 will be required to take .5 credit in the Business Department in addition to the state requirement of Consumer Economics. The following is a suggested course sequence.

Business Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation - Bold</i> <i>Business Credits Required for Graduation .5</i>		
		Advanced Option
9th Grade	*Introduction to Business *Computer Business Applications *Multimedia dot com	
10th Grade	*Introduction to Business *Multimedia dot com *Computer Business Applications *Digital Imaging I	*Web Design *Digital Imaging II
11th Grade	* Consumer Education Accounting I *Business Law *Marketing *Digital Imaging I *Multimedia dot com *Computer Business Applications *Introduction to Business	*Web Design *Digital Imaging II
12th Grade	* Consumer Education Accounting I *Business Law *Marketing *Digital Imaging I *Multimedia dot com *Computer Business Applications	Accounting II Honors Incubatoredu *Web Design *Digital Imaging II

INTRODUCTION TO BUSINESS **Grade 9,10, 11** **Credit .5 - 1 Semester** **Course# 100**

Prerequisite: None **(Business index)**

Introduction to Business examines the role of business in our daily lives from the perspectives of the business owner and the consumer. This course is designed to expose the interested student to the many functions of modern business. As a result of completing this course, students will have a better understanding of the problems faced by and the opportunities available to business owners and managers. In addition, soft skills (communication, teamwork, adaptability, etc.) and transferable/hard skills (keyboarding, computer technology, writing, etc.) will be learned. This course will provide a foundation for other business courses and may interest the student in a type of industry he/she may want to explore as a potential career (Finance, Marketing, Accounting, Operations and Management).

CONSUMER ECONOMICS **Grade 11, 12** **Credit .5 - 1 Semester** **Course# 105**

Prerequisite: None **(Business index)**

Are you ready to live on your own? Consumer Economics is designed to help you become economically independent. You will see how you fit into a larger economy and learn how to manage your finances. This course is one semester in length and includes the topics required by the State of Illinois. This class will include a basic understanding of economic principles, consumer buying, budgeting, credit, and taxes. Other topics include savings and checking accounts, investing, insurance, social security, and student loans. *Note: Students who are planning to enroll in Interrelated Occupations senior year are strongly discouraged from taking Consumer Economics during their junior year.*

COMPUTER BUSINESS

APPLICATIONS **Grade 9,10,11,12** **Credit .5- 1 Semester** **Course# 106**

Prerequisite: None **(Business index)** (Dual credit MCC when taken along with Computer Business Applications during same school year)

Sure, you know how to use the computer. After all, you've been using it as long as you can remember. This course is designed for students looking to function at a higher level than "just getting by with the basics." Students will develop skills in using the microcomputer for business applications such as word processing, spreadsheets, database, and desktop publishing. This class is highly recommended for students thinking about majoring in Business in college or for those seeking an entry level office job. **This course, along with Multimedia.com, may earn dual credit through MCC.** *Suggested follow up courses: Multimedia.com and Accounting*

MULTIMEDIA.COM **Grade 9,10,11,12** **Credit .5 - 1 Semester** **Course# 107**
Prerequisite: None **(Business index)** (Dual credit MCC when taken along with Computer Business Applications during same school year)

Words...Images...Audio...Video. How do these isolated words equate to the 21st Century skills needed to compete in our global workplace? Do you want to amaze your teachers and classmates with dazzling multimedia presentations? Do you want to learn how to create your own professional looking brochures and business cards? This one-semester course is designed to help you become a skilled, creative user of current multimedia technology. Programs taught may include PowerPoint, Publisher, Google Presentations, Photo Story, Prezi, Haiku Deck, and video editing. Tech tools used may include PowerPoint, Google Slides, Publisher, Canva, Prezi, Lucidpress, Piktochart, Stupeflix, and WeVideo. As new tech tools are developed, they will be incorporated into the course. Time and resource management decisions will be practiced on both individual and group projects. **This course, along with Computer Business Applications, may earn dual credit through MCC.** *Suggested follow up courses: Digital Imaging I and II, CBA, and Web Design*

MARKETING **Grade 11,12** **Credit .5 - 1 Semester** **Course# 118**
Prerequisite: None **(Business index)**

Marketing is an exciting, fun, and challenging career with great rewards. Explore this career option and all it has to offer when you take this hands-course designed to introduce you to the world of marketing. This course will help you understand why consumers reach for one brand over another and how a product makes it onto the store shelves. The entire marketing process will be studied along with opportunities for application of classroom learning. *Suggested follow up courses: Business Law, Digital Imaging I, Incubatoredu, and Web Design*

DIGITAL IMAGING I **Grade 10,11,12** **Credit .5 - 1 Semester** **Course# 119**
Prerequisite: None **(Business index)**

Do you like taking pictures? Would you like to learn how to make them look better? Learn to use Adobe Photoshop Elements and enhance the pictures taken with a digital camera. Elements provide users with the opportunity to manipulate pictures almost to the same extent as the more expensive, full version of Photoshop. This course will combine the simplicity and power of the program, so students can have fun and do more with photos. . *Suggested follow up courses: Digital Imaging II, Marketing, and Web Design.*

DIGITAL IMAGING II **Grade 10,11,12** **Credit .5 - 1 Semester** **Course# 121**
Prerequisite: Digital Imaging I **(Business index)**

Dive deeper into the tricks and techniques to improve your own digital pictures with Photoshop Elements. Explore filters, frames, and themes. In addition, learn to create photomontages, album pages, cards, brochures, CD/DVD jackets, CD/DVD labels, calendars, and more! *Suggested follow up courses: Marketing and Incubatoredu*

WEB DESIGN	Grade 10,11,12	Credit .5 - 1 Semester	Course# 120
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Prerequisite: [Multimedia.com](#) [\(Business index\)](#)

This is an introductory class in which students will design and create web pages using good design principles. Students will learn the pros and cons of web page design by evaluating existing web pages. Let your creative side show with designing and editing software. Create professional, up-to-date web sites that are pleasing to the eye and easy to navigate using industry standard software. *Suggested follow up courses: Digital Imaging I and II*

ACCOUNTING I	Grade 11,12	Credit 1.0 - 2 Semester	Course# 116,117
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Prerequisite: None [\(Business index\)\(index\)](#)

Interested in owning a business? Well, Accounting is one major key in being a successful business owner. Maybe you are looking for an exciting career that has unlimited opportunities, higher earnings, and personal satisfaction. Accounting is your answer; learn the “language of business”. This course will provide students with the manual and computerized accounting skills that are used in today’s business world. Students will complete realistic accounting simulations and perform duties that assist the accountant in recording, sorting, and filing financial data. **Students completing Accounting I and II may qualify for college articulation credits.** *Suggested follow up courses: Honors Accounting II, Business Law, and Incubatoredu.*

ACCOUNTING II HONORS	Grade 12	Credit 1.0 - 2 Semester	Course# 126,127
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Prerequisite: [Accounting I](#) [\(Business index\)](#)

This course will begin with a review of accounting principles and procedures that were covered in the first year of accounting. First semester will then deal with financial accounting. The topics in this area will include depreciation, stocks and bonds, accruals and deferrals, and uncollectible accounts. The second semester will deal with managerial accounting. This will include departmental businesses, multi-store businesses, and special types of sales. A variety of computer applications will be used throughout the year. **Students completing Honors Accounting II may qualify for college articulation credits.**

BUSINESS LAW	Grade 11, 12	Credit .5 - 1 Semester	Course# 125
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Prerequisite: None [\(Business index\)](#)

Do you know the difference between a tortfeasor and a defendant? The answer to this question and many more will be answered during *Business Law*. This course will help you understand the similarities and differences between the civil and the criminal law systems within the American legal system. Students will gain a greater understanding of the laws affecting their daily lives and the business world, become familiar with basic legal terms and processes, and develop an awareness of current legal issues. *Suggested follow up courses: Marketing, Accounting (Accounting can be taken junior or senior year), and Incubatoredu.*

INCUBATOR EDU	Grade 12	Credit 1 - 2 Semesters	Course# 130,131
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Prerequisite: [.5 credit in Business](#) [\(Business index\)](#)

Do you have a desire to become a true entrepreneur? In this course, you will be given the opportunity to create and fully develop your own product or service. Real-world entrepreneurs and business experts will serve as coaches and mentors guiding student teams through the process of ideation, market research, and business model development. Student teams will learn about marketing, finance, as well as the legal aspects of starting a business. The program will culminate with Pitch Week. Pitch Week helps to further fire the entrepreneurial spirit by putting student teams in front of actual investors so they can pitch their innovative idea to win funding and turn their wishful thinking into a reality.

CAREERS

Career Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation - Bold</i> <i>Business Credits Required for Graduation</i>		
		Advanced Option
9th Grade	Strategies for Success	
10 th Grade	AVID (Class of 2021)	
11 th Grade	AVID (Class of 2021) *Community Service	
12 th Grade	AVID (Class of 2021) Interrelated Occupations *Workplace Experience *Community Service	

STRATEGIES FOR SUCCESS **Grade 9** **Credit .5 English Credit .5 Elective- 2 Semesters** **Course# 138 139**

Prerequisite: None [\(Career index\)](#)

Strategies for Success is a year-long course required of all freshmen. The course is intended to address the basic skills needed to succeed in high school and help students transition into this last phase of their compulsory education. Areas of focus include, but are not limited to, library and research database orientation, career exploration, learning styles, and skills related to studying, job readiness, interpersonal communication, and research. Student will receive one half credit in English for the first semester and one half elective credit for the second.

AVID **Grade 10** **Credit .5** **Credit 1.0** **Elective- 2 Semesters** **Course# 160,161**

Prerequisite: Application [\(Career index\)](#)

AVID stands for Advanced Placement Via Determination. AVID is offered for all students who are motivated to pursue post-secondary education at the completion of high school. AVID students are average to above-average, and with a little support can excel in Honors and Advanced Placement courses. This support includes note-taking, test preparation, tutorials, organization, and study strategies. AVID utilizes culturally relative teaching strategies that promote stronger relational capacity for all students.

AVID Grade 11 Credit .5 Credit 1.0 Elective- 2 Semesters Course#

Prerequisite: Application [\(Career index\)](#)

AVID stands for Advanced Placement Via Determination. AVID is offered for all students who are motivated to pursue post-secondary education at the completion of high school. AVID students are average to above-average, and with a little support can excel in Honors and Advanced Placement courses. This support includes note-taking, test preparation, tutorials, organization, and study strategies. AVID utilizes culturally relative teaching strategies that promote stronger relational capacity for all students.

AVID (2020-2021) Grade 12 Credit .5 Credit 1.0 Elective- 2 Semesters Course#

Prerequisite: Application [\(Career index\)](#)

AVID stands for Advanced Placement Via Determination. AVID is offered for all students who are motivated to pursue post-secondary education at the completion of high school. AVID students are average to above-average, and with a little support can excel in Honors and Advanced Placement courses. This support includes note-taking, test preparation, tutorials, organization, and study strategies. AVID utilizes culturally relative teaching strategies that promote stronger relational capacity for all students.

INTERRELATED OCCUPATIONS Grade 12 Credits 3 - 2 Semesters Course# 150I,151I

Prerequisite: 2 courses in one of the following areas: Business, Industrial Arts, Consumer Family, Science, Health Occupations, or Agriculture. [\(Career index\)](#)

Interrelated Occupations/On the Job is a cooperative education and career exploration partnership between Harvard High School and local employers. Students attend class during the regular school day (*Interrelated Occupations*) and work outside of school (*On the Job*) for academic credit. The goal of the course is to encourage students to become employed in a career path they intend to pursue after graduating from high school or postsecondary training/education. Students may be eligible for late arrival/early release, but it is NOT a requirement for this program. The student, their parent(s)/guardian(s), and employer all must agree upon a set of conditions for acceptance into the program and continued participation throughout the course. The student must have a job prior to the start of the course and remain continuously employed (15-25 hours per week) throughout the two semester course. Full course details will be explained to participating students and their parents/guardians during an orientation meeting. Students must successfully complete **both** semesters of Interrelated Occupations to meet the State of Illinois Consumer Education graduation requirement. *Note: Students who are planning to enroll in Interrelated Occupations (senior year) are strongly discouraged from taking Consumer Economics during their junior year.* Successful completion of the *On the Job* portion of the class will satisfy the .5 Business Department elective HHS graduation requirement.

COMMUNITY SERVICE I Grade 11,12 Credit .5 Course# 142

Prerequisite: None [\(Career index\)](#)

The program is designed to allow students at Harvard High School to earn credit while participating in community service activities that nurture personal growth and promote assistance to others. A volunteer earns .5 credit for 70 hours of volunteer work, which must be completed within the school year. The class is Pass/Fail with the passing grade being received after the completion of 70+ hours of community service. The student must complete 35 hours at the end of the first semester to receive a passing grade, as well as an additional 35 hours at the end of the 2nd semester to receive the .5 credit for this program.

Prerequisite: None (Career index)

The program is designed to allow students at Harvard High School to earn credit while participating in community service activities that nurture personal growth and promote assistance to others. A volunteer earns .5 credit for 70 hours of volunteer work, which must be completed within the school year. The class is Pass/Fail with the passing grade being received after the completion of 70+ hours of community service.

WORKPLACE EXPERIENCE **Grade 12** **Credit .5** **Course# 157,158**

Prerequisite: None (Career index)

This course is designed to provide seniors with practical insight and experiences that will help them decide if a particular career is right for them. Students will work side-by-side with professionals for a minimum of 45 hours during the semester in order to experience the day-to-day responsibilities of a specific profession. In addition, this course provides students real life skills and tools necessary for the workplace. A variety of weekly online activities will be required. Internship sites may include working in education with a teacher at the junior high or elementary level, working at a hospital, or any other type of career. Students will work with an instructor to set up internships. Students will earn one-half credit each semester. The credit earned from this class counts as a general elective credit.

DRIVER EDUCATION

The goal of this program is to develop competent and responsible motor vehicle operators who are able to complete requirements for obtaining a driver's license in the State of Illinois. Each student will learn the appropriate terminology, obligations, and responsibilities from the legal and social viewpoints. Also each student will learn the fundamental driving skills and the ability to recognize, analyze, and respond to traffic situations in a proficient manner. Driver Education is a twophase program consisting of the required classroom and an optional behind the wheel phase. -

DRIVER EDUCATION **Grade 9,10** **Credit .5** **Course# 180,185**

Prerequisite: Must have passed at least 8 courses in the 2 previous semesters (DE index)

For classroom: fifteen years of age. For behindthe-wheel: completed or taking the classroom phase, parental consent, and instruction permit. Fee for instruction permit and lab (BTW) fee to cover behind the wheel expenses will be assessed.-

Driver Education is a two phase program consisting of the required classroom phase and optional BehindTheWheel (BTW) phase. The classroom is at least 30 clock hours in length and stresses attitudes for safe driving. Students taking both phases of the program should plan to finish both parts within one year after enrolling in the classroom phase. The classroom phase of Driver Education is designed to help novice drivers develop the knowledge, skills and attitudes necessary to become safe, low-risk, responsible drivers. Students will learn how to manage distractions and risks, understanding the highway transportation system (HTS), understanding basic vehicle operations, maintenance and operating costs. Students have the opportunity to obtain an instructional drivers permit. Students must pass the State of Illinois Rules of the Road test before obtaining a permit. The BTW phase of Driver Education, each student is scheduled for a minimum of six hours of actual driving experience and an additional six hours of observation time. Instruction will be in a dual control car with a qualified instructor. Illinois State law and a written school policy determine attendance requirements.

ENGLISH

Successful completion of four credits of English is required for graduation--English I, English II, English III, and a fourth credit of the student's choosing. It is the function of the English program to respond to the needs of Harvard students in all aspects of communication. Areas of study include speech, literature, composition, language, research, and vocabulary. It is a sequential program, beginning at the 9th grade. Certain electives may be taken at the sophomore, junior, or senior level; however, these electives do not replace the third year requirement. College-bound students are strongly advised to take English IV.

English Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i> <i>English Credits Required for Graduation 4</i>		
		Advanced Option
9th Grade	English I Strategies for Success Reading I	English I Honors
10 th Grade	English II	English II Honors *Sports and outdoor Literature *Creative Writing *Advanced Creative Writing *Science Fiction Fantasy Literature
11 th Grade	English III *Sports and Outdoor Literature *Creative Writing *Advanced Creative Writing *Science Fiction Fantasy Literature *MMJ I	*Modern Novel Film *Rhetoric and Debate Honors *Ancient and World Literature
12 th Grade	English IV *Sports and outdoor Literature *Creative Writing *Advanced Creative Writing *Science Fiction Fantasy Literature MMJ II	English IV Honors *Modern Novel Film *Rhetoric and Debate *Ancient and World Literature

Honors English Option for English I, II and III

Students who choose the Honors English Option will attend regular sections of English I, II, or III class with their peers. They will also complete all of the assignments required of their classmates. Additionally, each quarter, honors students will complete one major independent project which may involve challenging reading, research, and writing. Teachers may also ask honors students to complete other tasks beyond the normal requirements, such as additional test questions, class presentations, and extended assignments and readings.

At the beginning of the semester each English teacher will provide information on expectations and requirements for the Honors English, Option, and students will have the opportunity to enroll within the first week of class.

Once enrolled in the Honors English Option students, are not allowed to drop the course until the end of the semester.

At the end of first semester, students who have elected the honors option and who did not earn a B- or higher must petition the teacher to remain in honors course.

STRATEGIES FOR SUCCESS

Grade 9 .50 Credit English .50 Credit Elective Course# 138-139

Prerequisite: None ([English index](#))

Strategies for Success is a year-long course required of all freshmen. The course is intended to address the basic skills needed to succeed in high school and help students transition into this last phase of their compulsory education. Areas of focus include, but are not limited to, library and research database orientation, career exploration, learning styles, and skills related to studying, job readiness, interpersonal communication, and research. Student will receive one half credit in English for the first semester and one half elective credit for the second.

READING I Grade 9, 10, 11, 12 Credit 1 - 2 Semesters Course# 231, 232

Prerequisite: assessment data – NWEA, ISAT, Lexile reading level, teacher Recommendation, previous reading interventions ([English index](#))

The focus of Reading I is to provide students with the tools to improve their basic reading skills, promote a positive attitude toward reading and improve vocabulary skills. By the end of the course, students will have learned how to use a variety of reading strategies to improve their skills in reading of both fiction and, primarily, nonfiction texts.

READING II Grade 10, 11, 12 Credit 1 - 2 Semesters Course# 233, 234

Prerequisite: assessment data – NWEA, ISAT, Lexile reading level, teacher Recommendation, previous reading interventions ([English index](#))

The focus of Reading II is to provide students with a deeper understanding of how to use the tools they've acquired to improve their basic reading skills, deepen their positive attitude, and continue to improve vocabulary skills. By the end of the course, students will have learned how to use a variety of reading strategies to improve their skills in reading of non-fiction as well as fiction reading materials.

MULTIMEDIA JOURNALISM Grade 11 Credit .5 - 1 Semester Course# 219

Prerequisite: [English III or currently in English III](#) [\(English index\)](#)

Introduction to Journalism covers the background of journalism in America, fundamentals of reporting and editing in the print medium, and the basics of broadcast journalism. Students will also learn the basics of media literacy and how to evaluate different news sources. Later in the semester, students will have the opportunity to write an article that is featured in the school newspaper, which MMJI students write.

MULTIMEDIA JOURNALISM II Grade 12 Credit 1 - 2 Semester Course# 220,221

Prerequisite: [Multimedia Journalism I](#) [\(English index\)](#)

Multi-media Journalism II students develop leadership talents and hone print and broadcast journalism skills learned in MMJI. Responsibilities include planning, production, and marketing of the school newspaper, and coordination of many Harvard High School video productions. Students are entrusted with privileges that allow them to report on and promote the student body and school activities and events.

MODERN NOVEL/FILM Grade 11,12 Credit .5 - 1 Semester Course# 222

Prerequisite: [English I, II, III or currently in English III](#) [\(English index\)](#)

This course is designed to examine movies of the twentieth century. Students will gain knowledge in the technological, historical, thematic, and social aspects of film, especially in its relationship to literature. Students will begin to think critically about the mass media.

The novels and films selected represent a variety of artistic categories, viewpoints, and techniques, as well as different levels of difficulty. In order to take this course, students must have their parent or guardian read the syllabus and agree to it.

RHETORIC AND DEBATE HONORS Grade 11,12 Credit .5 - 1 Semester Course# 222

Prerequisite: [English I, II](#) [\(English index\)](#)

This course is for students desiring a stronger background in public speaking and an introduction to formal debate. This course focuses on speaking experiences, critical analysis of speeches, and the historical foundations, and development of rhetoric and debate.

CREATIVE WRITING Grade 10,11,12 Credit .5 1 Semester Course# 236

Prerequisite: [English I](#) [\(English index\)](#)

Creative Writing is a writing intensive English elective worth .5 English credits. In order to examine the art of creative writing, students will initially explore examples of work from existing authors of various literary genres, including fiction, poetry, and creative nonfiction. After reading and analyzing these forms, students will create their own works through the writing process. Final pieces of the students' choosing will be prepared for possible publication.

ADVANCED CREATIVE WRITING Grade 10,11,12 Credit .5 1 Semester Course# 238

Prerequisite: [English I](#) [Creative Writing](#) [\(English index\)](#)

Advanced Creative Writing is a writing intensive English elective writing course worth .5 English credits. This course expands upon the writing and analytical skills obtained in Creative Writing as students analyze more complex literary examples from prominent authors in various literary genres. Students will then create their own projects in fiction, drama, and poetry through a process of editing and revision for eventual publication. This class will also produce the Harvard High School Literary Magazine.

**SPORTS &
OUTDOOR LITERATURE Grade 10, 11, 12 Credit .5 - 1 Semester Course# 228**

Prerequisite: [English I](#) [\(English index\)](#)

In this course students will consider sports, outdoor, and environmental works focusing on some of the most important writers of the past and present. Through reading, writing, and critical viewing, students will explore current relevant issues and the relationship between literature and environmental, social, and political realities.

**SCIENCE FICTION &
FANTASY LITERATURE Grade 10, 11, 12 Credit .5 - 1 Semester Course# 229**

Prerequisite: [English I](#) [\(English index\)](#)

In this one-semester course, students will explore the genres of science fiction and fantasy literature including early to modern works. Through reading, writing, and critical viewing students will develop an appreciation for, and understanding of the themes and audience following particular to these genres of literature.

**ANCIENT &
WORLD LITERATURE Grade 11, 12 Credit .5 -1 Semester Course# 230**

Prerequisite: [English I, II, III or currently in English III](#) [\(English index\)](#)

In this course, students will be exposed to the earliest foundations of modern literature. Through reading, writing, and critical viewing, they will explore and develop an appreciation for both the diversity and universality of literature from around the world.

LIBRARY MEDIA ASSISTANT I Grade 11, 12 Credit .5 1 Semester Course# 90

Prerequisite: [Instructor Permission \(No English Credit\)](#) [\(English index\)](#)

The focus of this course is to deepen the student's knowledge and practical use of the library and its resources. Student Library Media Assistants provide service to the library and school by assisting the librarian, faculty, and student patrons in the daily operation and use of the library. Students will learn about the Harvard High School library procedures and resources. They will complete written assignments, perform hands-on database searches, and assist with daily routine tasks in the library. All special scheduling requests must be pre-approved by the instructor. They will be expected to help with 1:1 technology support.

LIBRARY MEDIA ASSISTANT II Grade 11, 12 Credit .5 1 Semester Course# 91

Prerequisite: [Instructor Permission Library Media Assistant I \(No English Credit\)](#)
[\(English index\)](#)

During the course students will use the practical knowledge learned during the Library Media Assistant I course. This course may be taken up to three semesters.

FAMILY AND CONSUMER SCIENCE

The philosophy of the department focuses on the empowerment of individuals and families to manage the challenges of the real world for successful life management, career development, and employment.

Family Consumer Science Pathway		
<i>One Semester Course - *</i>		
<i>Weighted-Honors</i>		
<i>Required Course for Graduation - Bold</i>		
		Advanced Option
9th Grade	*Foods and Nutrition I *Foods and Nutrition II	
10th Grade	*Commercial Foods I *Commercial Foods II *Child Development *Foods and Nutrition I *Foods and Nutrition II	
11th Grade	*Commercial Foods I *Commercial Foods II *Child Development *Parenting *Foods and Nutrition I *Foods and Nutrition II	
12th Grade	*Commercial Foods I *Commercial Foods II *Child Development *Parenting *Foods and Nutrition I *Foods and Nutrition II	

FOODS & NUTRITION I **Grade 9,10,11,12** **Credit .5 - 1 Semester** **Course# 401**
 Prerequisite: None ([index](#))

This is a basic course that includes classroom and laboratory experiences needed to develop knowledge and understanding of food. Emphasis is given to nutrition, safety, sanitation, use and care of equipment, following recipes, and food preparation in such areas as in cookies, cheese, eggs, and quick breads. Students will begin preparing and serving food to large groups.

FOODS & NUTRITION II **Grade 9,10,11,12** **Credit .5 - 1 Semester** **Course# 405**

[Prerequisite: Foods and Nutrition I \(index\)](#)

This is a course that includes classroom and laboratory experiences needed to develop knowledge and understanding of food principles and applied nutrition for people of all ages. Emphasis is given to nutrition, sanitation, safety, use and care of equipment, food purchasing, meal planning, and food preparation in the areas of fruits, vegetables, salads, meats, fish, and poultry. Origin of the foods in the 7 main regions of the United States and various countries will also be identified.

COMMERCIAL FOODS I **Grade 10,11,12** **Credit .5 - 1 Semester** **Course# 409**

[Prerequisite: Foods and Nutrition II \(index\)](#)

This course is designed to provide students interested in food service with the information and practical experiences needed for the development of job related competencies. The students will be provided with laboratory experiences in preparing and serving food to the public. There is emphasis in the course on safety, sanitation, serving of food by a variety of methods, and food preparation in the areas of beverages, pastries, cakes, soups, yeast breads and candies.

COMMERCIAL FOODS II **Grade 10,11,12** **Credit .5 - 1 Semester** **Course# 411**

[Prerequisite: Commercial Foods I \(index\)](#)

This course is designed to provide students interested in a career in food service with the information and practical experiences needed for the development of food service job related competencies. The students receive laboratory experiences in preparing food in quantity. Emphasis in this course will be food preparation in the areas of cake decorating, desserts, appetizers, meat, fish and poultry, foreign and regional foods.

CHILD DEVELOPMENT & CARE **Grade 10,11,12** **Credit .5 - 1 Semester** **Course# 419**

[Prerequisite: None \(index\)](#)

This course emphasizes learning experiences which will help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through adolescence. Topics include prenatal development, maternal nutrition, nutritional needs of children, and techniques for developing satisfactory nutritional habits will be emphasized. Student observations and laboratory experiences will be a part of this course. Information on careers related to childcare will be incorporated throughout the course. Students will be expected to plan and lead 3 group activities with the students from the Harvard Head Start.

PARENTING **Grade 11,12** **Credit .5 - 1 Semester** **Course# 423**

[Prerequisite: None \(index\)](#)

This class utilizes the computerized technology of the Baby Think it Over Infant and the Empathy Pregnancy unit to provide students with a realistic approach to parenting. Special attention is given to the needs of teenage parents and to the importance of readiness for parenthood.

WORLD LANGUAGE

Acquisition of language skills is not only for the collegebound student. Language has become a necessity for employment in many varied fields; there is a constant demand for bilingual employees, which can give a bilingual employee an advantage over other potential employees.-

The World Language Department approaches foreign language instruction from the beginning levels of sound reproduction and acquisition of listening skills. Oral and visual recognition are encouraged. As the students become involved with more sophisticated elements of each of the languages, classroom activities also increase in complexity. At all levels many supplementary materials are incorporated into the curriculum

Spanish Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i> <i>English Credits Required for Graduation 4</i>		
		Advanced Option
9th Grade	Spanish I Spanish Speakers I	Spanish II Spanish Speakers I DL
10th Grade	Spanish II Spanish Speakers II Spanish Speakers I Spanish I	Spanish III Honors Spanish Speakers II DL Spanish Speakers I DL
11th Grade	Spanish Speakers II Spanish Speakers I Spanish II Spanish I	Spanish IV Honors Spanish III Honors Spanish Literature Honors Spanish Speakers II DL Spanish Speakers I DL
12th Grade	Spanish Speakers II Spanish Speakers I Spanish II Spanish I	AP Spanish IV Spanish IV Honors Spanish III Honors Spanish Literature Honors Spanish Speakers II DL

SPANISH FOR**SPANISH SPEAKERS I Grade 9,10,11,12 Credit 1-2Semester Course#312,313/ 312DL,313DL**

Prerequisite: [Placement test](#) Dual Language option [\(index\)](#)

This course is tailored to the needs of the student who has had extensive exposure to the Spanish language. The course will focus on grammar, reading, writing, listening and speaking to facilitate academic skills in Spanish. Vocabulary and reading comprehension skills will be broadened through literature. The goal of this course is to improve overall Spanish literacy.

SPANISH FOR**SPANISH SPEAKERSII Grade 10,11,12 Credit1-2 Semester Course# 316,317/316DL,317DL**

Prerequisite: [Placement test](#), [Spanish for Spanish Speakers I](#) Dual Language option [\(index\)](#)

This course is a continuation of skills learned in Spanish for Spanish Speakers I. Focus on grammar - spelling and punctuation - to facilitate writing skills in Spanish will be stressed. Cultural focus will be on 21 Spanish speaking countries.

SPANISH I Grade 9,10,11,12 Credit 1 - 2 Semester Course# 318,319

Prerequisite: [None](#) [\(index\)](#)

Listening, speaking, reading, and writing skills are emphasized in this course. Vocabulary memorization and application skills are exercised to provide means for basic communication in Spanish. Vocabulary is presented in a functional way to facilitate utilizing Spanish more quickly. Completion of daily work is essential to success.

SPANISH II Grade 9,10,11,12 Credit 1 - 2 Semester Course# 320,321

Prerequisite: [Spanish I](#) [\(index\)](#)

This course is a continuation of the introductory course and a firm foundation of basic Spanish is required. More intensive work on vocabulary development, grammatical structure, and reading comprehension is experienced in this class. Students further their usage skills by responding to everyday situations.

SPANISH III HONORS Grade 10,11,12 Credit 1 - 2 Semester Course# 322,323

Prerequisite: [Spanish II](#) [\(index\)](#)

This course concentrates on oral and written communication in the target language. Several texts are used within the framework of the class to include readers, short stories, and grammar review. Culture related content is offered through study of history,- geography, and literature. Students are encouraged to participate in local and national competitions. *Weighted grade.

Prerequisite: [Spanish III or Spanish II for Spanish Speakers](#) [\(index\)](#)

Students further their mastery of reading, writing, listening and speaking through advanced grammar exercises, compositions, oral presentations and reading materials. They will be exposed to culture through literature, history and geography. Students are encouraged to participate in local and national competitions. *Weighted grade.

SPANISH LITERATURE HONORS Grade 11,12 Credit 1-2 Semester Course# 326,327

Prerequisite: [Dual Language II](#) [\(index\)](#)

Spanish literature will include readings from both Spanish and Latin American literary tradition. It will examine different periods of literature within their historical context and allow students to see how ideologies and historical events influenced Spanish writings from each era. It is reading and writing intensive so students should have strong academic language skills in Spanish.

AP SPANISH IV Grade 12 Credit 1 - 2 Semester Course# 328,329

Prerequisite: [Teacher Recommendation](#) [\(index\)](#)

Students further their mastery of reading, writing, listening and speaking through advanced grammar exercises, compositions, oral presentations and reading materials. They will be exposed to culture through literature, history and geography. Students who enroll in this course are required to pay for and take the Advanced Placement Exam in May. *Weighted grade.

HARVARD ACADEMY

HARVARD ACADEMY Grade 10,11,12 Credit .5 or 1 1-2 Semesters Course# 997-998

Prerequisite: [Counselor Recommendation](#) [\(index\)](#)

Students are recommended for this class by teachers and counselors.

Harvard Academy is an academic alternative for two types of "at risk" students.

1. Those students who do not fit into the traditional classroom environment.
2. Those students who need to make up course work to meet graduation requirements.

The curriculum has been designed to allow the student to return to the traditional classroom setting. Major emphasis is put on graduation requirements with graduation being a stated goal of the student and the selection committee.

The academic work is generated on computers with a curriculum defined by Compass Learning Odyssey. This curriculum is enhanced with activities that will vary by subject area and are implemented at the discretion of the teacher. Harvard Academy provides an opportunity for students to take control of their future by providing them with an alternative method of learning.

HEALTH

HEALTH Grade 10 Credit .5 1 Semester Course# 351

Prerequisite: [None](#) [\(index\)](#)

Students will be taken out of their physical education class during one semester of their 10th grade year for this class. The student will study the seven general areas of health: (1) Mental/emotional health (2) Substance Abuse (3) Physical Fitness and Nutrition (4) First Aid and CPR (5) Human Relationships (6) Consumer Health (7) Environmental Health. The main emphasis is on the concept that a person can do much to determine his level of health if he/she has basic knowledge of the five areas of health.

High School Plus

McHenry County College

High School Plus is a collection of programs where you can explore all kinds of college classes and careers at McHenry County College or here at the high school while you're still in high school.

High School Plus Pathways			
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation -</i> Bold			
	Dual Credit (Offered at MCC)	Articulated Credit Offered at (HHS)	College in the High School Offered as (Dual Credit)
9th Grade		Drafting I Type/Tech	
10 th Grade		Horticulture Landscaping	HHS Course- Computer Aided Design II = <i>MCC Course - AET 151 Computer Aided Design Graphics</i>
11 th Grade	Culinary Management Robotics Program Fitness Instruction Basic Nursing Certification Early Childhood Education Digital Media Manufacturing Management	Accounting I	Multimedia +Computer Business Applications taken same year= <i>MCC Course- CDM 110 Computer Literacy</i>
12 th Grade	Automotive Intro to Emergency Services Criminal Intro to Emergency Services Fire Science Culinary Management Robotics Program Fitness Instruction Basic Nursing Certification Early Childhood Education Digital Media Manufacturing Management	Accounting II Honors Transition to College Math (095/099)	English IV Honors = <i>MCC 151 Composition I and 152 Composition II</i>

Partnership for College and Career Success (PCCS)

MCC's Partnership for College and Career Success program gives you a chance to start working on a professional certificate or associate's degree while you're still in high school. Statistically speaking, that means your job (and salary) prospects will be better when you graduate, plus, depending on the program, a lot of the classes are at no cost to you while you're still a student!

PCCS program can be taken as either articulated credit or dual credit:

Articulated Credit Courses

Courses are taught at your high school, and the credit you earn is "saved" or banked for you at MCC*. Check with your guidance counselor to see if your high school has an articulation agreement with MCC for any of the following courses:

- Automotive Technology
- Basic Accounting procedures
- Basic Technical Drafting
- Computer Literacy

- Introduction to Computer Aided Drafting (CAD)
- Introduction to Horticulture
- Type and Tech

- Financial Accounting
- Principles of Retailing/Marketing
- Topics I – Early Childhood Education

Credit is awarded after you successfully complete additional coursework at MCC.

Dual Credit Programs

With dual credit programs, you come to MCC during your regular school day to take classes, and the credit you earn counts toward your high school graduation requirements, and it also counts as college credit at MCC. These college credits may also transfer to other community colleges and four year schools. **A \$50 deposit is required at sign up which will be refunded when the course is completed and passed.**

The following is a list (link) of Dual Credit Programs offered at MCC:

- [Automotive Technology](#)
- [Criminal Justice](#)
- [Fire Science Technician](#)
- [Emergency Medical Technician](#)
- [Fitness Instructor Training](#)
- [Registered Nursing Program](#)
- [Culinary Management](#)
- [Early Childhood Education](#)

Running Start

Running Start is a program that enables eligible high school students to take college classes. Enroll in college classes for the purpose of earning both college and high school credit, or just college credit. All courses remain on your permanent college transcript.

Eligibility

This opportunity is available to individuals who demonstrate strong academic ability based on performance either inside or outside of the classroom (e.g., GPA, test scores, extra curricular activities)

Placement tests must have satisfactory scores to enroll in an English, Reading, or Math course or a course that requires one of these as a prerequisite. ACT scores of 21 or above in English and Reading waive placement tests for those subjects. Course prerequisites must be satisfied as identified in the McHenry County College catalog. The college has an academic standards policy requiring that students maintain a 2.0 "C" grade average.

Students must meet the following requirements:

1. No more than 10 days absent the previous year.
2. A cumulative GPA of 2.0 or above.

The Students will be responsible for the following:

1. Student will pay for his/her own book.
2. Students will be responsible for all or part of the cost of the course. See counselor for details.
3. If a student is removed due to lack of attendance, grades, or discipline, he/she will be responsible for the portion of the cost paid by the school district.

College in High School

College in High School is a program where classes are taught at select high schools for both high school and college credit. Currently, there are two CTHS classes offered at Harvard High School:

- ENG 151 (Composition I) taught at Harvard High School
- ENG 152 (Composition II) taught at Harvard High School

Each semester will receive college credit through MCC at no charge to the student

Requirements: Completion of English I, II & III and 21 on ACT English or a pass on the MCC English placement test

AUTOMOTIVE TECHNOLOGY (Fall) Grade 12 Credit – 1 Course# 080

Prerequisite: [GPA/Attendance](#) [\(index\)](#)

7am to 8:50am Monday - Thursday

Course Description	Course ID	Semester	Credits
Principals of Automotive Technology	AMT 100	Fall	4

Principals of Automotive Technology provides students with an introduction to the automotive industry. Students become acquainted with the major vehicle subsystems and components, identify their function and importance, and learn their service requirements. This general overview course covers shop safety, hazardous materials, basic physics principals, steering, chassis, suspension, brakes, internal combustion engines, electricity, drive train systems and basic diagnostics. The lab portion of this course offers hands-on experience that reinforces the theories and service procedures presented in the classroom. This course is the prerequisite to all other automotive courses. NOTE: Students are required to practice all rules of safety including, but not limited to, wearing safety glasses, jeans with no holes, cotton shirts and work boots. No jewelry of any kind may be worn in the lab. **Students will be expected to purchase the textbook(s).**

AUTOMOTIVE TECHNOLOGY (Spring) Grade 12 Credit – 1 Course# 081

[Prerequisite: GPA/Attendance](#) [\(index\)](#)

7am to 8:50am Monday - Thursday

Course Description	Course ID	Semester	Credits
Automotive Electricity Fundamentals	AMT 120	Spring	4

Automotive Electricity Fundamentals is designed to introduce students to basic electrical principles and their applications in automobiles. Topics include electron theory, digital multimeter use and circuit testing, Ohm's Law, magnetism, electromagnetism, induction, circuit types, chemical storage battery science, AC/DC motors and generators, and current/voltage regulation. Fundamental principles established in this course serve as the basis for many other related topics in subsequent course offerings. (1.2-Articulated) NOTE: Students are required to practice all rules of safety including, but not limited to, wearing safety glasses, jeans with no holes, cotton shirts and work boots. No jewelry of any kind may be worn in the lab. Students will be expected to purchase the textbook(s).

EMERGENCY SERVICES Grade 12 Credit 1- Spring Semester Course# 193

[Prerequisite: GPA/Attendance – 2nd Semester Seniors](#) [\(index\)](#)

Introduction to Emergency Services

7am to 8:50am Monday - Friday

Course Description	Course ID	Semester	Credits
Introduction to Emergency Services	FRS 100	Spring	2

This course is an overview of the training requirements, job responsibilities, and interactions in the fields of EMS, Fire Science, and Law Enforcement as they exist in today's society. This course will provide information to students considering a career in the field. Students will be expected to purchase the textbook(s).

First Responder Emergency Aid

Course Description	Course ID	Semester	Credits
First Responder Emergency Aid	EMS 105	Spring	3

The course is designed to instruct those interested in entering a profession in emergency services in the proper identification and treatment of emergency trauma and illness, with the primary aim of stabilizing victims and providing life support until emergency medical personnel arrive. Instruction includes physical assessment of the patient, CPR (Cardiopulmonary Resuscitation) bleeding control, management of shock, fracture care, recognition of medical illness, childbirth, and emergency movement of patients from hazardous situations. Lecture and practical lab experience are incorporated in the class. Students will be expected to purchase the textbook (s).

Criminal Justice

Course Description	Course ID	Semester	Credits
Introduction to Criminal Justice	CJS 101	Spring	3

An introduction to the philosophy of social control and the history of law and criminal justice. Causative factors and definitions relating to crime and criminality explored, and the criminal justice system identified, including the police, the courts, and correctional agencies, and the roles of each as they relate to the offender and society examine. Emphasis on the role of criminal justice and its relationship to society. Opportunities for a career in criminal justice also discussed. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Topics in Criminal Justice	CJS 290	Spring	2

Topics in Criminal Justice is a workshop-style course that discusses current criminal justice issues as they pertain to society and public policy, as well as the impact they have on the criminal justice system as a whole. Students will be expected to purchase the textbook(s).

Emergency Medical Technician

Course Description	Course ID	Semester	Credits
Introduction to Emergency Services	FRS 100	Spring	2

This course is an overview of the training requirements, job responsibilities, and interactions in the fields of EMS, Fire Science, and Law Enforcement as they exist in today's society. This course will provide information to students considering a career in the field. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
First Responder Emergency Aid	EMS 105	Spring	3

The course is designed to instruct those interested in entering a profession in emergency services in the proper identification and treatment of emergency trauma and illness, with the primary aim of stabilizing victims and providing life support until emergency medical personnel arrive. Instruction includes physical assessment of the patient, CPR (Cardiopulmonary Resuscitation) bleeding control, management of shock, fracture care, recognition of medical illness, childbirth, and emergency movement of patients from hazardous situations. Lecture and practical lab experience are incorporated in the class. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Introduction to Fire Science	FRS 101	Spring	3

This course will introduce the student to the field of fire protection, the history of the fire service and the roles and responsibilities of the fire service and the roles and responsibilities of the fire service in the community, including departmental functions and characteristics. Emphasis will be given to terms, theories, practices, equipment and hazardous materials. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Fire Science Internship	FRS 250	Spring	2

This course provides the student with an opportunity to apply and expand newly acquired skills in a traditional work environment. This course is carried out cooperatively between the student and the host facility. Periodic review sessions will be held to assess the student's progress, address problems and review appropriateness of work involvement. Participation will depend on the student's qualifications and facility restrictions. The student is responsible for obtaining NFPA compliant fire boots. **Note: Student will be required to submit proof of a recent (within 6 months) physical exam.**

EARLY CHILDHOOD EDUCATION Grade 11,12 Credit 1- Spring Semester Course# 369

Prerequisite: [GPA/Attendance](#) [\(index\)](#)

7am to 8:20am Monday - Thursday

Course Description	Course ID	Semester	Credits
Early Childhood Science and Math	ECE 219	Spring	3

This course is an introduction to the theory and practice related to the curriculum areas of science and math for children preK- 3rd grade. Emphasis is on the development and evaluation of developmentally appropriate science and math activities and materials that encourage young children to use their spontaneous interest in objects. Students will develop a repertoire of science and math activities. SCANS skills are included. This course meets on Tuesday & Thursday. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Early Childhood Music/Rhythmic Activities	ECE 209	Spring	3

This course will explore various music and rhythmic activities which can be used to provide enjoyable music experiences which are appropriate for young children. Students will build a working file of music activities as well as participate in a preschool setting. Musical skills and talents are not a prerequisite. SCAN skills are included. This course meets on Monday & Wednesday. Students will be expected to purchase the textbook(s).

FITNESS INSTRUCTOR TRAINING (Fall) Grade11,12 Credit 1- 1 Semester Course# 189

Prerequisite: [GPA/Attendance](#) [\(index\)](#)

7am to 8:30am Monday - Thursday

Course Description	Course ID	Semester	Credits
Exercise Science I	HFE 171	Fall	3

The study of theoretical aspects of the sciences associated with physical activity. Course content will examine the biological, anatomical, biomechanical and kinesiological concepts related to exercise. Students will explore the dynamics of the movement sciences and their application to human performance and functional training. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Fitness/Human Performance Professions	HFE 170	Fall	1

An introductory course which includes the general scope, purpose, history and development of professional opportunities in the fitness and human performance fields. Students will examine and explore career paths, national organizations and national certification examinations. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Strength and Conditioning Principles	HFE 176	Fall	2

The study of basic theory and application of resistance training principles. Conditioning programs will be developed to improve human and athletic performance. Emphasis will focus on plyometrics, speed development, Olympic lifts and designing sport specific training programs. Students will be expected to purchase the textbook(s).

FITNESS INSTRUCTOR TRAINING (Spring) Grade11,12 Credit 1- 1 Semester Course# 190

Prerequisite: [GPA/Attendance](#) [\(index\)](#)

7am to 8:30am Monday - Thursday

Course Description	Course ID	Semester	Credits
First Aid and CPR	HFE 151	Spring	2

First Aid and CPR is designed to provide opportunities to learn and practice basic first aid skills necessary to handle most home and job emergencies including child and adult choking, CPR, shock, neck-spinal injuries and others. Participants may earn CPR and First Aid certificates through the American Red Cross/CPR by successful completion of the course. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Strength Training I	HFE 121	Spring	1

Strength Training I is for students interested in beginning-level strength training concepts and exercises. They learn the five major muscle groups, their function and the primary exercise for each group in developing muscular strength, power, tone and endurance. Students will be expected to purchase the textbook(s).

Course Description	Course ID	Semester	Credits
Exercise Science II	HFE 271	Spring	3

Exercise Science II studies biological, physiological and biochemical sciences and their relationship to exercise. Students explore more in-depth exercise science principles and concepts associated with physical activity and human performance. Students will be expected to purchase the textbook(s)

NURSE ASSISTANT PROGRAM (Fall or Spring)Grade11,12 Credit 1- 1 Sem Course# 360

Prerequisite: [GPA/Attendance \(Read Below\)](#) [\(index\)](#)

7am to 8:50am Monday - Thursday

Course Description	Course ID	Semester	Credits
Basic Nurse Assistant Training	NAE 100	Fall or Spring	9

This course is designed to prepare the nurse assistant to aid the professional nurse in providing quality care in nursing homes, hospitals, homecare, and other health care settings. This program is approved, registered and regulated by the Illinois Department of Public Health (IDPH). Included are the development of basic nursing skills through lectures, laboratory demonstration, practice and clinical experience. These skills include, but are not limited to: taking vital signs, giving baths; making beds; performing pre-op and post-op care; administering range of motion exercises; assisting with personal hygiene; understanding and respecting patient's rights and dignity; methods of moving and transporting patients; safety and protective device use; infection control techniques and special treatments. The student will also be given the opportunity to learn cardio-pulmonary-resuscitation (CPR) technique. . A minimum theory grade of "C" (i.e.75%) and a clinical grade of "Pass" are required for successful completion of this course. Students successfully completing the BNA course are eligible to register for and take the Nurse Assistant/Home Health Aide Competency Exam. The Basic Nurse Assistant (BNA) course with a grade of "C" or higher, a valid criminal background check and successful completion of the Nurse Aide Competency Exam enables the student to be employed as a Certified Nurse Assistant (CNA). Students will be expected to purchase the textbook(s).

Prerequisite: Students enrolled must be 16 years old by the course completion date. Students must present proof of a physical exam (using MCC-approved documentation – see www.mchenry.edu/download/pdf/BNAMedical.pdf) indicating they are free of communicable diseases and have no restrictions that would interfere with their ability to perform the 48 hour clinical portion of the class in an area nursing home/hospital requiring moderate to heavy physical activities involved in patient care. Students must also have a 2 step Mantoux TB test. Physical exam and TB tests must be within the past three months and proof of both must be presented at the first class meeting. (TB test can be obtained at the McHenry County TB Clinic for a minimal charge (815-334-4500). A TB/physical form is available for student use.)

NOTE: Students must attend a 48-hour clinical experience in an area nursing home/hospital as part of the course. The dates and times of the required 48-hour clinical will differ from the scheduled theory hours. The clinical location, dates, times and instructor will be announced in class. Students must provide their own transportation to and from the clinical site.

NOTE: Criminal background checks are a condition of employment in this field. They will be conducted in compliance with SB 1544. Students are required to submit their social security numbers for the criminal background check.

NOTE: It is recommended that students be proficient in the English language equivalent to ESL level 6.

Prerequisite: [GPA/Attendance \(Read Below\)](#) [\(index\)](#)

Uniforms, knives (\$145 -\$175) and textbooks are paid for by the student

7am to 9:20am Monday - Friday

Course Description	Course ID	Semester	Credits
Culinary Skills I	CLM 101	Fall	7

Culinary Skills I introduces students to a commercial kitchen. They learn how to handle knives safely and effectively; identify, operate and maintain kitchen equipment; evaluate recipes and make successful conversions; identify various spices and herbs and cook with them; and identify and demonstrate proper cooking methods. (1.2-Articulated) NOT E: MCC chef's uniform (coat, pants and shoes) is required for this course.

Course Description	Course ID	Semester	Credits
Culinary Skills II	CLM 102	Spring	7

Culinary Skills II is a continuation of Culinary Skills I. It teaches students how to prepare stocks, soups and sauces; identify and cook vegetables; identify and understand the role of starches; identify fruits; cook eggs and other breakfast foods; and prepare hot and cold sandwiches. The course also emphasizes employability and presentation skills. (1.2-Articulated) NOTE: MCC chef's uniform (coat, pants and shoes) is required for this course.

Career and Technical Education

The Vocational Education Department of Harvard High School, realize the significance of the trades and crafts in a changing society and the development of the individual who wants to satisfy home maintenance skills. It is our intention to provide exploration, training skills, and educational experiences, which will help in the planning and selection of a career. Students will be exposed to a better understanding of various occupations.

The students will be introduce to proper habits, attitudes, technical knowledge, safety, job judgment, the "dignity of work" and understandings which contribute to the success of a worker.

Career and Technical Education Pathway <i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i>		
		Advanced Option
9th Grade	*Drafting *Woods I *Metals	
10th Grade	*Drafting *Housing and interior Design *Woods I Woods II *Electricity *Construction Build Trades I *Metals	*Computer Aided Design I or II
11th Grade	* Drafting *Computer Aided Design I or II *Housing and interior Design *Woods I Woods II or III *Electricity *Construction Build Trades I *Metals *Welding Manufacturing Occupations I *Computer Aided Design I or II	*Construction Build Trades II *Architectural Drafting
12th Grade	* Drafting *Computer Aided Design I or II *Housing and interior Design Woods II or III *Electricity *Welding Manufacturing Occupations II	*Construction Build Trades III *Architectural Drafting

WOODS I	Grade 9,10,11	Credit .5 1 Semester	Course# 503
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Prerequisite: [Drafting](#) [\(index\)](#)

This course is an orientation to safety and occupations related to woodworking, construction and building trades and will expose students to basic woodworking tools, techniques, and materials. Introductory units of study will include: selecting and identifying materials, calculation of materials and cost estimation, creating and following a simple plan of procedure, measuring and layout, safe use of hand/power tools, and surface preparation/finishing. Students will acquire basic skills through hands-on projects and related lab activities. **Students will be required to pay for the projects they construct.**

METALS I	Grade 9,10,11	Credit .5 - 1 Semester	Course# 505
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Prerequisite: [Drafting or Concurrent Drafting](#) [\(index\)](#)

Projects in sheet metal, bandiron and rod are used to teach the student the fundamentals. The student will do some drawing as well as such operations as layout, drilling, punching, braking, rolling, spot welding, riveting and soldering. As the student makes a project he or she will also learn the use of different tools and develop skills that can be applied in an occupation. -

ELECTRICITY/ELECTRONICS I	Grade 10,11,12	Credit .5 - 1 Semester	Course# 506
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Prerequisite: [Drafting or Concurrent Drafting](#) [\(index\)](#)

This course includes project work and a study of the nature of electricity. The student will make electrical hook ups, a "Steady Hand Game", a Two-Pole motor and various lab assignments. The student will learn about Ohms Law, basic electrical circuits, using magnetism, electricity in the home, and the operation of AC and DC.

DRAFTING	Grade 9,10,11	Credit .5 - 1 Semester	Course# 501
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Prerequisite: [None](#) [\(index\)](#)

An introductory course in mechanical drawing that is designed primarily for the student with no previous drafting experience. The course materials are structured to give students a solid background in drafting fundamentals that can be utilized and further developed in future drafting courses. In addition, this course provides a firm foundation for students taking any other course in the CTE program. This course includes the basic techniques of lettering, geometric constructions, multi-view drawings, techniques of dimensioning, sectional views, auxiliary views, and pictorial drawings. The student will finish this course with the ability to apply drafting and sketching concepts to real life situations.

COMPUTER AIDED DESIGN I (CAD I)	Grade 10,11,12	Credit .5 - Sem 1	Course# 515
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Prerequisite: [Drafting I](#) [\(index\)](#)

Computer Aided Design and Drafting I introduces students to the operation of a typical computer aided design (CAD) and graphics system. Content includes CAD graphic commands and proper manipulation of CAD software and hardware to produce technical drawings. Emphasis is placed on developing entry-level 2D CAD user skills using the latest version of the AutoCAD software package.

COMPUTER AIDED DESIGN II (CAD II) Grade 10,11,12 Credit .5 - Sem 2 Course# 516

Prerequisite: [Drafting I and CAD I \(index\)](#)

CAD II introduces students in greater depth to the operation of a typical computer aided design (CAD) and graphics system. Content includes learning additional CAD graphic commands and proper manipulation of CAD software and hardware to produce technical drawings. Emphasis is placed on developing entry-level 2D CAD user skills using the latest version of the AutoCAD software package. Successful completion of this course earns students dual credit with MCC.

ARCHITECTURAL DRAFTING Grade 10,11,12 Credit 1 - Sem 2 Course# 508

Prerequisite: [Drafting I and CAD I \(index\)](#)

This course introduces the field of architecture. Students will study different types of design and will draw a floor plan, elevations, wall sections, kitchen detail, and foundation plans. This course acquaints students with current technical knowledge and occupational opportunities as an architect including interior design and urban design. Work will be done on a CADD (Computer Aided Drafting) system.

**HOUSING
AND INTERIOR DESIGN Grade 9,10,11,12 Credit .5 Semesters 1 Course# 507**

Prerequisite: [Drafting I \(index\)](#)

Housing and Interior Design addresses selecting and planning living environments to meet the needs and wants of individuals and families. Economic, social, cultural, technological, environmental, and aesthetic factors are considered. The project-based class approach in this course utilizes higher order thinking, communication, leadership and management processes to integrate housing and interior design content. Topics to be studied include: housing styles, locations, restrictions and ownership options; contemporary housing issues; environmental and energy issues; impacts of technology; housing to meet special needs; elements and principles of design related to interiors, housing and architecture; creating functional, safe and aesthetic settings; historical aspects; color theory; material; contemporary trends in housing, interiors, furniture, and appliances and exploration of housing-related careers. Direct and clean applications of projects are encouraged.

WOODS II Grade 10,11,12 Credit 1 - 2 Semesters Course# 510, 511

Prerequisite: [Woods I and Drafting I \(index\)](#)

In this course, students will have the opportunity to improve and refine skills acquired in Woods I. Students will fabricate various projects requiring knowledge and skills in the following areas: Planning and designing, wood technology, calculation of materials and cost estimation, safe practices, wood joinery, glues and clamping, preparing for and applying finishes. Skills and techniques emphasized in this course will aid those who are interested in the furniture and building trades industries. Proper use of hand and power tools and safety techniques are emphasized throughout. **Students are required to pay for all of their projects.**

WOODS III	Grade 11,12	Credit 1 - 2 Semesters	Course# 524,525
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Prerequisite: Woods II ([index](#))

Woods III is a course which allows the students to develop a more intricate knowledge of the woodworking industry and expose them to a wide variety of experiences related to the woodworking section of the construction business. What separates this course from the previous woods courses is that students will be making projects for clients. Students will design, draw plans, develop a plan of procedure, and construct projects as a group for a variety of clients. They will have the opportunity to learn how to work cooperatively in order to achieve a completed product. Units of study will include more advanced wood technology; tool safety, maintenance, and use; identifying and creating a variety of wood joints; designing and making jigs; and working with clients. Examples of projects include: standardized cabinetry, tables/desks, chairs, and book cases.

MANUFACTURING OCCUPATION I	Grade 11,12	Credit .5 - 1 Semester	Course# 512,513
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Prerequisite: Metals I ([index](#))

This course is designed to help the student determine his/her level of interest in machine-shop work or Interrelated Occupations as his/her career. He/she completes projects and learns the use of the following machine tools. Combined with Manufacturing Occupations II, the coursework provides the student with a strong foundation for machine-shop work over the course of a single year of study.

- | | |
|-------------------------|------------------------------|
| 1. Milling machine work | 4. Sheet Metal Work |
| 2. Lathe work | 5. Heat treatment |
| 3. Forging | 6. Blueprint and layout work |

MANUFACTURING OCCUPATIONS II	Grade 12	Credit .5 - 1 Semester	Course# 519,520
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Prerequisite: Manufacturing Occupations I ([index](#))

This course continues on where Manufacturing Occupations I ends, by providing the student with the ability to refine his/her skills on handwork, the lathe, the vertical milling machine, the horizontal milling machine, the shaper, the drill press and the grinder. The student will be calculating feeds and speeds of machines, learning to read drawings and perform shop mathematics. The student will plan work and learn good safety procedures. Each student will have an opportunity to practice many operations on machines and learn other skills while completing projects. The student may work at his/her own level of ability and learn technical information related to the metalworking field.

WELDING I	Grade 11,12	Credit .5 - 1 Semester	Course# 514
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Prerequisite: Metals I ([index](#))

- Goals: To provide students with instruction in arc and oxy acetylene welding to allow students to:
1. Develop skills in identifying welding and equipment;
 2. Learn to use and become proficient in the use of the arc welder and the acetylene welding torch;
 3. Learn to weld in off positions;
 4. Learn to identify and use various electrodes, welding rods, and welding fluxes;
 5. Construct a welded project, if other requirements are met.
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CONSTRUCTION

& BUILDING TRADES I Grade 10,11 Credit .5 - 1 Semester Course# 521

Prerequisite: [Drafting or Concurrent Drafting \(index\)](#)

This course will provide the background knowledge necessary to construct a residential home. It will cover; excavation, layout, foundation, floor framing, wall framing, roof framing, installation of windows/doors, interior walls, stairs, interior/exterior trim, siding, floor covering, safety procedures, and other elements that go along with the construction of a house. The students will gain general knowledge and information about the construction of a house in preparation for the building trades class. Students will be given hands-on experience using the power tools common in the construction trades.

CONSTRUCTION

& BUILDING TRADES II Grade 11,12 Credit 2.5 - 2 Semester Course# 522,523

Prerequisite: [Construction and Building Trades I \(index\)](#)

This course is designed for Junior and Senior students who have a definite desire to pursue one of the various types of careers involved in the construction industry. The class will run for 2 consecutive years so that these students may experience as many different phases of construction as possible. Class is two periods in the fall semester and three periods in the spring semester. This class will be worth 2.5 credit hours per year. While doing this, the students will experience the areas listed below.

Students Will Actually Do These Procedures

Layout and Staking
Floor, Wall, and Roof Framing
Roofing
Windows and Exterior Doors
Exterior Wall Finish
Insulation
Interior Wall and Ceiling
Interior painting
Finish Floor
Stair Construction
Doors and Interior Trim
Cabinet Installation

Student Will Help and Observe These Procedures

Excavation of Site
Concrete
Plumbing and Heating
Electrical

CONSTRUCTION

& BUILDING TRADES III Grade 11,12 Credit 2.5 - 2 Semester Course# 522,523

Prerequisite: [Construction and Building Trades II \(index\)](#)

Construction and Building Trades is a three-year program designed to expose the student to all aspects of the building industry through the construction/renovation of a home or advanced simulation. While the goal of the program is not to develop qualified personnel in any one particular trade, students will develop fundamental skills in the areas of carpentry, electrical, plumbing, heating, masonry, concrete, and painting. In each area the student will develop skills in the use of hand and power tools, material estimation, blueprint reading, and the ability to apply safe engineering techniques and practices.

MATHEMATICS

Freshman Placement

Incoming freshmen will be placed into Algebra I Integrated Mathematics based upon their performance in the middle grades. The junior high school staff assists in placement decisions.

Honors Classes

The mathematics department offers four honors courses. Honors Pre-Calculus with Trigonometry is recommended for students that have completed Integrated Mathematics I, II, and III or Algebra 1, Geometry, and Algebra 2 with at least a 70% or better average. Advanced Placement Calculus AB is recommended for students that have completed Honors Pre-Calculus with Trigonometry with at least a 70% or better average. These courses are designed to prepare students to study advanced mathematics at the college level.

Calculators

Applications of technology tools are stressed in each mathematics course at the high school. A Texas Instruments graphing calculator (Model TI-84) is provided in courses offered through the mathematics department for classroom use. These calculators are not available for home use. The Chromebook offers applications that simulate a graphing calculator so that students may work with technology tools to complete work as needed outside of school. It is highly recommended that students enrolled in Integrated Mathematics III and higher level college preparatory mathematics courses have their own Texas Instruments graphing calculator for use at home.

Math Pathway

One Semester Course - *
 Weighted-Honors, AP
 Credits Required for Graduation 3
 Graduating class year italicized

		Advanced Option
9th Grade	Algebra I <i>(Class of 2022 and beyond)</i>	Integrated Mathematics II <i>(Class of 2022)</i> Geometry Honors <i>(Class of 2023 and beyond)</i> AP Computer Science Principles <i>(Math elective)</i>
10th Grade	Geometry <i>(Class of 2022 and beyond)</i> Intermediate Algebra <i>(2021 and beyond)</i> Integrated Mathematics II <i>(Class of 2021)</i>	Geometry Honors <i>(class of 2023 and beyond)</i> Algebra II Honors <i>(Class of 2023 and beyond)</i> Integrated Math III <i>(Class of 2022)</i> AP Computer Science Principles <i>(Math elective)</i>
11th Grade	Algebra II <i>(Class of 2022 and beyond)</i> Geometry <i>(Class of 2022 and beyond)</i> Math III <i>(Class of 2020)</i> Intermediate Algebra <i>(Class of 2020,2021)</i>	Pre-Calculus with Trigonometry Honors AP Computer Science Principles <i>(Math elective)</i>
12th Grade	Advanced Application in Math Transition to College Math Intermediate Algebra <i>(Class of 2019)</i> Algebra II <i>(Class of 2022 and beyond)</i>	AP Calculus AB Pre-Calculus with Trigonometry Honors AP Computer Science Principles <i>(Math elective)</i>

Algebra 1 (2022)	Grade 9,10	Credit 1 - 2 Semesters	Course# 544, 545
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Prerequisite: [Math Placement](#) [\(index\)](#)

Algebra 1 is devoted to the study of the number system. Topics studied include: number sequences, solving equations with variables and exponents, factoring polynomials, and graphing equations and linear functions. Vocabulary and mathematical processes are stressed. It is highly recommended that the students have their own graphing calculator. Class meets on the block.

Geometry (2022)	Grade 9,10,11,12	Credit 1 - 2 Semesters	Course# 558, 559
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Prerequisite: [Algebra 1](#) [\(index\)](#)

Geometry is devoted to the study of two and three-dimensional figures and their applications. Students learn these concepts through projects, hands-on activities, and lecture presentations.

*Geometry Honors (2022)	Grade 9,10,11,12	Credit 1 - 2 Semesters	Course# 556, 557
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Prerequisite: [Algebra 1](#) [\(index\)](#)

Honors Geometry is devoted to the study of the development and the application of two-dimensional and three-dimensional figures. This course covers much of the same material as a regular geometry course but in more detail and depth. Projects and hands-on activities will be emphasized. *Weighted grade.

Intermediate Algebra (2021)	Grade 10,11,12	Credit 1 - 2 Semesters	Course# 574I,575I
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Prerequisite: [Algebra 1](#) [\(index\)](#)

This course is designed to provide continued work with algebraic concepts. The content includes formulas, equations, graphing, and factoring. Placement is only available through staff recommendation.

Algebra 2 (2022)	Grade 10,11,12	Credit 1 - 2 Semesters	Course# 562, 563
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Prerequisite: [Algebra 1 & Geometry](#) [\(index\)](#)

Algebra 2 extends the basic knowledge of Algebra 1 into new areas, which include: rational expressions and equations, exponents, roots, complex numbers, quadratic functions, transformations, and exponential equations. Logarithms, matrices, and probability may be discussed. It is highly recommended that the students have their own graphing calculator.

*Algebra 2 Honors (2022)	Grade 10,11	Credit 1 - 2 Semesters	Course# 560,561
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Prerequisite: [Geometry with a C or better](#) [\(index\)](#)

Honors Algebra 2 is devoted to the study of many of the topics developed in Algebra 1 but in more depth. Much of the time is devoted to the study of the different types of functions and their applications. The use of the graphing calculator is emphasized and serves an important tool in the completion of various algebraic problems. It is highly recommended that each student supply his/her own graphing calculator. * Weighted grade.

Integrated Mathematics III Grade 11,12 Credit 2 Semesters Course# 534,535

Prerequisite: [Math Placement](#) [\(index\)](#)

The fundamental purpose of *Integrated Mathematics III* is to blend all critical areas of mathematics students have learned through advanced modeling applications. The core units include: statistical analysis, polynomial relationships, rational and radical equations and functions, trigonometric models, trigonometric equations and identities, geometric constructions, and mathematical modeling. This course aligns with the Common Core State Standards and assessments.

Transition to College Math Grade 12 Credit 1 Semesters 2 Course# 574TC,575TC

Prerequisite: [\(index\)](#)

In addition to topics covered in Introduction to College Math, this course covers advanced factoring, rational expressions and functions, radical expressions and functions, and logarithms. It is aligned with both MAT 095 and MAT 099 at McHenry County College and students can potentially earn articulated placement if they maintain at least a C- or better both semesters.

***PRECALCULUS**

WITH TRIGONOMETRY HONORS Grade 11,12 Credit 1 - 2 Sem Course# 566,567

Prerequisite: [Algebra II](#) [\(index\)](#)

Pre-calculus with Trigonometry Honors will cover topics which include: optimization and rate of change, as well as, various functions (linear, quadratic, polynomial, rational, exponential, logarithmic, inequalities, and absolute value) and their graphs. Students will learn to solve these functions both algebraically and graphically. Trigonometric functions, the identities and laws, will be studied extensively in the 2nd semester. The graphing calculator is used extensively throughout the course. * Weighted grade.

***AP Computer Science Principles Grade 9,10, 11,12 Credit 1 - 2 Sem Course# 594,595**

Prerequisite: [Algebra I](#) [\(index\)](#)

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles (AP CSP) also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. <https://apcentral.collegeboard.org/pdf/ap-computer-science-principles-course-overview.pdf?course=ap-computer-science-principles>.

Students who enroll in this course are expected to pay for and take the Advanced Placement Exam in May.

AP CALCULUS AB Grade 11,12 Credit 1 - 2 Semesters Course# 578,579

Prerequisite: [Pre-calculus with Trigonometry Honors](#) [\(index\)](#)

This course covers both differential and integral calculus. Topics of study: limits, continuity, tangent lines, rates of change, differentiation rules, related rates, extreme values, maximums, minimums, optimization, asymptotes, dominant terms, area between curves, and integration rules. The graphing calculator is used extensively throughout the course; therefore, it is required that the students have their own graphing calculator. Students who enroll in this course are expected to pay for and take the Advanced Placement Exam in May. *Weighted grade.

ADVANCED

APPLICATIONS IN MATH Grade 12 Credit 1 - 2 Semesters Course# 572,573

Prerequisite: [3 Credits in math](#) [\(index\)](#)

This may be taken concurrently with Integrated Mathematics III or any higher-level mathematics course. Advanced Applications of Mathematics is devoted to the applications of a variety of mathematic concepts to real life situations and hands-on experiments. Topics studied include concepts from algebra, geometry and trigonometry. Graphing calculators are required at this level.

MUSIC

Music, as a universal language, is a basic expression of human beings. Music provides opportunities for and expression of feeling, a discovery of what the self is like, and builds bridges of understanding, respect, an appreciation between individuals and groups in ways that no other part of the educational experience can duplicate. Every child should have the opportunity to explore and develop his/her abilities to perform, create, listen, and understand music.

Music Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i>		
		Advanced Option
9th Grade	Concert Band Concert Choir Guitar I, II Piano I, II	Symphonic Band Advanced Choir
10th Grade	Concert Band Concert Choir Music Appreciation Jazz Band Guitar I, II Piano I, II	Symphonic Band Advanced Choir Music Theory Adv. Study in Music Education Vocal Ensemble
11th Grade	Concert Band Concert Choir Music Appreciation Jazz Band Guitar I, II Piano I, II	Symphonic Band Advanced Choir *Music Theory I *Music Theory II Adv. Study in Music Education Vocal Ensemble
12th Grade	Concert Band Concert Choir Music Appreciation Jazz Band Vocal Ensemble Guitar I, II Piano I, II	Symphonic Band Advanced Choir *Music Theory I *Music Theory II Adv. Study in Music Education

CONCERT BAND Grade 9,10,11,12 Credit 1 - 2 Semesters Course# 602,603

Prerequisite: [Previous enrollment or director permission \(index\)](#)

The concert band aims to develop understanding and appreciation of the musical art form through the performance of quality band literature. Students will have not only the aesthetic experience of making music, but also the rewards intrinsic to any type of performance. In addition to the study of band literature students will learn major and chromatic scales, arpeggios, rhythmic exercises, and sight-reading. Concert Band occupies a unique "co-curricular" status in that classroom experience and outside school activities are mixed and inseparable. An active performance schedule is maintained which includes concerts, contests, athletic events, and parades. All band members are required to participate in Hornet Marching Band and Pep Band. Students will be graded on positive individual and group participation. Students enrolling in the program must enroll for an entire year or receive the consent of the instructor to drop/add the class.

SYMPHONIC BAND Grade 10,11,12 Credit 1- 2

Prerequisite: [Admission to this class is by audition only \(index\)](#)

The symphonic band is an auditioned group that aims to develop understanding and appreciation of the musical art form through the performance of quality band literature. Students will audition for this ensemble in the spring of the previous year for admission into the Symphonic Band. Students will have not only the aesthetic experience of making music, but also the rewards intrinsic to any type of performance. In addition to the study of band literature students will learn major, minor and chromatic scales, arpeggios, rhythmic exercises, and sight-reading. Band occupies a unique "co-curricular" status in that classroom experience and outside school activities are mixed and inseparable. An active performance schedule is maintained which includes concerts, contests, athletic events, and parades. All band members are required to participate in Hornet Marching Band and Pep Band. Students will be graded on positive individual and group participation. Students enrolling in the program must enroll for an entire year or receive the consent of the instructor to drop/add the class.

CONCERT CHOIR Grade 9,10,11,12 Credit 1 - 2 Semesters Course# 606,607

Prerequisite: [None \(index\)](#)

All students are eligible for membership. The choral program attempts to develop appreciation and understanding of choral music through the performance of quality choral literature from all periods of music. Members are required to attend all rehearsals, concerts, and public performances. The members of the choir will study fundamentals of proper choral singing such as breathing, note reading, tone production, and sight singing. Students will also be taught fundamental cognitive skills such as basic terminology, key signatures, note dictation, rhythm dictation, and interval identification. Students receive a grade based on performance and cognitive skills. Students enrolling in the program must enroll for an entire year or receive the consent of the instructor to drop/add the class.

ADVANCED CHOIR Grade 10,11,12 Credit 1 - 2 Semesters Course# 618,619

Prerequisite: [Admission to this class is by audition only \(index\)](#)

Sophomore, Junior, and Senior students are eligible for membership. The choral program attempts to develop a deep appreciation and understanding of choral music through the performance of challenging, quality choral literature from all periods of music. Members are required to attend all rehearsals, concerts, and public performances. The members of the ensemble will continue to develop proper singing techniques, sight singing, and ability to manipulate their sound in order to blend and balance as a choir. Students will utilize the fundamental cognitive skills learned in Concert Choir such as music terminology, key signatures, melodic dictation. Students receive a grade based on performance, practice, and cognitive skills. Students enrolling in the program must enroll for an entire year or receive the consent of the instructor to drop/add the class.

MUSIC

APPRECIATION (Even Years) Grade 10,11,12 Credit 1 - 2 Semesters Course# 610,611

Prerequisite: [None \(index\)](#)

During the first semester students will be exposed to the history of rock and roll dating back to the beginning of its origin through modern day groups. The students will discuss the different components of music that make a particular musical work interesting to the listener. Through the study of this music we will discover why a specific kind of music may be important to a certain generation or culture. During the second semester students will be exposed to the technologies involved in creating musical works. Students will be required to complete listening and written assignments. Attending a set amount of music concerts will be required of all students.

MUSIC THEORY I (Odd Years) Grade 10,11,12 Credit .5- 1 Semesters Course# 612

Prerequisite: [None \(index\)](#)

Music Theory I is an introduction to the fundamentals and rudiments of music notation, rhythm, scales, chords, and other musical materials. It is the introductory study of musical parameters, with an emphasis on melody, phrase structure, rhythm and texture, basic diatonic harmony, part writing and analysis. The course includes the development of proficiency in ear training, sight singing, and dictation. This course prepares students for the advanced placement examination in April.

MUSIC THEORY II (Odd Years) Grade 10,11,12 Credit .5- 1 Semesters Course# 613

Prerequisite: [Music Theory I \(index\)](#)

Music Theory II is a continuation of Music Theory I. The course will provide a completion of diatonic harmony. This course will also provide an introduction to chromaticism and chromatic harmony. These would include secondary functions and modulations to closely related keys, binary and ternary forms. Course work also includes part writing and formal analysis. Students in this course will take the advanced placement examination in April.

ADVANCED STUDY IN MUSIC EDUCATION**INDEPENDENT STUDY Grade 10,11,12 Credit 1- 2 Semesters Course# 614,615**

Prerequisite: Approval of instructor (May be repeated another year) (index)

Students with instructor and administrative approval, may enter into a program of study that deals with a specific phase of the music curriculum. Studies of this type are usually special interest orientated and subject to a mutually agreed upon contractual agreement between educator and student. This course will be offered in the mornings and in the evenings at Harvard High School under the direction of the choral and band directors. Students will meet one on one and learn the proper techniques, history, theory, and performance techniques obtained throughout the year. Students will be expected to go through the jury procedure at the conclusion of each semester (which will incorporate expected/appropriate repertoire, aural skills, rhythm reading, and questioning from the "jury").

JAZZ BAND Grade 10,11,12 Credit 1- 2 Semesters Course# 604,605

Prerequisite: Approval of instructor (index)

Instruction in standard jazz repertoire is offered as well as more advanced contemporary compositions including those exploring unusual meters and metric changes and non-conventional formal structures. Performances on various occasions is anticipated and encouraged. Students will study how music interrelates with the other arts. In most cases, membership in concert band is required.

VOCAL ENSEMBLE Grade 9,10,11,12 Credit 1- 2 Semesters Course# 620,621

Prerequisite: Approval of instructor (index)

Singers are selected for their vocal ability and performance capabilities through the audition process. In most cases, membership in concert choir is required. In the fall, musicians will study the Renaissance period and prepare to present a full Madrigal Dinner in December. In the spring, a wide variety of literature is studied, ranging from musical theatre to popular/jazz styling. This ensemble is performance orientated and attendance is required for all performances.

GUITAR I and II Grade 9,10,11,12 Credit 1- 2 Semesters Course# 622,623

Prerequisite: None (index)

Guitar I is designed to give students the basic knowledge of guitar techniques. Upon completion of this course, the students will be able to read and identify notes, play scales, arpeggios, basic melodies and chords on guitar. Students will also learn basic music theory. Students will receive a grade on individual and class participation and will be required to perform on their guitar in class.

Guitar II is a continuation of Guitar I. This class will continue the study of the skills and techniques necessary to play guitar. Students will expand their knowledge of note reading and identification, scales, and arpeggios in order to play more complex melodies and chords. Students will also continue learning music theory skills. Students will receive a grade on individual and class participation and be required to perform on their guitars in class.

Prerequisite: None [\(index\)](#)

Piano I is designed to teach students the basic tools for playing the piano including different hand positions, finger numbering, playing technique, and note position in order to play simple melodies, chord progressions, and solo pieces. Students will learn basic music theory such as note names, rhythms, key signatures and time signatures while demonstrating their ability to play using dynamics and other expressive musical qualities. Students will be required to play the piano in class and will perform and collaborate with other students in the class. Students will receive a grade based on their performances, class participation, and growth throughout the semester.

Piano II is designed as a continuation of Piano I. Students will continue to learn piano playing techniques on a more advanced level. Students will learn more advanced theory, including chords, chord progressions, and modulations while utilizing more detailed performance techniques, including more advanced musical expressive tools, and how to utilize a damper pedal. Finally, students will use their combined and continuing musical knowledge to play more advanced melodies, chord progressions, and solo pieces. Students will be required to play the piano in class and will have the opportunity to perform and collaborate with other students in the class. Students will receive a grade based on their performances, class participation, and growth throughout the semester.

PHYSICAL EDUCATION

The Harvard Physical Education Department is designed to provide each student with the opportunity to develop fitness, goal setting skills, knowledge, physical skill, and social interaction, through the following curriculum development:

Freshman and sophomore classes will participate and experience a wide variety of individual and team activities such as softball, soccer, floor hockey, pickleball, basketball, ultimate frisbee, lacrosse, speedball and badminton. Students will be exposed to fitness concepts such as FITT to facilitate an understanding of cardiovascular endurance; strength and flexibility.

Juniors and seniors, will also participate and experience a variety of individual and team activities such as softball, soccer, floor hockey, rugby, volleyball, flag football, badminton, speedball, ultimate frisbee and will have the opportunity to participate in golf and transport out to the local bowling alley for a unit in bowling. Juniors and Seniors will continue to gain knowledge and understanding in the areas of cardiovascular fitness, including the concepts of FITT, strength, and flexibility.

All grade levels will have the use of the weight room while learning the proper lifting and spotting techniques.

GENERAL GOALS

Students in the Physical Education Department will:

1. Record and improve their level of fitness, which will be tested by the Fitnessgram©.
2. Know the name and location of major muscle groups and their functions.
3. Understand the difference between aerobic and anaerobic activities as well as understand the part each plays in cardiovascular fitness.
4. Know the basic rules, strategies and skills for a variety of individual and team activities.

Physical Education Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation - Bold</i>		
		Advanced Option
9th Grade	PE 9&10 Driver Education (Age Determined)	Strength and Conditioning
10 th Grade	PE 9&10 Health Driver Education	Strength and Conditioning
11 th Grade	PE 11&12	Strength and Conditioning Officiating Football Officiating Volleyball Officiating Wrestling Officiating Basketball
12 th Grade	PE 11&12	Strength and Conditioning Officiating Football Officiating Volleyball Officiating Wrestling Officiating Basketball

OFFICIATING/PE Grade 11,12 Credit .5 - 9 weeks Course# 671,672,673,674,680

Prerequisite: None [\(index\)](#)

An officiating class will be offered for juniors and seniors to provide the opportunity to become IHSA certificated to officiate various sports, possibilities include; football, volleyball, basketball, wrestling, softball and baseball. Each class will last for a 9 week period and will run concurrent with the sports in season. Volleyball, wrestling will be offered even years. Basketball, softball/baseball and football odd years. Students will gain knowledge of IHSA rules of the particular sport by participating in the studied activity, perform multiple hours of observation of actual events, participate in clinical experience in organized activities such as officiating in physical education class and inter and intra school scrimmages. Attend lectures by guest speakers to develop a more in depth understanding of the sport, responsibilities and challenges of being a licensed official. Students will have the opportunity at the conclusion of the class to become certified in the sport and receive an IHSA license (must be 17 to become state certified, state fee for certification is \$25.00).

STRENGTH and CONDITIONING Grade 9, 10, 11,12 Credit .5 Course# 688, 689

Prerequisite: None non-exempt course [\(index\)](#)

The goal of the Strength & Conditioning class is to deliver a fitness program that offers a longer duration and more intense strength training experience with less emphasis in the area of game type activities. The primary goal is for every student to understand the importance of resistance training that could benefit life-long fitness and wellness. Students will learn advanced techniques and strategies to enhance their overall fitness goals. Load and intensity will be scaled for each individual. The course would allow students to reach strength and fitness goals as well as gain knowledge that will allow students to pursue fitness goals successfully throughout their lifetime. Students enrolled cannot exempt out of this course.

SCIENCE

The overall objective of the science curriculum is to increase knowledge within fields of science and develop laboratory and critical thinking skills. Three units of credit in laboratory science are required for graduation. Beginning with the class of 2021, the three science requirements must be satisfied by completing ESPS (earth science/physical science), Chemistry I and Biology I. During junior and senior years, students in advanced track are encouraged to take electives while concurrently enrolled in Biology I. Safety goggles, aprons and gloves are provided. Breakage costs are prorated

Science Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Required Course for Graduation - Bold</i> <i>Science Credits Required for Graduation 3</i>		
		Advanced Option
9th Grade	ESPS	
10 th Grade	Chemistry I	
11 th Grade	Biology I *Forensics Biological *Forensics Physical	Chemistry II Honors Physics Honors
12 th Grade	*Forensics Biological *Forensics Physical	Chemistry II Honors Biology II Honors Human Anatomy & Physiology Honors Physics Honors

ESPS Earth and Physical Science Grade 9 Credit 1 – 2 Semesters Course# 700,701
 Prerequisite: None [\(index\)](#)

This course integrates earth and physical sciences to provide students with a well-rounded science foundation. The course will offer a wide spectrum of scientific concepts, terminology, and laboratory practices to prepare students for future science courses. Themes found within each unit include science process skills, motion, force, energy, and the Earth. Units may include matter and its changes, electricity and magnetism, Earth's structures and water, waves, as well as matter and motion in the universe.

NATURAL RESOURCES **Grade 10,11,12** **Credit .5 – 1 Semesters** **Course# 8**

Prerequisite: [Agricultural Science, ESPS, or Biology I \(index\)](#)

This course explores the world of natural resources, their management and conservation. Topics covered include the importance of natural resources, ecology, wildlife management and conservation; forestry management and conservation; managing wild fish populations, and exploring outdoor recreational enterprises. Conservation will be a primary focus of the course and students will develop long-range conservation plans based on the needs of an area.

BIOLOGY I **Grade 11** **Credit 1 – 2 Semesters** **Course# 712I,713I**

Prerequisite: [None \(index\)](#)

Throughout this college preparatory laboratory course various biological sciences are studied. Units of study focus on the structure, function, and processes of the cell, inheritance and variation of traits, natural selection and evolution, interdependent relationships of organisms and ecosystems, and matter and energy. Various laboratory techniques, including the microscope, collecting and analyzing data, and the formal lab report write up will be used extensively throughout the year. Biology is a prerequisite for many advanced level science courses.

CHEMISTRY I **Grade 10** **Credit 1 – 2 Semesters** **Course# 702I,703I**

Prerequisite: [ESPS \(index\)](#)

This inquiry – based college preparatory course requires, group work, research projects, oral presentations, and laboratory experiments. Students will learn scientific terms and problem-solving skills. The following topics will be addressed: the metric system, energy, density, elements and symbols, structure of the atom, periodic table, chemical bonding, chemical equations, stoichiometry, and specific heat.

PHYSICS HONORS **Grade 11,12** **Credit 1 – 2 Semesters** **Course# 720,721**

Prerequisite: [Concurrent Algebra II, Algebra II Honors \(index\)](#)

This inquiry – based college preparatory course is designed to allow students to think in the realms of scientific facts and laws. Emphasis is placed on solving problems using scientific facts and laws combined with mathematics. Students will use the knowledge they gain to explain real life situations. A strong emphasis will be placed on graphing, problems solving skills, and critical thinking. This class is designed to prepare students for what they will see in college level physics, but will maintain the pace of a high school course. Specific materials covered include kinematics, vectors, forces, work, energy, waves, heat, light, electricity, and magnetism. *Weighted grade.

BIOLOGY II HONORS **Grade 12** **Credit 1 – 2 Semesters** **Course# 728,729**

Prerequisite: [Biology I and Chemistry I \(index\)](#)

This course provides an introduction to some of the topics covered in a first year college biology course. It provides students with fundamental knowledge, as well as the analytical skills necessary to form opinions about controversial topics in science. The course includes lecture, group work, projects, and laboratory activities. Topics included are biochemistry, DNA, transcription/translation, manipulating genomes, evolution, animal behaviors, population ecology, community structure, ecosystems, and human impact on the planet. * Weighted grade.

CHEMISTRY II HONORS **Grade 11,12** **Credit 1 – 2 Semesters** **Course# 730,731**

Prerequisite: [Chemistry I and Concurrent Algebra II, Algebra II Honors](#) [\(index\)](#)

This course includes primarily lecture, problem-solving sessions, and laboratory experiments. Students enrolled in this course will study topics covered in an entry level college chemistry class, including the scientific method, properties of matter, measurement and significant figures, elements and compounds, stoichiometry, types of reactions, energy, entropy, atomic structure, chemical bonding, gases, liquids, solids, solutions and solubility, kinetics, equilibrium, acids and bases, electrochemistry, and nuclear chemistry. A brief unit on organic chemistry will also be included. * Weighted grade.

HUMAN ANATOMY
& PHYSIOLOGY HONORS **Grade 12** **Credit 1 – 2 Semesters** **Course# 732,733**

Prerequisite: [Biology I and Chemistry I](#) [\(index\)](#)

This course is designed to be an introductory class in human anatomy and physiology. Students who are interested in careers in the life science areas should take this class. It will cover all of the major systems of the human body, including but not limited to the skeletal, muscular, digestive, circulatory, respiratory, reproductive, excretory, and nervous systems. There will be a wide range of laboratory activities, which would include the dissection of a shark. * Weighted grade

BIOLOGICAL SCIENCE APPLICATIONS
OF FORENSICS **Grade 11,12** **Credit .5 – 1 Semesters** **Course# 734**

Prerequisite: [Concurrent enrollment in Biology I and Chemistry I](#) [\(index\)](#)

This course will offer students an opportunity to learn about the careers of forensic scientists. Through lecture, group projects, and laboratory activities, students will also learn about the types of evidence collected at crime scenes. Using a variety of laboratory techniques, students will have an opportunity to examine types of biological evidence including artificial blood, DNA, hair, fingerprints, and handwriting. In addition, simulations, videos/DVDs, and guest speakers will be utilized as time permits.

PHYSICAL SCIENCE APPLICATIONS
OF FORENSICS **Grade 11,12** **Credit .5 – 1 Semesters** **Course# 735**

Prerequisite: [Concurrent enrollment in Biology I and Chemistry I](#) [\(index\)](#)

This course will offer students an opportunity to learn about the careers of forensic scientists. Through lecture, group projects, and laboratory activities, students will also learn about the types of evidence collected at crime scenes. Using a variety of laboratory techniques, students will have an opportunity to examine types of physical evidence including clothing and fibers, glass, drugs, soil, metals, paint, impressions, and computers. In addition, simulations, videos/DVDs, and guest speakers will be utilized as time permits.

SCIENCE OF AGRICULTURE

The Agricultural Education program at Harvard High School is designed to educate students on over 250 agricultural career opportunities. The overall goal is to challenge students to excel, develop leadership skills, and explore the numerous career options. This program is designed to be a development process beginning with the Introduction to Agri-science course.

Agriculture Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors</i> <i>Meets Science Graduation requirement - Bold</i> <i>Credits Required for Graduation – 0</i>		
		Advanced Option
9th Grade	Agricultural Science	
10 th Grade	Biological Science-Appl In Agriculture *Natural Resources Agricultural Science *Animal Science *Horticulture *Landscaping Supervised Agricultural Experience I	
11 th Grade	Biological Science-Appl In Agriculture *Horticulture *Landscaping *Equine Science *Natural Resources *Ag Business Management *Animal Science Supervised Agricultural Experience I, II	
12 th Grade	Supervised Agricultural Experience I, II Biological Science-Appl In Agriculture *Horticulture *Landscaping *Equine Science *Natural Resources *Ag Business Management *Animal Science	

HORTICULTURE	Grade 10,11,12	Credit .5 – 1 Semesters	Course# 4
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Prerequisite: [\(index\)](#)

This hands-on course is designed to teach students the production, environmental, business, and scientific aspects of how plants are used for beauty, comfort, and food. Topics covered include Plant Structure and Anatomy, Horticultural Industry and Careers, Plant Science and its Importance to Humans, Floral Design, Greenhouse Management, Plant Propagation Plant Breeding and Genetics. Students will gain the knowledge they need to become a forerunner in the local horticultural setting. Students interested in Landscaping and hands on work in the greenhouse, this class must be taken before you can enter Landscape Development.

LANDSCAPE DEVELOPMENT	Grade 10,11,12	Credit .5 – 1 Semesters	Course# 6
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Prerequisite: [\(index\)](#)

This course provides an introduction to landscape design, development, and maintenance. Topics covered include Landscape Design, Analyzing a Landscape Site, Plant Selection, Principles of Art in Landscaping, Plant Installation, Landscape Maintenance, Landscape Construction, and Landscape Business. This class spends a great deal of time working with plants in the greenhouse. Also, students will be doing many hours of landscape drawings in this class.

AGRICULTURE BUSINESS MANAGEMENT	Grade 11,12	Credit .5 – 1 Semesters	Course# 16
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Prerequisite: [\(index\)](#)

This hands-on course is designed to teach students about all aspects of agricultural business. Topics covered include business management, net worth, resource management, entrepreneurship, operations management, human resource management, risk management, computers in agriculture, agricultural sales and advertising, public relations, and corporation/cooperatives.

AGRICULTURAL SCIENCE	Grade 9,10,11,12	Credit 1 – 2 Semesters	Course# 18I,19I
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Prerequisite: [\(index\)](#)

Agri-science is a lab-based, life science course that studies modern agriculture and the role of the consumer in the food and fiber chain. Topics covered in this course include: Agricultural literacy, Communications, Scientific Inquiry and research, Soil Science, Agronomy, Entomology, Animal Anatomy and Physiology, Animal Reproduction, Animal Behavior, Aquaculture, and Natural resource systems. In addition to completing labs and dissections, students will also develop their public speaking and presentation skills. Counts as 1 science credit for class of 2018, 2019, 2020. **Does not count as science credit for the class of 2021.**

BIOLOGICAL SCIENCE

APPLICATIONS IN AGRICULTURE Grade 10,11,12 Credit 1 – 2 Semesters Course# 20,21

Prerequisite: [Agri-Science \(index\)](#)

This is a hands-on laboratory course, which applies biological principles to agricultural applications. Topic covered include cellular biology, animal/plant genetics and heredity, biotechnology, animal growth and development, animal reproduction, animal nutrition, animal health, aquaculture, and food science /microbiology. Contemporary issues in the agricultural industry will be included as well as career exploration. This class is more advanced than agriscience and structured like a college prep course. This class will meet the Science Biology requirement for graduation.

SUPERVISED

AGRICULTURAL EXPERIENCE I Grade 10,11,12 Credit 1 – 2 Semesters Course# 22,23

Prerequisite: [FFA Member w/SAE \(index\)](#)

The above course is for FFA members who are keeping FFA record books and do not have another Agriculture class that fits in their schedule. This class enables the student to participate in the FFA program. These classes do not require a class period during the day, but are simply supervision of SAE projects, keeping records, and instructor visitation and supervision.

SUPERVISED

AGRICULTURAL EXPERIENCE II Grade 11,12 Credit 1 – 2 Semesters Course# 24,25

Prerequisite: [Approval of Instructor - FFA Member w/SAE \(index\)](#)

The above course is for 3rd and 4th year FFA members who are keeping FFA record books and do not have another agriculture class that fits in their schedule. . These classes do not require a class period during the day, but are simply supervision of SAE projects, keeping records, and instructor visitation and supervision.

ANIMAL SCIENCE Grade 10,11,12 Credit .5 – 1 Semesters Course# 029

Prerequisite: [Ag Science \(index\)](#)

Animal Production/Science courses impart information about the care and management of domestic and farm animals. These courses may cover animal nutrition, health, behavior, selection, reproduction, anatomy and physiology, facilities, product processing, and marketing. Students may study a particular species (swine, cattle, horses, fowl, sheep, and so on), or they may learn how to care for and maintain livestock as a more inclusive study.

Prerequisite: [Intro to Ag Science](#) and one of the following: [Life Sci.](#), [Biology](#), or [BSAA](#) [\(index\)](#)

This is a semester long course for students who would like to learn more about the science of horses and the career options available within the equine industry. Students in this hands-on, science based course will learn about topic such as history of the horse, anatomy, conformation and biomechanics, selection of horses, behavior and training theory, health, nutrition, equipment and disciplines, and considerations for owning an equine facility. Students will be required to work independently and in small groups on projects such as oral presentations, research assignment, model construction, and creating video presentations. When the opportunity allows, horses will be brought in to demonstrate principles and practices and/or students will visit local equine businesses and events. Students are encouraged to join FFA and compete in horse related events

SOCIAL STUDIES

It is the philosophy of the Social Studies Department that students should possess the knowledge and skills necessary to function as good citizens in our democratic society. In order to adapt to an ever-changing society, we will enhance their communication, conceptualization, and coping skills.

The Social Studies Department offers many courses, which will expose the students to history as well as modern societies here and worldwide. There will be an emphasis on reading and writing skills, as well as analysis and application. There will also be an emphasis on developing positive self-esteem as the student functions at his/her level of ability.

Social Studies Pathway		
<i>One Semester Course - *</i> <i>Weighted-Honors, AP</i> <i>Required Course for Graduation - Bold</i> <i>Credits Required for Graduation 2</i>		
		Advanced Option
9th Grade	*World History I *World History II *Early U.S. History	*World History I Honors *World History II Honors
10 th Grade	*Current Global Studies *World History I *World History II *Early U.S. History	AP Human Geography *World Geography I *World Geography II *World History I Honors *World History II Honors
11 th Grade	U.S. History * Civics/US Government *World Geography I *World Geography II *World History I *World History II *Current Global Studies	A.P. U.S. History *World History I Honors *World History II Honors
12 th Grade	* Civics/US Government *Recent U.S. History *World Geography I *World Geography II *Current Global Studies	*Sociology I Honors *Sociology II Honors *Psychology

Prerequisite: Required (Passing the State and Federal Constitution Exam Requirement) [\(index\)](#)
(Class of 2021 this course will be called Civics)

This required course will provide a deeper insight into American government at the federal, state, and local levels. Topics and areas that will be covered include: philosophy of government; comparative government; interest groups; and an analysis of the institutions that make up American government. In addition, class discussions and debates will be conducted on current events and relevant social issues pertaining to government. Basic skills in reading, writing, note and test taking will be utilized. **Passing the State and Federal Constitution required.**

***Class of 2021 please note that there will be state mandated community service hours attached to this class. The details of this requirement have yet to be determined by the ISBE.**

WORLD HISTORY I (Honors Option) **Grade 9,10,11** **Credit .5 – 1 Semesters** **Course# 764**
Prerequisite: None [\(index\)](#)

A social studies framework will be established in which historical patterns, themes, and concepts are explored. This course begins with the teaching and application of basic social studies skills. These skills such as map reading, chart analysis, and timeline applications will lay the groundwork for future social studies classes. Subject matter will include the development of civilizations to the beginning of the Middle Ages. Areas of focus will be Mesopotamia, Early China, India, Egypt, Greece, Rome, and the Middle Ages. This class is highly recommended to incoming freshmen. An Honors section is available for this class. Honors students will be expected to complete additional writing assignments and additional reading assignments.

WORLD HISTORY II (Honors Option) **Grade 9,10,11** **Credit .5 – 1 Semesters** **Course# 765**
Prerequisite: None [\(index\)](#)

This course begins with the Renaissance and end with the Industrial Revolution. The dramatic changes of the Renaissance in the areas of art, literature, science, government, religion and the effects on Europe will be covered extensively. Basic skills in reading, writing, note and test taking will be utilized. An Honors section is available for this class. Honors students will be expected to complete additional writing assignments and additional reading assignments.

WORLD GEOGRAPHY I **Grade 10,11,12** **Credit .5** **1 Semesters** **Course# 766**
Prerequisite: None [\(index\)](#)

World Geography I is a one semester course that examines the geography, history, and culture of people in our own society as well as Central and South America and Europe. The purpose of the course is to provide the student with the opportunity to study a wide range of relationships that exist between the regions and countries of the world. There will be a focus on, but not limited to, Native Americans, Aztec, and Amazonian Culture and how these have shape modern societies. Students will gain perspective about their own lives through the context of human diversity. Map studies, projects, visual aids, current events and individual research maintain relevance to student interests and needs. World Geography I will focus primarily on North and South America as well as European Countries.

WORLD GEOGRAPHY II Grade 10,11,12 Credit .5 1 Semesters Course# 767

Prerequisite: [World Geography I](#) [\(index\)](#)

World Geography II is a one semester course that examines the geography, history, and culture of people in our own society as well as Africa and Asia. The purpose of the course is to provide the student with the opportunity to study a wide range of relationships that exist between the regions and countries of the world. There will be a focus on, but not limited to, traditional tribes and conflicts with Africa and the modern day issues these countries face. In addition further study will take place of Asia, in particular China, Japan, India, and Indonesia and their cultural and role upon the modern global stage. Students will gain perspective about their own lives through the context of human diversity. Map studies, projects, visual aids, current events and individual research maintain relevance to student interests and needs. World Geography II will focus primarily on Africa and Asia.

CURRENT GLOBAL ISSUES Grade 10,11,12 Credit .5– 1 Semesters Course# 761

Prerequisite: [None](#) [\(index\)](#)

This class will identify the dominant cultural and ethnic groups of today and examine their impact on politics, economics, and social behavior in the emerging era of globalization. Students will understand the historic diversity of cultures and how their increasing interaction has caused both cooperation and conflict regionally and throughout the world. Topics will include: Conflict in the Middle East; Emergence of Asia in world affairs; Ethnic and Cultural Conflict in America; and Global Terrorism.

UNITED STATES HISTORY Grade 11 Credit 1 – 2 Semesters Course# 770,771

Prerequisite: [None](#) [\(index\)](#)

This class will fulfill the graduation requirement of one year of U.S. History as established by the State of Illinois. Starting in the Post-Civil War Era, with an emphasis on the 20th century, the goal of this course is to give students the opportunity to understand how the U. S. developed its international status as a world power. It is designed to help students to identify causes and effects, events, philosophies, and individuals which led to America's development, and provide them with an historical basis for decision making. This course builds on the skills introduced in World History. Developing an appreciation and understanding of American History will enable students to make political, economic, cultural, and social decisions in their lives.

***AP UNITED STATES HISTORY Grade 11 Credit 1 – 2 Semesters Course# 780,781**

Prerequisite: [Junior Class Status/Approval of Social Science Team](#) [\(index\)](#)

This class will fulfill the graduation requirement of one year of U.S. History as established by the State of Illinois. This interpretive college-level course considers the American experience from colonial times to the present. The course requires excellent reading and writing skills, and its structure is designed to prepare students for the Advanced Placement Test in U. S. History. Success on this test may entitle a student to college credit, advanced placement, or both. Course activities include writing three positions papers of 3-8 pages each semester, 2-4 in-class essays per month, and 3-4 document based questions per year. A heavy emphasis is placed on analyzing and synthesizing information obtained from primary sources. Students who enroll in this course are expected to pay for and take the Advanced Placement Exam in May. *Weighted grade.

RECENT U.S. HISTORY Grade 12 Credit .5 – 1 Semesters Course# 768

Prerequisite: [None](#) [\(index\)](#)

This course is designed to bring students to the present in United States history. By learning the recent history of our nation, students will gain a better understanding of the origins of many of the challenges we currently face as a nation. We will examine, in depth, the following issues: Civil Rights, Watergate, Iran hostage crisis, the first Gulf War, Vietnam, current Middle East issues, 9/11 and topics pertaining to current events.

EARLY U.S. HISTORY **Grade 9,10** **Credit .5 – 1 Semesters** **Course# 762**

Prerequisite: None [\(index\)](#)

The course begins with exploration and the settlement of North America by Native Americans. An in depth look at the different nations and tribes that developed, their lifestyle, culture, and customs. The class will then explore the interactions, partnerships, and conflicts between native cultures and European settlers coming to the New World. The class then continues through the development of settlements and colonies, The American Revolution, and ends after the Civil War.

The objectives include teaching about the native cultures that existed before the foundation of the United States Government. The various struggles we faced as a fledgling nation: political, economic, cultural, and social. This class will use various movies and research tools to facilitate instruction and ends with an exploration of the Civil War.

*For students planning to take AP US History during their junior year this class is highly recommended.

PSYCHOLOGY **Grade 12** **Credit .5 – 1 Semesters** **Course# 777**

Prerequisite: [This is a college prep course and students will be expected to conduct an original research project.](#) [\(index\)](#)

Psychology is the study of human behavior and mental processes. A semester long, this course is designed to introduce students to psychology and see how it can be used as a tool for increased self-awareness and self-understanding. We will look specifically at Consciousness, Psychological Disorders, Psychological Research Methods, Theories of Personality, and Motivation and Emotion.

This class is highly recommended for college-bound students as an introduction to Psychology 101 they will have to take in college.

***SOCIOLOGY I HONORS** **Grade 12** **Credit .5 - 1 Semesters** **Course# 778H**

Prerequisite: None -[This is a college prep course and as such there is an emphasis on writing.](#) [\(index\)](#)

Sociology is the scientific study of society and human behavior.

Is *The Lion King* a just a fun children's movie or is it part of the reason women still earn only 72 cents for every dollar men earn? Is dog fighting wrong or is it just different? When is it okay to break the law? What does it mean when someone stares at you? Would you torture or kill people simply because you were told to do so? These are some of the questions explored in Sociology. In this course students will enjoy the ability to examine the world around them with a sociological perspective. Topics covered include culture, socialization, social structure, social networks and the way in which these shape self concepts and perceptions. Students will also learn about the three dominant theoretical perspectives in sociology. Discussion and participation are important parts of this class. Because this is a college prep honors course and as such there is an emphasis on writing.

***SOCIOLOGY II HONORS** **Grade 12** **Credit .5 - 1 Semesters** **Course# 779H**

Prerequisite: [Sociology I](#) [\(index\)](#)

Why does the US have the largest prison population on Earth? Does the death penalty work? What does it mean to be a person of color in the US? What is your social class and what effect does it have on your life? How do we plan and conduct funerals in the US? Building on Sociology I, students will use the three sociological perspectives to explore different issues in and aspects of our society such as: Deviance and Social Control, Social Class in the United States, Race and Ethnicity, The Family, Collective Behavior and Social Movements, and Death and Dying.

Discussion and participation are important parts of this class. Contemporary films will be used to further understanding of the issues discussed and there will be at least one field trip. This is a college prep honors course and as such there is an emphasis on writing.

***AP HUMAN GEOGRAPHY Grade 10**

Credit .5 - 1 Semesters

Course# 775,776

Prerequisite: [\(index\)](#)

Our planet is an endlessly fascinating place with an almost unimaginable variety of people surviving or thriving in an extraordinary variety of ways as they interact with their environments. Students in AP Human Geography will examine how people make places across the Earth. Specific areas of study will include population, migration, culture, identity, language, religion, politics, urbanization, and globalization. Students who enroll in this course are expected to pay for and take the Advanced Placement Exam in May. This class is highly recommended for students that will take AP U.S. History junior year. *Weighted grade.

INDEPENDENT STUDY

PHILOSOPHY:

Independent study is designed for students who have exhibited outstanding achievement or creativity. Students will not be assigned to independent study nor will faculty members be assigned to work with students in independent study. The purpose of independent study will be to undertake a study not offered in the regular curriculum or to undertake an indepth study.-

PROCEDURE:

1. A student initiates an independent study by obtaining an independent study petition from his/her counselor. One complete copy is to go to the counselor.
2. The student must then obtain an advisor, who must be a Harvard High School faculty member, to work with him/her on the study.
3. The student and the advisor develop a brief description of the study.
4. All petitions must be approved to begin study before the first semester. Petition to begin a second semester is to be approved before the last week of the first semester.

RULES:

1. May not be used as an academic course
2. Students will be given a grade report each grading period. Grade points will not be counted towards the student's cumulative grade point average.
3. May not be used toward the required 26 credits for graduation, but will be awarded in addition to those 26 credits.
4. Students may terminate an independent study at any time without penalty or any notation being recorded on the student's permanent record.
5. Faculty members may terminate an independent study when, in their judgment, the student is not fulfilling his contract. No notation of this action will be recorded on the student's permanent record.
6. The student must maintain a "C" average in all courses to carry an independent study program.
7. Will be recorded on the student's permanent record when he/she has successfully completed the program.
8. Taken in place of a study hall.

EXTRA-CURRICULAR ACTIVITIES

STUDENT COUNCIL

The purpose of the council is:

1. To promote student activities.
2. To develop good relations between faculty, administration, and student.
3. To develop school spirit, pride, and respect on the part of the students.

The Student Council is actively involved in the District, State and National Associations for Students Councils. Members participate in District Workshops and Convention State Conferences and Conventions, and the National Conference. The Student Council sponsors all homecoming activities and other projects such as dances and Student Council Week. Members are elected by their classes in April (freshmen in September). Officers are elected by the whole student body. Presidential candidates must have served one year on council prior to running for this office.

CLASS ACTIVITIES

Each class elects a President, Vice-President, and Secretary/Treasurer. These officers work with the faculty advisors in handling the various activities and responsibilities that each of the classes will have. There are many opportunities for students to gain experience in accepting responsibility and help the entire school through class activity.

NATIONAL HONOR SOCIETY

National Honor Society members strive to promote excellence to provide service to the school. Membership requirements are a 3.5 grade average and selection by a faculty committee who rates each academically qualified student on character, leadership and service.

FFA

The FFA is a national agricultural organization. The purpose is to develop leadership skills in members, explore career opportunities, and provide educational opportunities. The Harvard FFA participates in local, state and national activities. Members must be enrolled in an agricultural course and have a sincere interest in agriculture. A few activities include leadership workshops, career development contests, recreational activities, and other ideas which members organize.

ALL SCHOOL PLAYS/MUSICAL SHOWS-

There is one major all school production per year. A period of not less than six weeks is spent in evening and occasional Saturday rehearsal for each production. Normally a musical show is produced in the fall. The cast is selected from those who try out, while the crew is selected from those expressing an interest in working back stage. Auditions are open to all.

MODERN MUSIC MASTERS

Limited membership is open to sophomores, junior and senior music students who earn points by participation in music activities that are not a required part of the music program. This honors organization for music students has numerous activities throughout the year for members. Included are group trips to concerts, operas, and other professional arts performances; sponsoring a solo ensemble performance night; and participating in several fundraising- activities.

LIBRARY CLUB

Library Club is for students who are curious, who like reading, or who like to find information on their favorite topics. Library Club members investigate new websites, promote new books and help out at the library. Some of our fundraising proceeds are used to purchase paperbacks chosen by club members to add to the high school collection. The paperbacks are labeled "Gifts from the Library Club" and reinforced before they are filed within the collection.

AMERICAN FIELD SERVICE (A. F. S.)

Want fun with a foreign flair? Join A. F. S. Get to know people from foreign lands and perhaps be a foreign exchange student yourself. Fundraising activities will be provided as well as student parties for better international understanding, and joint meetings with the adult chapter provide yearlong fun for everyone.

INTERACT CLUB

Interact is the high school division of the Rotary Club and is Harvard High School's community service club. Students from all grade levels are welcome to join. Interact participates in a variety of school and community activities with the goal of helping members develop their leadership and initiative skills by assisting others. Our mission is to benefit the school, community, country, and the world.

Activities throughout the year include:

- ❖ Blood drives
- ❖ Fundraising
- ❖ Sponsorship of a child in Brazil
- ❖ Toys for Tots program
- ❖ Collection of pop tabs to benefit Ronald McDonald House
- ❖ Reading to students at Jefferson Elementary School
- ❖ Lock-in social activities
- ❖ Additional service activities as needs arise



KEY CLUB

Key Club is a group of students of all grade levels who are interested in helping others. Students participate in school and community activities and work on developing initiative and leadership. The motto of the club is "Caring—Our Way of Life."

ATHLETICS

The Athletic Department offers a variety of sports/ activities. At the present time, students at Harvard High School have the opportunity to participate in various athletics/ activities which are listed below:

Fall

Cheerleading Football
Boys Cross Country
Boys Basketball
Girls Cross Country
Boys Golf
Girls Golf
Football
Boys Soccer
Girls Volleyball

Spring

Baseball
Softball
Boys Track
Girls Track
Girl Soccer

Winter

Cheerleading - Boys Basketball/
Competitive
Girls Basketball
Wrestling
Scholastic Bowl
Chess
Math Team