

AMERY HIGH SCHOOL

Course Selection Book



2020-2021

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Introduction

This publication was prepared for you and your parents to help you select courses which will help prepare you for your future whether you decide to enter the work force, a two-year vocational/technical college, or a four-year college. If you would like further information about what specific courses you need for specific career areas or for certain college programs, please see your school counselor. They have a variety of resources to help you plan which courses would be best for you. To be on the Honor Roll, your term GPA needs to be 3.75 or higher for A Honor Roll, and 3.0 or higher to be on B Honor Roll.

Required Courses:

<u>Grade 9</u>		<u>Grade 10</u>	
English 9	1.0	English 10	1.0
Health 9	.5	Social Studies	1.0
Social Studies	1.0	General Biology	1.0
Integrated Science	1.0	Mathematics	1.0
Phy. Ed. 9	.5		
Mathematics-- Choice of:	1.0		
Algebra I, Geometry or Pre-Algebra			
<u>Grade 11</u>		<u>Grade 12</u>	
English Choice of:		English Choice of:	
English 11	1.0	English 12 and	.5
--or--		Required English elective	.5
AP English Literature & Composition	1.0	--or--	
Social Studies AP Option or Elective	1.0	College Prep	1.0
		Social Studies AP Option or Elective	1.0

High School Graduation Requirements:

English	4 credits	Social Studies	4 credits
Mathematics	3 credits	Science	3 credits
Phy. Ed.	1.5 credits	Health	.5 credit
Careers & Technology	.5 credit	Personal Finance	.5 credit

Total Credits Required for Graduation: 28 Credits

Equivalency Courses at Amery High School

During the 2015-2016 school year and each school year moving forward, the following business and agriculture courses count for credit in a core area instead of elective business or agriculture credit. If you/your child took one of these classes in a prior school year, they will count for elective credit, not core credit. In order to verify if you/your child took a course for equivalency core credit review your/your child's transcript. Example, if you took Horticulture I for elective credit the course title on your transcript will read: AGR HORTICULTURE I, if you took Horticulture I as an equivalency course for science credit your transcript will read: AGR HORTICULTURE I-ES. The code of EE, ES or ESS will follow the name of the course on your transcript if taken for equivalency core credit.

Science Equivalency Courses-ES Students will receive science elective credit upon successful completion of these courses: Equine Science AGR077, Food Science Made Fun FCE526, Horticulture I & II AGR036 and AGR042, Large Animal/Dairy Science AGR066, Small Animal Science AGR076, Veterinary Science AGR074

Social Studies Equivalency Courses-ESS Students will receive social studies elective credit upon successful completion of these courses: Business Law BUS255, General Business & Economics BUS225, Personal Finance BUS269

Laude Grading System

The laude points system replaces the class rank system. Students will earn laude points for the rigorous coursework which they take as students at Amery High School. Laude points will determine a student's academic standing at Amery High School. Laude points will be factored into a student's GPA each term, for passing grades earned. Students who have completed high school with academic honor will be recognized with one of the following laude distinctions at graduation:

Summa Cum Laude	"with highest honor"	Cumulative GPA of 4.250 or Higher
Magna Cum Laude	"with great honor"	Cumulative GPA of 4.100 to 4.249
Cum Laude	"with honor"	Cumulative GPA of 3.95 to 4.099

Level Four (5.0 GPA)

AP Biology
AP Calculus AB I
AP Chemistry
AP Computer Sci Principles
AP English Lit & Comp
AP Physics C: Mechanics
AP Psychology
AP US Gov't & Politics
AP US History

Level Three (4.75 GPA)

Advanced Independent Art
Advanced Stats. & Probability
Agriculture Career & Student Dev. III
Calculus II
Chemistry
College Preparatory English
French IV/V
Horsemanship III
Horticulture II
Physics
Pre-Calculus I
Pre-Calculus II
Spanish IV/V
Veterinary Science

Level Two (4.5 GPA)

Accounting
Advanced Algebra II
Agriculture Career & Student Dev. II
Anatomy, Physiology & Disease C.
Band and Concert Choir (3rd/4th years)
Business Law
Ceramics III
Child Services
Civics
Construction Framing I
Developmental & Abnormal Psychology
Desktop Publishing I/II/III
Drawing III
Early Contemporary US History
Entrepreneurship I/II
French III
General Psychology
Graphic Design III
Horsemanship I/II
Information Processing III
Introduction to Engineering
IT Essentials I/II
Marketing I/II
Medical Terminology
Modern Contemporary US History
Microsoft Office II/III
Painting III
Personal Finance
Photography III
Print Reading for Building Construction
Sculptures & Metals III
Small Animals II
Sociology
Spanish III
Technical College Math
Web Design II
Welding I/II

Level One (4.25 GPA)

Advanced Weight Training
Advanced Woodworking
Agriculture Career & Student Dev. I
Algebra II
Architecture & Design II
Band and Choir (2nd year)
Ceramics II
Cooking and Catering I/II
Creative Writing
Drama
Drawing II
Employability Skills & Success Strat.
Equine Science
Foods II
Food Science Made Fun
French II
Freshwater Ecology
Graphic Design II
Horticulture I
Independent Reading
Information Processing II
Intro to Computer Sci. & Program.
Landscape Design II
Large Animal/Dairy Science
Media Literacy
Microbiology
Microsoft Office I
Mythology
Natural Resource/Wildlife Mgmt. II
Painting II
Photography II
Poetry and Lyrics
Public Speaking & Communication
Sculptures & Metals II
Small Animal Science I
Spanish II
Survival Skills
Web Design I
World Literature

Updated 1-24-2020

	5.000 GPA Level 4	4.750 GPA Level 3	4.500 GPA Level 2	4.250 GPA Level 1	4.00 GPA No Level
A	5.000	4.750	4.500	4.250	4.00
A-	4.584	4.355	4.125	3.896	3.667
B+	4.166	3.958	3.750	3.541	3.333
B	3.750	3.563	3.375	3.188	3.000
B-	3.334	3.167	3.000	2.834	2.667
C+	2.916	2.770	2.625	2.479	2.333
C	2.500	2.375	2.250	2.125	2.000
C-	2.084	1.980	1.875	1.771	1.667
D+	1.666	1.583	1.500	1.416	1.333
D	1.250	1.188	1.125	1.063	1.000
D-	0.834	0.792	0.750	0.709	0.667
F	.000	.000	.000	.000	.000

Start your future now!
Earn technical college credits in high school



You can earn up to 45 WITC Technical College credits while in high school. The chart below shows the Amery High School Courses that are transcribed (dual credit) with WITC. This means the course taught in Amery is the same as the course taught at WITC. Students who successfully complete the course can earn technical college credit by registering for the credits during the course.

These credits can be applied to WITC Programs or transferred to other institutions. Each student will receive an official transcript from WITC showing the courses and corresponding grades (upon request). The grade earned on the high school transcript may differ from the grade earned on the college transcript due to the higher grading scale standard. There are no student or school fees for the courses.

For more information: www.witc.edu/highschool/advanced.htm. To see if the credits transfer, use the UW Transfer Wizard: <http://tis.uwsa.edu/index.html>

Amery High School Course	WITC Course	WITC Credits
Business Law	Business Law	3
Desktop Publishing I	Desktop Publishing	2
Desktop Publishing II	Adobe Photoshop	2
Entrepreneurship I	Introduction to Business	3
Information Processing II	Document Formatting	2
IT Essentials I	IT Essentials	2
Marketing I	Marketing Principles	3
MS Office I	MS Word A	1
	MS Excel A	1
MS Office II	MS Word B	1
	MS PowerPoint	1
Personal Finance	Personal Finance	3
Web Design I	Web Design and Development	3
Large Animal/Dairy Science	Dairy Cattle Management	2
Medical Terminology	Medical Terminology	3
Anatomy, Physiology, and Disease Concepts	Anatomy, Physiology, and Disease Concepts	2
*Technical College Mathematics	Applied Technical Math 1	3
*Construction Framing 1	Construction Framing 1	4
*Print Reading for Building Construction	Print Reading for Building Construction	2
Welding for Mechanics I	Welding for Mechanics	2

**These three courses together may allow a student to earn WITC's construction essentials technical diploma.*

Revised 1/2020

Data above subject to change

Career & Technical Education (CTE) Academies

What is a CTE Academy?

An academy combines classroom instruction with hands-on work. The goal is to help prepare students for post-secondary training and future employment. Students in academies will be applying their knowledge and skills to operate school-based businesses in each of the CTE areas. Student can find academy opportunities in the following departments: Agriculture, Business & Information Technology, Family Consumer Science and Technology and Engineering. Students interested in academies should enroll in the classes listed in the chart below; in addition, there will also be independent courses within Agriculture, Business and Information Technology and Family Consumer Science, known as CTE Career & Leadership courses, where student can pursue leadership roles and additional academy coursework.

Department	Academy Focus	Classes
Agriculture & Natural Resources	Growing & Selling Foods & Plants	Aquaculture & Hydroponics
Business & Information Technology	Entrepreneurship "Shark Tank"	Entrepreneurship/Desktop Publishing
Business & Information Technology	Marketing & Promotions	Marketing/Web Design
Family & Consumer Science	Food Cooking & Catering	Catering
Family & Consumer Science	Fashion Construct & Sell Product	Fashion Design I/II
Technology & Engineering	Building & Selling a House	Understanding Construction/Building Trades

CTE Career and Leadership Classes:

CTE career and leadership classes are one or two term independent courses that emphasize the entrepreneurial spirit and focus on academy related topics in the areas of agriculture, business, and family and consumer science. Students in these courses will work closely with their instructors and may take on leadership positions within the academies. Students will be scheduled individually and will earn elective credits. In addition, students will need to go through an application process to enroll in a career and leadership course and should seek out the CTE instructor in the department area they wish to take this class in.

AGR300/301 Agriculture CTE Career & Leadership

This is an independent course where students will work on projects in the agricultural field that teach about running your own business. These projects are Student Based Learning programs and are designed to be maintained and enhanced by the students. Students approved for this course will care for the plants or animals, design new programs of study, maintain what has already been started and enhance the program, maintain a budget for projects and the care of the plants and animals. The Agricultural CTE program has opportunities in the following areas:

- Fresh Water Tanks
- Salt Water Tanks
- Horsemanship
- Small Animals/ Veterinary Science
- Greenhouse Management
- Leadership – FFA – Parliamentary Procedure Website

(Other programs of study could be started depending on the interests of the students. New programs of study must be proposed and approved by the agriculture instructor.)

See Derrick Meyer for more information.

BUS300/301 Business CTE Career & Leadership

This is an independent course that focuses on Entrepreneurship and Marketing. Students will assist the other CTE Academies and work on projects utilizing skills in business and marketing. Examples of projects include: collecting marketing research, creating marketing plans, designing marketing materials (print and video), working with social media, photography, developing and maintaining websites, handling public relations, and other projects as needed. There are also opportunities for students to start and manage their own businesses.

See Ramona Lockwood and/or Mike Rose for more information.

FCE300/301 FACE CTE Career & Leadership

This is an independent course where students will show their leadership skills by using previous knowledge obtained from Family Consumer Science classes. Students in the catering area will be exploring food production, testing recipes and catering to area businesses and the Amery community. Students in the fashion area will be working with our embroidery machine, t-shirt press, vinyl cutter and heat press to construct and sell products.

See Emily Larson for more information.

Agriculture & Natural Resource

AGR024 Agriculture Career and Student Development I (L1)

AGR026 Agriculture Career and Student Development II (L2)

AGR027 Agriculture Career and Student Development III (L3)

Grades 9-12 1 Term ½ Credit

This course will be offered as a Zero-hour course that will run all school year: M-W-F 7:15-7:50 am

Prerequisite: Students must successfully complete Level I prior to taking Level II; students must successfully complete Level II prior to taking Level III;

FFA is one of America's best training grounds for leadership development. Its primary purpose is to serve young people who are interested in the broad spectrum of agricultural careers. This class will help each student realize that education can be fun because they will be learning by doing. The student will get a chance to be in charge of a major FFA event, a wide variety of competitive events from public speaking to agri-marketing to fairs and shows. Throughout the class each student will be sharpening their individual skills in leadership and have an opportunity to put them to use by becoming involved in school and community projects.

AGR088 Aquaculture and Hydroponics

Grades 9-12 1 Term ½ Credit

This course introduces students to beginning aquaculture/hydroponics concepts, techniques and practices. Science inquiry and principals are used to examine common fish health issues, habitat needs, water quality requirements, basic plumbing, laboratory analysis and treatments. We will also take time to learn about many systems of hydroponics, aeroponics and vertical farming.

AGR075 Careers & Technology- Agriculture

Grades 10-12 1 Term ½ Credit

Course will be offered 2022-2023 school year.

In this course you will engage in career planning and goal setting for your future while utilizing MSOffice and other technologies. You will create an individualized learning plan (career pathway/map) to help you schedule the appropriate courses in high school that can help you achieve your career goals. The Career Cruising software/website will be used to complete self-assessments and research career options. You will complete a job shadow to see firsthand what skills are needed in the workplace, create job campaign materials (Job application, resume, cover letter, follow up letter, reference list), participate in mock job interviews with local employers, and compile a portfolio of artifacts to use when interviewing for scholarships, jobs, or post-secondary programs.

AGR077 Equine Science (L1)

Grades 9-12 1 Term ½ Science Credit

The horse is such an important animal to millions of Americans. This course is designed to explore the world of the horse. The student will learn to appreciate and understand why the horse is more popular today than years ago when the horse was the primary means of labor and transportation. Units that will be covered are history and development, feeding, breeding, health, breeds, classes, horse behavior, horsemanship and management. Students will have the opportunity to gain hands-on experience with these magnificent animals. Horse care, handling and introduction to ground work will be conducted at a local stable.

FCE526 Food Science Made Fun (L1)

Grades 9-12 1 Term ½ Science Credit

Is learning about the science of food important? It all depends on your answer to the following questions: Did you eat today and are you planning on eating tomorrow? How long did it take for you to make that product? What ingredients were in it? Food Science is one of the fastest growing career areas. It is also where the new and exciting jobs are being found. Not just any job...but jobs that pay well! Food Science and AgProcessing are the past, present and future of the food industry. This class will track food products from the farmer to the consumer as well as teach students about how that product is made so that it is exactly what the consumer wants. Students will investigate key players and trends in the food industry. We will be working with milk/dairy products, cereals, grains, fruit, vegetables, meat, poultry, eggs, fish, beverages and more. Students will also gain an understanding of food safety and careers in food science.

AGR014 Horsemanship I (L2)

AGR018 Horsemanship II (L2)

AGR019 Horsemanship III (L3)

Grades 9-12 1 Term ½ Credit

Prerequisite: Recommended to take Equine Science first or at the same time; For Level II, successful completion of Level I; For Level III, successful completion of I and II.

Humans have been fascinated by the behavior of animals for as long as they have co-existed on Earth. Our relationship with the horse has evolved into a special bond which has no equal with other domesticated animals. This class is designed to explore that new science of animal behavior, or understanding how horses react, and why they do what they do. The student will have the opportunity to work one on one with a weaning. Their charge will be to learn and understand horse psychology, and to then train horses using natural horsemanship methods. Levels II and III will be advanced work. You will get more challenging horses and will be expected to teach skills and methods of training.

AGR036 Horticulture I (L1)

Grades 9-12 1 Term ½ Science Credit

One of the most rapidly growing areas in the field of agriculture is that of horticulture. Horticulture is a course designed to provide the student with a basic knowledge in the cultivation, processing and sales of fruits, nuts, vegetables, ornamental plants and flowers. As an industry, it contributes over 50 billion dollars to the United States economy every year. This new found interest in horticulture is due in large part to an increasing awareness on the part of the general public, as people look inward at a need to be closer to nature, and as they discover the beauty and satisfaction plants provide for them. The student will have an opportunity to conduct scientific experimentation in plant propagation methods using our greenhouse.

AGR042 Horticulture II (L3)

Grades 10-12 1 Term ½ Science Credit

Prerequisite: Successfully complete Level I prior to taking Level II.

This is an advanced horticulture class designed to further the student's knowledge in the fascinating world of horticulture. Students will study in more detail the operations and complete system of a modern greenhouse. Students will also explore in great detail various greenhouse production crops like Poinsettias, Easter Lilies, and Chrysanthemums. Finally, the class will be required to develop a small-scale production business designed to cover all aspects of a modern greenhouse production operation.

AGR045 Landscape Design I

AGR055 Landscape Design II (L1)

Grade 9-12 1 Term ½ Credit

Prerequisite: Successfully complete Level I prior to taking Level II.

The individual who pursues a career in landscaping must be trained to meet the challenge of satisfying the needs of the people without harm to others or the environment. The response to that challenge will be taught to students as they are directed to an understanding of what constitutes a high quality landscape design in the classroom and then be able to physically bring to completion those principles by an on-site landscape project. Level II students will have more assignments and will be in charge of the landscape site as foreman and supervisors.

AGR066 Large Animal/Dairy Science (L1) (WITC Credit)

Grade 9-12 1 Term ½ Science Credit

The course is designed to teach about the large animal industry. There is much which is new and exciting in the field of large animals. More research is being conducted in this area than any other animal area in the United States. Students will cover the following areas in dairy, beef and other large animals: history, development, feeding, breeding, health, psychology, behavior, training and judging. Special units in the new field of biotechnology will also be covered including cloning, embryo transfer, and artificial insemination. The majority of the time will be spent on Dairy Science, but other areas of science will be covered.



AGR051 Natural Resource/Wildlife Management I

AGR061 Natural Resource/Wildlife Management II (L1)

Grade 9-12 1 Term ½ Credit

Prerequisite: Successfully complete Level I prior to taking Level II.

This is a one-term course which examines how America's resources provide aesthetic, scientific, and economic benefits. Units of study include wildlife management and forestry as they apply to maintaining a proper environment. Special areas of interest will be using the nature laboratory, field trips, and taxidermy, and a segment of time will be spent creating an individual project that will be the students' donation to our natural resources. Level II students will have more projects and will be in charge of part of the forest restoration projects we have going on in the school forest.

AGR016 Plants, Animals and You

Grade 9-12 1 Term ½ Credit

*This class is recommended before taking other courses, but is not required.

This class is intended as an introduction to the broad area of agricultural science. Agribusiness (the production of food and fiber) is the number one industry in the United States, employing 1 out of every 4 Americans. Students will develop agricultural knowledge and awareness in the following areas: plants, animals, natural resources, conservation, horticulture, agri-mechanics, and leadership development. Special areas of interest feature laboratory work field trips, guest speakers, and hands-on experiences. Students will also have the opportunity to become involved in special community and school projects.

AGR076 Small Animal Science I (L1)

AGR086 Small Animal Science II (L2)

Grades 9-12 1 Term Level I: ½ Science Credit
Level II: ½ Agriculture Credit

Prerequisite: Successfully complete Level I prior to taking Level II.

Small animals are special creatures, whether they are a dog, cat, rabbit, or any of a dozen other companion animals which people adopt and promise to care for and love. This class is designed to explore the world of these lovable creatures. People with special knowledge and skill in working with small animals are in constant need and the employment opportunities are wide open. This class is designed to be a pre-veterinarian, or a pre-technician course, studying the care and management involved in many of the small animals of our area. Level II students will be managers of animals, will have more projects including training of animals. Students will expand on what they learned and advance their skills with handling and caring for small animals.

AGR074 Veterinary Science (L3)

Grades 9-12

1 Term

½ Credit

Prerequisite: Must pass with a "B" or better in one of the animal science courses (Small Animals, Large Animals or Equine Science) before taking this course.

This class is designed as an advance study of the animal sciences. This includes the large and small animal areas. Students will gain a deeper understanding of veterinary techniques including: artificial insemination, embryo transfer, and genetic engineering, giving shots and even suturing. A computer laboratory will be used as it relates to the care and management of these animals. Activities will include laboratory exercises, field trips, guest speakers, and a block of time devoted to constructing a special animal care project.

Art

ART200 Advanced Independent Art (L3)

Grades 11-12 1 Term ½ Credit
Class fee: \$10.00

Prerequisite: Levels I-III in an area of specialization: Ceramics, Drawing, Graphic Design, Painting or Sculpture & Metals and Photography.

Advanced Independent Art is a course giving students the opportunity to continue their studies at a more advanced level in an artistic specialization of their choice. Student work will focus on three areas of exploration: Quality, Breadth and Concentration. Students will develop a personal artist statement and create work suitable for a college-entry level portfolio. Students MUST obtain an Independent Study Application from their school counselor BEFORE requesting this course.

ART105 Ceramics I

ART092 Ceramics II (L1)

ART093 Ceramics III (L2)

Grades 9-12 1 Term ½ Credit
Class fee: \$10.00

Prerequisite: For Ceramics III, C- or better in Ceramics II.

Ceramics is a course for anyone who loves clay. Ceramics I concentrates on pinch/coil, slab, wheel throwing and sculpture. Ceramics II will have more advanced requirements for the projects assigned. When Ceramics III is taken, you will learn how to load and unload the kiln, pug clay, and create projects based on your area of interest. The history of ceramic art will be studied as well.

ART160 Computer Arts and Animation

Grades 9-12 1 Term ½ Credit
Class fee: \$10.00

Students will use a variety of software to learn basic tools and techniques for creating and manipulating images and transforming ideas into artwork. Still renderings and short animated sequences will be created with an emphasis on creativity, originality and experimentation. This course will also investigate the impact of visual communication in our history, culture and values. Technology that may be incorporated includes Adobe Illustrator, Photoshop and Flash and online offerings such as StickAnimator, Media Player and Prezi.

ART111 Drawing I

ART182 Drawing II (L1)

ART183 Drawing III (L2)

Grades 9-12 1 Term ½ Credit
Class fee: \$10.00

Prerequisite: For Drawing III, C- or better in Drawing II.

Drawing is the most fundamental aspect of art. Students will learn drawing skills that will allow them to become better at drawing and therefore, better artists. They will gain experience using a variety of materials that may include pencil, charcoal, colored pencil, pastels, cray pas and ink. Drawing II and III students will be challenged to continue building their skills and create more advanced works of art.

ART115 Graphic Design I

ART172 Graphic Design II (L1)

ART173 Graphic Design III (L2)

Grades 9-12 1 Term ½ Credit
Class fee: \$10.00

Prerequisite: For Graphics III, C- or better in Graphics II.

Graphics classes will explore both traditional and contemporary media. Projects will focus on both consumer-related art as well as fine art. Traditional work will include drawing, printmaking, and photography. Students will spend most of their time learning computer-based programs such as Adobe PhotoShop. The upper-level courses will concentrate on advanced designs. This course is well-suited for those interested in Graphic Design as a career choice.

ART--- Independent Art

Grades 11-12 1 Term ½ Credit
Class fee: \$10.00

Prerequisite: Level 1 – Ceramics, Drawing, Graphic Design, Painting, or Sculpture & Metals

Independent Art is a course for students who would like to take a Level II or III Art course independently. It is preferred that students take regular Art classes but under special circumstances, with teacher approval, this option may be available. Students who would like to independently pursue an art or design concentration (such as fashion design, industrial design, architectural design, etc.) that is not offered in our regular Art classes may be able to do it with this class. Students MUST obtain an Independent Study Application from their school counselor BEFORE requesting this course. Also, students **must** have approval of the supervising art teacher to take this class.

ART118 Painting I**ART152 Painting II (L1)****ART153 Painting III (L2)**

Grades 9-12 1 Term ½ Credit

Class fee: \$10.00

Prerequisite: For Painting III, C- or better in Painting II.

Painting I will concentrate on color theory and the process of painting in several painting media including tempera, acrylic and watercolor. A variety of surfaces will also be explored including Masonite, paper, cardboard and canvas. Artists, styles and movements throughout history will be studied. Painting II and Painting III students will be introduced to oils and more advanced assignments will be required.

ART102 Photography I**ART192 Photography II (L1)****ART193 Photography III (L2)**

Grades 9-12 1 Term ½ Credit

Class fee: \$10.00

Prerequisite: For Photography III, C- or better in Photography II.

The level one photography course will focus on the technical use of the 35mm DSLR camera, techniques of making strong and effective compositions, and the history of photography. Upper level students will be challenged to build on their technical and compositional skills and develop and enhance professional presentation of photographs, including printing, matting and displaying.

ART130 Sculpture & Metals I**ART142 Sculpture & Metals II (L1)****ART143 Sculpture & Metals III (L2)**

Grades 9-12 1 Term ½ Credit

Class fee: \$10.00

Prerequisite: For Sculptures & Metals III, C- or better in Sculpture & Metals II

Students will create realistic and abstract 3-D works of art utilizing the subtractive and additive processes of carving, modeling, construction and assemblage. Stone, wood, metal, wire and paper are some of the media that may be used. Students will also explore the basic techniques involved in creating jewelry pieces such as pendants, pins and rings. Students will learn how to cut, solder, cast and finish metal.

Business & Information Technology

WITC Credit Courses: Earn college credit by taking these specially labeled Business & Information Technology courses. See Page 8 for more information.

BUS205/206 Accounting (L2)

Grades 10-12 2 Terms 1 Credit

Accounting is the study and preparation of financial records used in business. Students will learn the basic accounting concepts and career options. Concepts will include the double entry accounting system, accounting rules, the accounting equation, the accounting cycle, transaction entry, journals, posting to ledgers, financial statements, payroll, bank statements, taxes, depreciation, uncollectible accounts, inventories, notes, and interest. They will progress through two complete accounting cycles – a proprietorship and a corporation (this may also include a partnership). Special units will cover learning how to start and use automated accounting systems on microcomputers. Reinforcement activities and simulations will give the students actual accounting experience, and help to prepare them for entry-level accounting positions or for further study in accounting.

BUS258/259 Business Communication

Grades 10-12 2 Terms 1 Credit

Would you like to polish your communication skills and prepare for your future? This course helps students apply basic communication skills (reading, writing, listening and speaking) to everyday living and workplace situations. Students will select materials to achieve the course competencies (reading selections, presentation topics, etc...) based on their chosen career field. Local employers will provide input and spend time working with the class on workplace communication skills.

BUS255 Business Law (L2) (WITC Credit)

Grades 9-12 1 Term ½ Soc Credit

This course will cover the basics of personal law, which will help students make decisions to avoid conflict in future situations, and help them preserve their rights. This is a practical course that provides an overview of the substance of law, the understanding of the general procedures of law, and an insight into the spirit of the law. We begin with the origin of our laws and progress through a study of the court system, criminal and civil law, school laws, marriage and divorce laws, and employment laws. Students will also experience the court system through a mock trial and a field trip to the Polk County Courthouse.



BUS075 Careers & Technology- Business

Grades 10-12 1 Term ½ Credit

Course will be offered every school year.

In this course you will engage in career planning and goal setting for your future while utilizing MSOffice and other technologies. You will create an individualized learning plan (career pathway/map) to help you schedule the appropriate courses in high school that can help you achieve your career goals. The Career Cruising software/website will be used to complete self-assessments and research career options. You will complete a job shadow to see first-hand what skills are needed in the workplace, create job campaign materials (job application, résumé, cover letter, follow up letter, reference list), participate in mock job interviews with local employers, and compile a portfolio of artifacts to use when interviewing for scholarships, jobs, or post-secondary programs.

BUS290 Desktop Publishing I (L2) (WITC Credit)

Grades 9-12 1 Term ½ Credit

In this course you will create professional looking documents using desktop publishing software. Projects include: posters, brochures, packaging labels, and others. Graphic Design principles will be discussed and applied to documents.



BUS286 Desktop Publishing II (L2) (WITC Credit)

Grades 9-12 1 Term ½ Credit

Do you enjoy taking and editing photos? Students will explore Adobe Photoshop software to edit and manipulate photos and graphics. The course combines learning to use the software with hands-on projects. This course will practice skills in creating photo slideshows, layout/design, creativity, critical thinking, advertising/marketing, and planning as they apply to business photos/graphics.



BUS291 Desktop Publishing III (L2)

Grades 9-12 1 Term ½ Credit

Do you enjoy being creative? Students will use Adobe InDesign and Adobe Illustrator software to create a variety of documents including: flyers, business cards, posters, and magazine covers. The course combines learning to use the software with hands-on projects. This course will practice skills in layout/design, creativity, critical thinking, advertising/marketing, and planning as they apply to business documents.

BUS218 Employability Skills & Success Strategies (L1)

Grades 9-12 1 Term ½ Credit

Employers are seeking people who have developed both technical skills and human relations skills. This course will expose you with the skills and attitudes necessary for rewarding employment. Business and human relations concepts are applied to work situations. Topics include: accepting personal responsibility, discovering self-motivation, mastering self-management, employing interdependence, gaining self-awareness, adopting life-long learning, dealing with discrimination including sexual harassment, and preparing for employment.

**BUS221 Entrepreneurship I (L2) (WITC Credit)**

Grades 9-12 1 Term ½ Credit

This course is developed to provide students with the general skills and knowledge necessary to own and operate a small business. Throughout the course students will have opportunities to apply business concepts to realistic decisions made daily in small businesses. Students will get a chance to create their own business plan. Computers are used for research and documentation of issues affecting entrepreneurs.

BUS222 Entrepreneurship II (L2)

Grades 9-12 1 Term ½ Credit

Prerequisite: Successfully complete Entrepreneurship I.

Students will revise and update their business plans, create a website for their business, design marketing materials, and pitch their idea to local business professionals. There will be time for students to work on their own business and help with the school based enterprises.

BUS219 Game Design (L1)

Grades 9-12 1 Term ½ Credit

Prerequisite: Complete Algebra I with a "C" or better.

This course is designed for students interested in the gaming industry. It is intended to provide students with the understanding and skills necessary to design, develop, test and refine video games. It will include reading, writing, designing, some programming and some testing. Students will take apart video games to find out what makes them tick and use that knowledge to build their own.

BUS225 General Business & Economics

Grades 9-12 1 Term ½ Soc Credit

This course provides you with a general background in economic concepts including: the global economy, measuring economic performance, how the private enterprise system works, social/ethical responsibilities of business, economic challenges facing business, the global economy, the role of government in our economy, and money & financial institutions. Business and economic concepts are applied to real-life projects. You will learn about the stock market and participate in a 9-week stock market simulation online. Computers are used to explore and solve business issues in our society.

BUS241 Information Processing I

Grades 9-12 1 Term ½ Credit

Students develop speed and accuracy using the touch operation of alphanumeric keyboard characters. Topics: simple proofreading, operation of computer equipment/software, review of language skills through compositions, and formatting of business documents (letters, reports, memos, and tables), and a brief introduction to the correct use of the 10-key numeric pad. Students will complete an office simulation as a final project.

**BUS242 Information Processing II (L1) (WITC Credit)**

Grades 9-12 1 Term ½ Credit

Prerequisite: Successful completion of Information Processing I.

As a continuation of Information Processing I this course reinforces speed and accuracy at the keyboard. Microsoft Word software is used to produce more detailed documents with more complex formatting including reports, outlines, tables, letters, memos, agendas, minutes, itineraries, mail merges, and labels. Simulations are used to make this course more realistic. A unit on the 10-key numeric pad will be included. Microsoft Excel software will be introduced and used to create business documents.

BUS243 Information Processing III (L2)

Grades 10-12 1 Term ½ Credit

Prerequisite: Successfully complete Information Processing I & II.

This course is a continuation of Information Processing II with continuous reinforcement of speed and accuracy at the keyboard. Microsoft Office software is used to produce a variety of business documents and forms. There is an integration of Word, Excel, Access, and PowerPoint applications with emphasis on business applications. This course will also include a unit on the correct use of the ten-key numeric keypad.

BUS284 IT Essentials I (L2) (WITC Credit)

Grades 10-12 1 Term ½ Credit



This course will introduce many of the basic and advanced concepts, issues, and techniques related to the job of an IT (information technology) Professional. Students will learn about various types of hardware, software, networking, and security. The following concepts will be taught: terminology, components of a personal computer, components of a laptop computer, various other portable IT devices, installation of operating systems and software, installation and maintenance of a printer/scanner, set up of a network, and data and hardware security. The course will include a number of labs both virtual and hands on. Students will deconstruct and reconstruct both a personal computer and laptop computer. Through the use of a virtual machine students will install an operating system, printer/scanner, and network with security features. Students will have the option of taking the IT Essentials: PC Hardware and Software certification test through CISCO.

BUS287 IT Essentials II (L2)

Grades 10-12 1 Term ½ Credit

Prerequisite: Pass IT Essentials I with CISCO certification

This course will expand on many of the basic and advanced concepts, issues, and techniques related to the job of an IT (information technology) Professional. Students will learn about various types of hardware, software, networking, and security. The following concepts will be taught: terminology, components of a personal computer, components of a laptop computer, various other portable IT devices, installation of operating systems and software, installation and maintenance of a printer/scanner, set up of a network, and data and hardware security. The course will include a number of labs both virtual and hands on. Students will use a curriculum similar to CISCO provided online. Students will be able to choose a focus area and may choose to pay an additional fee to take the related certification exams. This course will be taught during the same block as IT Essentials I and will be treated similarly to an independent study.

BUS202/203 Marketing I (L2) (WITC Credit)

Grades 9-12 2 Terms 1 Credit



Students will study basic marketing concepts, including free enterprise, product development, pricing strategies, promotion and advertising, distribution, and marketing research. This is a hands-on course where students will be able to use their business and creativity skills to solve problems. Students will have an opportunity to develop a product, determine distribution methods, develop a pricing strategy and create advertisements. At the end of the course students will put together the parts of the product creation project to create a marketing plan. Computers are used daily to complete business tasks.

BUS207/208 Marketing II (L2)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Successfully complete Marketing I.

This course will focus on a number of topics relating to the business world. Basic business and marketing concepts will be reviewed. Students will learn concepts of free enterprise (supply and demand), occupational skills (customer service, professionalism, communication, technology), marketing research techniques, the four p's (product, price, place, promotion), sales and selling, entrepreneurship, and the careers available in marketing in relation to their focus of choice. Students will choose a focus from the following options: fashion marketing, hospitality & tourism marketing, retailing, sports & entertainment marketing, and advertising and sales promotion. Throughout the course students will complete a variety of projects that may include creating their own product, writing a business plan, writing an advertising plan, completing a marketing campaign, or creating a sales presentation. This course will teach students a wide range of business related topics and will help to prepare students for college and the work force. This course will be taught during the Marketing I course as an independent study style course.

COM340 Microsoft Office I (L1) (WITC Credit)

Grades 9-12 1 Term ½ Credit



In this course students will use Microsoft Word, Excel, Power Point, Access, and Outlook 2010 to create word processing documents, databases, spreadsheets, and presentations. Students will also learn how to integrate those applications. Students will learn to use the Internet to find accurate information. Students will also learn to use Outlook for scheduling and maintaining personal records. A brief introduction to desktop publishing and Publisher may also be included.

COM341 Microsoft Office II (L2) (WITC Credit)

Grades 9-12 1 Term ½ Credit



Prerequisite: Successfully complete Microsoft Office I.

This course is a continuation of the Microsoft Office I course. Students will do more advanced projects using Word, Excel, Access, and PowerPoint and will complete more advanced integration projects. Students will use the Internet to import data and graphics into documents. This course will also include a brief unit on using Microsoft Outlook to schedule and maintain personal records. Students may be eligible for receiving the Microsoft Office User Specialist (MOUS) certification.

COM339 Microsoft Office III (L2)

Grade 10-12 1 Term ½ Credit

Prerequisite: Successfully complete Microsoft Office I and II.

This course will expand on the uses for the Microsoft Office Suite. This is a senior level capstone course and will be tailored to each student. The course will cover the use of Word, Excel, Access, PowerPoint, Publisher, and Outlook. Students will create a professional graduation invitation, database of addresses, mail merge for mailing labels, senior video of themselves with video and music (to play at graduation parties), create a calendar of dates and a task list, and update their career portfolios (resume, letters of recommendation, application letters, references, and other items needed for applying for jobs and college admission). In addition, students will use GoogleDocs to complete a simulation and learn methods for storing the above data to the cloud. Students may be eligible for receiving the Microsoft Office User Specialist (MOUS) certification.

BUS269 Personal Finance (L2) (WITC Credit)

Grades 10-12 1 Term ½ Soc. Credit



This course will help you improve your financial literacy. Students will learn about their financial responsibilities and how to manage their money. Topics covered include: goal setting, career planning and college research, employee pay and benefits, budgeting, comparison shopping, banking services, credit management, saving and investing, housing options, and insurance. Some activities include: learning to balance a checkbook, preparing taxes, creating a budget and cash flow statement, participating in the virtual stock exchange, and preparing an amortization schedule for a loan. As a final project students will create a personal financial planning portfolio.

English

Required Courses:

ENG425/426 English 9

Grade 9 2 Terms 1 Credit

English 9 is a course that will introduce and enlighten high school freshmen about various genres of literature. Freshmen will also explore and learn the basic principles of the writing process through daily writing activities. In addition to discovering and improving their writing skills, the students will also sharpen their vocabulary, grammar, and reading skills through their writing experiences.

ENG430/431 English 10

Grade 10 2 Terms 1 Credit

Prerequisite: Passing grades in English 9.

English 10 is a course that allows students to develop their communication skills of reading, writing, speaking, and listening. For example, students will improve their writing skills through frequent practice and use of the writing process. In addition, students will read and interpret various forms of literature including novels, short stories, drama, and nonfiction. Students will also refine their public speaking and research skills through a project that culminates in an oral presentation.

JUNIORS: Choose between:

**AP ENGLISH LITERATURE AND COMPOSITION or
ENGLISH 11**

ENG480/481 AP English Literature and Composition (L4)

Grade 11 2 Terms 1 Credit

Prerequisite: Students must have a Grade Point Average (GPA) of "B+" or better in prior English courses.

Note: Amery High School reserves the right to limit class size in this course. Should class size be limited, GPA, prior English courses taken and writing scores will be used to determine class placement.

This course engages students in the careful reading and critical analysis of imaginative literature through close reading of American and British novels, drama and poetry. Students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style and themes, as well as the use of figurative language, imagery, symbolism, and tone. Writing is an integral part of this course and focuses on the critical analysis of literature with expository, analytical, and argumentative essays. This course is designed to offer students the opportunity to take the AP English Literature & Composition exam, which may enable students to earn college credit. Students are expected to commit themselves to this intensive study course, which includes reading two novels over the summer break.

ENG435/436 English 11

Grade 11 2 Terms 1 Credit

Prerequisite: Passing grades in English 10.

English 11 focuses on the introduction and exploration of American Literature through short stories, prose, drama, poetry, and novels from 1600 to the present. One of the requirements of this course is the successful completion of a major research paper. In the process of writing the research paper as well as other written projects, students will work to improve vocabulary, usage, and grammar skills as needed.

SENIORS: In order to graduate from Amery High School, all students *must* complete their choice of one of the following:

- **Pass both terms of College Preparatory English OR**
- **Pass English 12 and an additional ½ credit of English. If a student fails a term of English 12 or College Preparatory English, that student is still required to pass a term of English 12.**

ENG405 English 12

Grade 12 1 Term ½ Credit

Prerequisite: Passing grades in English 11.

This is one of the choices for the required senior level English credit. Students will refine their writing and overall communication skills. In addition to the various writing assignments, the following areas will be covered: short stories, grammar, the writing process, oral presentations, and a research project.

ENG490/491 College Preparatory English (L3)

Grade 12 2 Terms 1 Credit

Prerequisite: Students seeking the challenge of College Preparatory English must have earned a minimum "B" average in all prior English courses.

Note: Class sections are limited to 25 students. Any cutoff decisions will be made using students' GPA's, prior course grades, and writing scores.

College Preparatory English is an advanced course designed to help students polish the communication skills needed at the college level. After completing this course, students will have the option of taking the AP English Language and Composition exam offered in the spring. Individuals interested in the challenges of this course will be expected to develop their writing skills through intensive practice and use of the writing process. In addition, students will complete a major research project as well as critique works of fellow students and professional authors. The course also involves literature studies including the reading of excerpts from British literature and a Shakespearean drama. Students who choose College Preparatory English as their senior level English credit are expected to commit themselves to the demanding coursework.

English Electives:

ENG458 Creative Writing (L1)

Grades 9-12 1 Term ½ Credit

This course focuses on the exploration and craft of creative writing in its various forms: stories, creative nonfiction narratives, dramatic scripts, and more. Students will use the writing process to address different topics in a variety of formats and genres. Students will become familiar with literary terms as well as techniques and tools essential to effective writing. The coursework will culminate in a written portfolio that showcases the students' best work.

ENG414 Drama (L1)

Grades 9-12 1 Term ½ Credit

** (Course offered in 2020-2021 and is offered even numbered school years thereafter)**

This course is designed to allow students to further their interests in drama/theater. The course will examine classical and modern drama as forms of literature as well as a means of expressing oneself. Students may participate in activities such as pantomime, improvisation, storytelling, and oral interpretation, in addition to script reading, writing, performing, and evaluating. An integral part of the course involves attending one or more live theater performances. Students will be required to pay for costs involved (approximately \$10 - \$30). ***This course does not produce the school play.***

ENG471 Independent Reading (L1)

Grades 9-12 1 Term ½ Credit

The purposes of this class include the following: to enable students to select and read books independently, to expose students to a wide variety of authors and types of literature, and to offer students opportunities to share what they have read through oral and written communication. A classroom paperback library containing a variety of contemporary best sellers and classics is available for student use. The course will also address various literary topics and reading skills based on students' needs. Some of the student's class time is spent reading from selections of the student's choice. Each student has periodic private conference time with the teacher to discuss books being read. Projects, written journal entries, and oral class reports are expected as well as the reading of some required classic literature.

ENG456 Media Literacy (L1)

Grades 9-12 1 Term ½ Credit

This course will equip students with tools to interpret media that shapes their lives. Students will consider sources of digital media such as YouTube, Twitter, Facebook, news websites, advertisements, blogs, and other sources as they explore the bias and reliability of today's media. The course will focus on digital and online literacy to educate students to insightfully and critically approach information presented through digital media and news sources. Frequently, media persuades, sells, or entertains rather than strictly informs, so it is challenging—yet critically important to consider bias in the information we receive to make informed decisions from information presented in the media. Another aspect of the course will explore students' intentional and everlasting media presence, focusing on how they can positively shape their digital identity and reputation. Course materials will focus on current events using constantly updated materials.

ENG452 Mythology (L1)

Grades 9-12 1 Term ½ Credit

Join the adventure as we learn about the ancient Greek world, its gods, goddesses, heroes, monsters, and supernatural creatures. Read the most famous myths, the story of the Trojan horse, a Greek tragedy, and THE ODYSSEY, the most famous adventure story in the world. Course work includes reading, taking notes, and informal presentations.

ENG442 Poetry and Lyrics (L1) (formerly named: *The Reading and Writing of Poetry*)

Grades 9-12 1 Term ½ Credit

** (Course offered in 2021-2022 and is offered odd numbered school years thereafter)**

This course focuses on poetry as a form of literature as well as a form of self-expression, allowing students to read, write, and respond to poetry. Students will be exposed to various types of poets and poetry, ranging from classical to modern. Other course activities may include creative thinking, language play, oral readings, poetic structure analysis, and publishing opportunities.

ENG454 Public Speaking & Communications (L1)

Grades 10-12 1 Term ½ Credit

** (Course offered in 2021-2022 and is offered odd numbered school years thereafter)**

Public speaking is a one-term course designed to give students opportunities to develop themselves as communicators in public situations. Students will present individual informative, persuasive, and special occasion speeches. Group activities and presentations such as debate will be covered. Students will also get the opportunity to practice performing arts such as drama, and oral interpretation.

ENG460 World Literature (L1)

Grades 9-12 1 Term ½ Credit

** (Course offered in 2020-2021 and is offered even numbered school years thereafter)**

Throughout this course we will read various translated novels from other parts of the world. An important goal of the class is to promote an understanding of other cultures and the enduring human values which unite us all through different works of literature. The course work will involve students analyzing literature for theme and structure; discussing, comparing, and writing about notable works and authors. Some works we will study are *Things Fall Apart* by Chinua Achebe, *Persepolis* by Marjane Satrapi, and *Chinese Cinderella* by Adeline Yen Mah. After the completion of each work, students will have the opportunity to explore these countries by trying various foods and celebrating their culture!

Family & Consumer Education

FCE518 Architecture and Design I

FCE523 Architecture and Design II (L1)

Grades 9-12 1 Term ½ Credit

This is a computer-aided design class based on the fundamentals of interior design. Students will be designing all areas within the home, based on interior design standards. Areas of study include traffic patterns, color applications, blueprint reading, principles of design, housing styles and much more.

FCE075 Careers & Technology-FACE

Grades 10-12 1 Term ½ Credit

Course will be offered 2021-2022 school year.

In this course you will engage in career planning and goal setting for your future while utilizing MSOffice and other technologies. You will create an individualized learning plan (career pathway/map) to help you schedule the appropriate courses in high school that can help you achieve your career goals. The Career Cruising software/website will be used to complete self-assessments and research career options. You will complete a job shadow to see first-hand what skills are needed in the workplace, create job campaign materials (job application, résumé, cover letter, follow up letter, reference list), participate in mock job interviews with local employers, and compile a portfolio of artifacts to use when interviewing for scholarships, jobs, or post-secondary programs.

FCE506 Child Development

Grades 9-12 1 Term ½ Credit

Parenting, child development, and child guidance are the emphasis of this course. This class also includes money management, time and stress management, and family crisis units.

FCE503 Child Services (Assistant Child Care Teacher) (L2)

Grades 9-12 1 Term ½ Credit

Prerequisite: Child Development

This class will prepare the students for occupations in child care and guidance. Human relations, employability and career development skills will be stressed. Students in Grade 11-12 will have the opportunity to become certified as an assistant child care teacher and receive college credit for this class. Certification is NOT available for students in Grade 9-10.

FCE512 Cooking and Catering I (L1)

FCE513 Cooking and Catering II (L1)

Grades 9-12 1 Term ½ Credit

Prerequisite: Foods I, Pastry and Desserts or Food Science

Breakfast foods, appetizers, soups, sandwiches, entrees, food garnishing and catering are topics we will explore. Instructional and intensive laboratory experiences will include commercial and catering standards. Students will study and explore the purchasing, storage, and the service of food.

FCE521 Fashion Design I

Grades 9-12 1 Term ½ Credit

Students will study the physical, emotional, social, historical and cultural influence of clothing as well as the impact of the media on fashion. By looking back at fashions throughout history students will develop an understanding of basic principles that guide fashion and learn the language of clothing. Consumer habits, fabrics, machine embroidery and basic clothing construction will be explored.

FCE508 Fashion Design II (L1)

Grades 9-12 1 Term ½ Credit

Prerequisite: Passing grade in Fashion Design I.

Students will expand on their knowledge of fashion and design. They will have the opportunity to explore the role of fashion in everyday life, develop a sense of personal style, and investigate careers related to the fashion industry.

FCE526 Food Science Made Fun (L1)

Grades 9-12 1 Term ½ Science Credit

Is learning about the science of food important? It all depends on your answer to the following questions: Did you eat today and are you planning on eating tomorrow? How long did it take for you to make that product? What ingredients were in it? Food Science is one of the fastest growing career areas. It is also where the new and exciting jobs are being found. Not just any job...but jobs that pay well! Food Science and AgProcessing are the past, present and future of the food industry. This class will track food products from the farmer to the consumer as well as teach students about how that product is made so that it is exactly what the consumer wants. Students will investigate key players and trends in the food industry. We will be working with milk/dairy products, cereals, grains, fruit, vegetables, meat, poultry, eggs, fish, beverages and more. Students will also gain an understanding of food safety and careers in food science.

FCE515 Foods I- Foods and Nutrition

Grades 9-12 1 Term ½ Credit

Foods and nutrition explores the responsibility of the family for helping its member's meet their food needs. Food-related goals, such as nutrition, availability, preparation, monetary and human cost, and safety are the emphasis of this course. Social and cultural foods will be explored.

FCE525 Foods II (L1)

Grades 9-12 1 Term ½ Credit

Class fee: \$10.00

Prerequisite: Foods I or Pastry and Desserts

In Foods II students will have the opportunity to study and prepare foods from various countries and cultures. Management of resources (energy, time, and money) will be stressed. Through the participation in various labs such as shellfish, beef, Mexican, Chinese, Italian, cakes, breads, pies, fudge/candy and others students will work cooperatively to practice resource management skills.

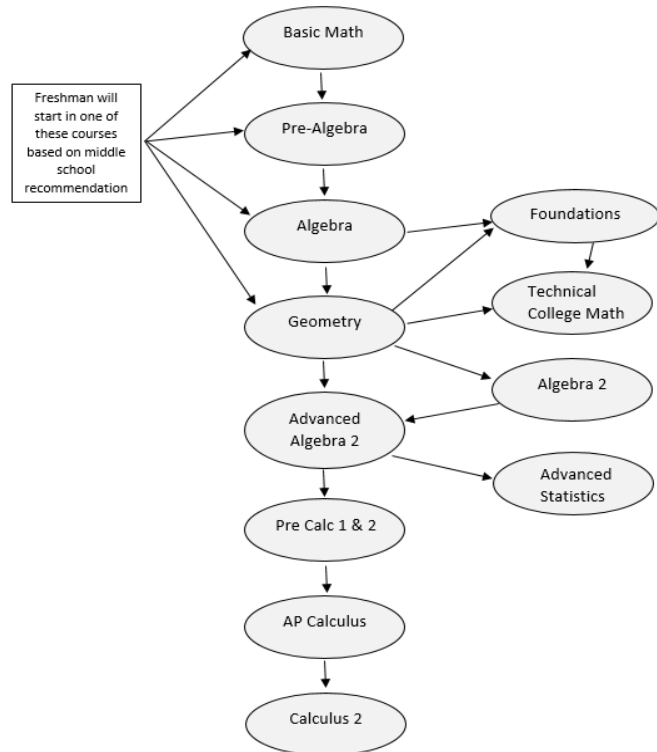
FCE510 Pastry and Desserts

Grades 9-12 1 Term ½ Credit

Cheesecake, cookies, pies, chocolate mousse, tarts, croissants, ice cream and desserts from around the world will be explored in this class. Students will learn practical experiences in preparation of bakery items and merchandising of the product from the perspective of a baker or pastry chef.

Math

Please refer to the flow chart below when selecting math classes. If you have questions, see one of the math teachers or the school counselors.



MTH340/341 Advanced Algebra II (L2)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Grade of "B" or better in Algebra I and Geometry

Advanced Algebra II is a continuation of Algebra I with greater emphasis on problem solving, solving equations and inequalities, using and rewriting formulas, and linear equations. Other topics studied include slope, relations, functions, equations of lines, systems of equations and inequalities, radicals, square roots, direct and indirect variations, and quadratic equations and their graphs. This class is strongly recommended for students who intend to take chemistry, physics, advanced math, or are interested in a career area where mathematics is required such as science, electronics, electricity, drafting, economics, psychology, or computer science.

MTH372/373 Advanced Statistics & Probability (L3)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Advanced Algebra II

This course is an introduction to probability and statistics with emphasis on techniques and applications that are useful in business, engineering, social and biological sciences. Students will design, administer and tabulate results from surveys and experiments. Simulations will be used to model real life probabilities and the latest technologies will be used to investigate statistical concepts.

MTH300/301 Algebra I

Grades 9-11 2 Terms 1 Credit

Prerequisite: Grade "C" or better within previous mathematics classes.

The main objective is to solve mathematical problems by writing and solving a number sentence. So that this objective can be achieved, other concepts like applying formulas, solving equations and inequalities, factoring, and graphing are discussed. Other practical concepts such as operations with fractions, ratios and proportions, area, volume, metric system, and percentages are also covered. Algebra is the initial course in the mathematics sequence. Those considering classes or career areas related to this area such as science, electronics, economics, drafting, or computer science are urged to enroll.

MTH308/309 Algebra II (L1)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Passing grades in Algebra I and Geometry

Algebra II is a continuation of Algebra I with greater emphasis on problem solving, solving equations and inequalities, using and rewriting formulas, and linear equations. Other topics studied include slope, relations, functions, equations of lines, systems of equations and inequalities, radicals, square roots, direct and indirect variations, and quadratic equations and their graphs. This class will have a slower pace and less depth than Advanced Algebra II and is recommended for those students who had some difficulty in the past with math classes. This course will not satisfy the prerequisite for Pre-Calculus.

MTH375/376 AP Calculus AB I (L4)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Pre-Calculus I & II

AP Calculus AB I offers the same content as that which is in a first semester college calculus course, with problems and applications in related rates and motion. Applications are typically centered around science and business.

MTH385/386 AP Computer Science Principles (L4)

Grades 9-12 2 Terms 1 Credit

Prerequisite: Successful completion of Algebra I

An AP course is a rigorous, college level course that will introduce students to the foundations of modern computing. The completion of several projects will be required. Some of the topics included are the Internet, algorithms, programming, big data, digital privacy and security, and societal impacts of computing. This is intended to be a first course in computing though students with computing experience will also find the course engaging. AP scores are based 40% on two submitted projects and 60% on an exam in May.

MTH314 Calculus II (L3)

Grades 11-12 1 Term ½ Credit

Prerequisite: AP Calculus AB I

Calculus II includes continuing work and application of integral calculus, and practice work in preparation for the AP-calculus exam. Calculus II students become experts at first semester college calculus content.

MTH316/317 Foundations of Math

Grades 10-12 2 Terms 1 Credit

Prerequisite: Successful completion of Algebra I or Geometry

Foundations of Math is a semester course intended for students who are ready to apply their basic math skills. Topics covered include data analysis, equations, probability, graphing, basic geometry, basic algebra, and trig ratios.

MTH320/321 Geometry

Grades 9-11 2 Terms 1 Credit

Prerequisite: Algebra I with a grade of "C-" or better

Geometry involves the study of two-dimensional and three-dimensional figures and their relationships. Students learn to form conjectures through inductive and deductive reasoning and apply them to real world situations. Besides mastering mathematical skills, emphasis is placed on problem-solving and communication.

MTH345/346 Introduction to Computer Science and Programming (L1)

Grades 9-12 2 Terms 1 Credit

Prerequisite: Successful completion of Algebra I

This course introduces students to the foundations of modern computing. Some of the topics included are the Internet, algorithms, programming, big data, digital privacy and security, and societal impacts of computing. This is a hands-on course and all required work will be completed in class.

MTH001/002 Pre-Algebra**MTH003/004 Pre-Algebra (skinny)**

Grades 9-11 2 Terms 1 Credit

Prerequisite: Consent of Guidance Office and/or Special Education Department

This course is designed to help students strengthen their basic math skills in preparation for taking Algebra I. Emphasis is placed on real-life applications of math, calculator use, simple algebra and problem solving techniques.

MTH338 Pre-Calculus I (L3)

Grades 10-12 1 Term ½ Credit

Prerequisite: Algebra I, Geometry, and Advanced Algebra II. In order to take Pre-Calculus as a sophomore, you must have earned a B+ or higher in Advanced Algebra II.

This course is an extension of Advanced Algebra II. Students expand their knowledge and practice application with a variety of categories of equations such as linear, quadratic, rational, polynomial, exponential, and logarithmic.

MTH339 Pre-Calculus II (L3)

Grades 10-12 1 Term ½ Credit

Prerequisite: Geometry, Advanced Algebra II, Pre-Calculus I. In order to take Pre-Calculus as a sophomore, you must have earned a B+ or higher in Advanced Algebra II.

This course is an extension of geometry. Topics of study include radian and degree measure, right triangle trigonometry, applications of right triangle trigonometry, trigonometric functions and their graphs, analytic trigonometry, Law of Sines, Law of Cosines, and vectors.

MTH318/319 Technical College Mathematics (L2) (WITC Credit)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Successful completion of 2 credits of Math

This course will focus on using a variety of math skills in applications that might be found in a technical college setting. These skills will include basic arithmetic including integers, fractions and decimals. Emphasis will be placed on using and manipulating formulas. Some introductory algebra, geometry and statistics will also be covered.

This course is one of three classes that students are required to take for WITC's Construction Essentials Program.



Music

Chamber Choir

Course # MUS100, MUS101, MUS102 and MUS103
Grade 9 Year ¼ Credit per Term

Prerequisite: The Chamber Choir is open to any high school student. No prior experience is necessary. It is primarily scheduled to be a Freshman group, but open to all grades.

The Chamber Choir is an introduction to High School level choral singing. Chamber Choir meets daily. The group provides a foundation of vocal techniques and opportunities to sing a variety of styles of choral music. It is required that a student sing in this choir for a semester to be eligible for involvement in the Concert Choir. If this is not possible due to a schedule conflict that cannot be resolved, this needs to be communicated to the director so the students may still be considered for Concert Choir. The Chamber Choir is involved in three performances during the school year: Christmas Concert, Fine Arts Concert, and Large Group Contest. These performances are mandatory, and unexcused absences could result in removal from Chamber Choir. Absences will be regarded as excused or unexcused at the discretion of the director.

Concert Choir

*Laude I Course # MUS130, MUS131, MUS132 and MUS133
*Laude II Course # MUS150, MUS151, MUS152 and MUS153

Grades 10-12 Year ¼ Credit per Term

Prerequisite: Prospective members of Concert Choir must have been in Chamber Choir, and then must audition for Concert Choir. Size of the choir will vary between 65 and 90 members at the discretion of the director. First consideration for membership is given to those who were involved in Chamber Choir.

Concert Choir is primarily an acappella choir (sings without accompaniment) and meets daily in a block shared with band. It provides a more advanced level of choral singing technique and performance literature. The group performs music of a wide variety of styles to give the singers a quality and educational choral experience. Concert Choir is involved in a minimum of five performances during the school year: Veterans Day, Christmas Concert, Large Group Contest, Fine Arts Concert, and Graduation. These performances are mandatory, and unexcused absences could result in removal from Concert Choir. Absences will be regarded as excused or unexcused at the discretion of the director.

High School Band

Course # MUS116, MUS117, MUS118 and MUS119
*Laude I Course # MUS160, MUS161, MUS162 and MUS163
*Laude II Course # MUS170, MUS171, MUS172 and MUS173
Grades 9-12 Year 1 Credit per Year

Prerequisite: Students in district must have completed the middle school band curriculum. Students that transfer into the district in grades 9-12 must have consent of the instructor to join band.

Band is a 12-month program. It provides the instrumentalist with a music education through rehearsal and performance. The student gains both individual and group experience by performing for the school and community functions. The program is divided into two basic seasons - marching and concert. While members of the band, students have the opportunity to participate in pep band, jazz band, and instrumental contest.

*Note about Laude Level for Band and Concert Choir:
Students in Band or Choir for 2 years will receive a Level 1 laude level credit. Students in Band or Choir for 3-4 years will receive a Level 2 laude level credit.

Physical Education & Health

HLT211 Health 9

Grade 9 1 Term ½ Credit

The approach to this Health class is a program of choices and wellness. This class includes the Major Public Health Problems such as drugs, suicide, eating disorders, communicable diseases, sexually transmitted diseases, A.I.D.S.

PED400 Phy Ed 9 (Full block)

PED005/006 Phy Ed 9 (skinny)

Grade 9 1 Term ½ Credit
(2 Terms for skinny)

Areas covered are fitness, soccer, tennis, softball, badminton, pickle ball, ultimate team handball, volleyball, and CPR.

PED003/004 General PE Skinny I

PED007/008 General PE Skinny II

Grade 10-12 1 Term ½ Credit

Prerequisite: PED400 or PED005/006

This is a general physical education class that is offered specifically for students who need a skinny opposite of band, choir or another skinny. A wide variety of activities are covered over this semester long course of 45 minute classes. Some examples are pickleball, volleyball, basketball, golf, softball, soccer, kickball, fitness, sportsmanship, walking, aerobics, dance, team building, games, etc.

PED414 Advanced Weight Training and Fitness (L1)

Grades 11-12 1 Term ½ Credit

Prerequisite: PED402

This class is truly an advanced weight training course for only those students who have successfully completed PED402. Students enrolled in the Advanced Weight Training course will experience the opportunity take the BFS (Bigger, Faster, Stronger) program to an entirely top-notch level. Each student enrolled will be required to keep daily and weekly written body weights, nutrition logs, calorie counts, and percent body fat checks. This course is designed for the student/athlete who is truly concerned with their physical appearance, the improvement of athletic performance, and the overall improvement of their physical health. This class would be strongly recommended for those athletes looking to improve their strength and performance capabilities in athletic competition.

PED405 Indoor Lifetime Activities

Grades 9-12 1 Term ½ Credit
Class Fee: \$40 (bowling & transportation costs)

Prerequisite: PED400

This is a general physical education class with an emphasis on indoor activities. Units: Bowling, Badminton, Pickle ball, Table Tennis, Shuffle Board, Weight Training/ Circuit Training/ Aerobics (lifetime focus).

PED409 Indoor Team Sports

Grades 9-12 1 Term ½ Credit

Prerequisite: PED400

This is a general physical education class with an emphasis on indoor activities. Units: Basketball, Handball, Volleyball, Speedball, Eclipse Ball, Weight Training, Line Soccer.

PED408 Lifetime Fitness

Grades 9-12 1 Term ½ Credit

Prerequisite: PED400

This class is for the student that loves the benefits of physical activity but prefers low-impact activities and a non-competitive environment. This is a general physical education class with an emphasis on lifetime aerobic activity. Units: Walking, Weightlifting, Aerobics- step, yoga, dance. Students enrolled in this class should have an excellent pair of shoes and be prepared to walk/jog outdoors in most weather conditions for 70 minutes a day. Students will be allowed to have walking partners and use headphones while exercising.

PED404 Outdoor Lifetime Activities

Grades 9-12 1 Term ½ Credit

Prerequisite: PED400

This is a general physical education class with an emphasis on outdoor activities during the warm weather months. Units: Golf, Tennis, Softball, Disc Golf, Aerobics, Lawn Games.

PED407 Outdoor Team Sports

Grades 9-12 1 Term ½ Credit

Prerequisite: PED400

This is a general physical education class with an emphasis on outdoor activities. Units: Ultimate, Flag Football, Lacrosse, Soccer, Softball.

PED415 Survival Skills (L1)

Grades 11-12 1 Term ½ Credit

Class fee: \$20 (transportation costs)

Prerequisite: PED400 or PED005/006; Students must have earned their hunter safety card by the time they register for this class. Students must have access to their own archery equipment.

This is an advanced class for highly motivated students who love the outdoors and physical challenges. Students in Survival Skills dress in camouflage, get their hands dirty and work hard as a member of a team. Teams and activities are set up to challenge groups and individuals to get things done under tough conditions. If you love the sense of accomplishment which comes with pulling together to complete a task, then this is the adventure for you. Team-building, orienteering and archery are just a few of the activities as you utilize facilities and nature on and off campus.

PED402 Weight Training and Fitness

Grades 10-12

1 Term

½ Credit

Prerequisite: PED400

This is an advanced class for highly motivated students. Students in Weight Training and Physical Fitness will experience intense muscle pumping and heart pounding exercise. Students who are concerned about their physique, athletic performance and life-long health will find this class enlightening as they learn about:

- The components which make a person fit
- Muscular and skeletal anatomy and physiology
- Varied exercise methods
- The weight room and exercise equipment
- Correct weight lifting techniques
- And the incredible ability of the human body to grow stronger as it adapts to the physical burdens applied to it.

Weight Training students come away from this class with a new level of self-confidence and pride when they see the tremendous gains they make in just 9 weeks. This class is strongly recommended for athletes looking for a comprehensive introduction to training for athletic competition.

Science

WITC Credit Courses: Earn college credit by taking these specially labeled Science courses. See Page 8 for more information.

SCI798/799 Anatomy, Physiology and Disease Concepts (L2) (WITC Credit)

Grades 10-12 2 Term 1 Credit



Prerequisite: Passing grade in General Biology

This course is a study of human anatomical structure, physiology, and the basic mechanisms of disease. It is designed to meet the unique educational needs of the medical secretary/office personnel (medical transcription/medical coding). The course focuses on assessment, diagnosis and treatment of commonly occurring medical conditions. The course will be structured to application of the content through case studies and group discussions. It is meant to provide a solid knowledge base for students entering work in health care settings. It is recommended that the student have a basic knowledge of medical terminology. THIS COURSE IS AVAILABLE FOR TRANSCRIPTED CREDIT THROUGH WITC.

SCI795/796 AP Biology (L4)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Letter grade of B or higher in Integrated Science, General Biology, and Chemistry.

AP Biology is an advanced study of the biological sciences. This course is a must for anyone going into biology related careers or anyone going into the health sciences. In addition, if you plan to pursue college in a non-science area, passing the AP test would allow you to use those as science requirements. In this course we explore biochemistry, how cells get energy, advanced genetics, advanced ecology, and animal physiology. It will be laboratory extensive with the use of up-to-date equipment in the study of living systems. Participation in the AP test is not required and is not the main emphasis of the course. However, students will be adequately prepared for the exam if they should choose.

SCI780/781 AP Chemistry (L4)

Grades 11-12 2 Terms 1 Credit

** (Course offered in 2020-2021 and is offered even numbered school years thereafter – alternates with AP Physics)**

Prerequisite: "B" or higher in Chemistry

AP Chemistry is a course that should be taken by students considering a career in a STEM (science, technology, engineering, and math) field, including all sciences and/or engineering, medical field or advanced agriculture fields. The emphasis of AP Chemistry is on problem solving and inquiry in the lab. The curriculum is based on these main ideas: structure of matter, bonding, chemical reactions, kinetics, thermodynamics, and chemical equilibrium. AP Chemistry follows the AP curriculum and will prepare the student for the AP exam.

SCI785/786 AP Physics C: Mechanics (L4)

Grades 11-12 2 Terms 1 Credit

** (Course not offered in 2020-2021 but is offered odd numbered school years thereafter – alternates with AP Chemistry) **

Prerequisite: C+ of higher in Physics

This second year physics class is for students who are seriously considering pursuing careers related to physical science, engineering or mathematics. In addition, students enrolling in the course will have the opportunity to earn college credit by achieving a qualifying score on the AP physics exam. This course is designed to be nearly identical to a first semester university physics course for scientists and engineers. Topics for this course are: kinematics, Newton's laws, energy and power, rotational motion, collisions, harmonic motion and orbital mechanics.

SCI715 Astronomy

Grades 9-12 1 Term ½ Credit

Prerequisite: Algebra I and Integrated Science

Astronomy is the study of what is beyond the surface of the Earth. From the Moon to the Solar System to our galaxy and beyond, we investigate what these objects look like, how they behave in their origin, and their ultimate fate. Simple equations are used in our calculations but knowledge of scientific notation and operation of scientific calculators is required. Notes, the Internet, book work and also the history of our investigations over the past years are used to investigate our world and the universe beyond. Manned and unmanned space missions are an integral part of our Internet study of the solar system.

SCI750/751 Chemistry (L3)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Sophomore student: Must have completed both Geometry and General Biology with a "B" or higher.

Junior/Senior student: Must meet one of the two following requirement options, not both:

Option 1: Must have completed Geometry with a "B" or higher and General Biology with a "C" or higher.

Option 2: Must have completed both Algebra II and General Biology with a "C" or higher.

This course is designed to give the students an adequate basis in inorganic chemistry. Emphasis is directed toward these concepts: matter and energy, measurement in chemistry, matter and its changes, atomic structure, arrangement of electrons in atoms, periodic law, chemical bonds, chemical composition, chemical equations, gas laws, molecular composition of gases, liquids-solids-water, solution process ionization, acid, bases and salts, acid-base titration, oxidation-reduction reaction. With this background in chemistry the students should have developed a sufficient understanding to meet their needs in introductory college courses. The course is laboratory extensive and is strongly suggested for students planning to attend college.

SCI745/746 Freshwater Ecology (L1)

Grades 11-12 2 Terms 1 Credit

Prerequisite: General Biology

Freshwater Ecology will involve the exploration of the water environment and using science to study the quality of our water resources. This will include studying the ecology of various water ecosystems around Amery. In addition, we will explore human impact on these ecosystems as well as our use of natural resources. Freshwater Ecology will be a laboratory extensive course, which will involve a great deal of fieldwork. The fieldwork will take place at area lakes, rivers, and ponds. This course will qualify for a third year of science.

SCI730/731 General Biology

Grade 10 2 Terms 1 Credit

Prerequisite: Passing grade in both sections of Integrated Science

General biology is designed to expose students to the physical, chemical and behavioral processes that make life possible. Technological applications to this knowledge and its potential impact on society will also be discussed. Hands-on activities and problem solving activities will be used to teach these concepts. The goal of the course is to address the following: (1) The interaction of organisms and their environment; (2) Heredity, reproduction and diversity; (3) Cells and cell processes; (4) Maintaining the necessary requirements for the life and health of an organism. This science course is required for graduation.

SCI741 Independent Research

Grade 12 1-2 Terms ½-1 Credit

Prerequisite: General Biology, Chemistry; Must have consent of instructor.

This is an elective where the student carries out a research project of his or her own or carries out research for an instructor's project. Self-motivation is needed and a data analysis is required upon completion.

SCI735/736 Integrated Science

Grade 9 2 Terms 1 Credit

Ninth grade science will bring together life, physical, earth, and space science. These areas will include topics such as: science as a process, food and nutrition-energy for living systems, energy in the physical world, earth's resources, and flight and space exploration. The purpose of integrated science is to show how the different sciences are related to each other. For example, the understanding of chemical bonds can help us understand where energy comes from for us to live. The use of experiments, videos, and various forms of technology will be used to meet our goals for this course. This science course is required for graduation.

SCI708/709 Medical Terminology (L2) (WITC Credit)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Passing grade in General Biology

The course focuses on the component parts of medical terms: prefixes, suffixes and word roots. Students practice formation, analysis and reconstruction of terms. An emphasis is placed on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology will be covered. THIS COURSE IS AVAILABLE FOR TRANSCRIPTED CREDIT THROUGH WITC. This would be vital for those students interested in the CNA program at WITC.

SCI728 Microbiology (L1)

Grades 10-12 1 Term ½ Credit

Prerequisite: Passing grade in General Biology

Microbiology is the study of microorganisms. This course will expose the students to various laboratory techniques involved in growing, isolating, and identifying these organisms. It will be extensively laboratory based. Basic microscope, staining, and sterilization techniques will be reviewed. Applications to current events, public health, and occupations using these techniques will be discussed. This course will qualify toward a third year of science.

SCI790/791 Physics (L3)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Advanced Algebra II

Physics is the study of matter and energy. Students will examine a wide range of topics including, but not limited to: projectile motion, collisions, energy, sound, light, lens optics, electricity, nuclear physics and relativity. Students will solve problems and participate in extensive laboratory, computer, and graphing calculator activities designed to reinforce concepts and to develop skills for use in introductory college science courses.

Social Studies

SOC870/871 AP Psychology (L4)

Grades 11-12 2 Terms 1 Credit

Prerequisite: A grade of 'B' or better in previous social studies courses

The purpose of the Advanced Placement Course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes. Students are exposed to the psychological facts, principles, and phenomena associated with the major sub fields within psychology. They also learn about the methods psychologists use in their science and practice.

SOC808/809 AP US Government and Politics (L4)

Grades 11-12 2 Terms 1 Credit

** (Course likely offered in even numbered school years) **

Prerequisite: A grade of 'B' or better in previous social studies courses

The goals of this course are to increase understanding of the American Political System, its framework, traditions, values, and to work towards passing the AP exam. This course is concerned with the nature of the United States Political System, its development over the past 200 years, and how it continues today. We will examine the principal processes and institutions through which the political system functions, as well as some of the public policies that these institutions implement. (NOTE: Students can take either AP US Government or Civics – NOT both)

SOC860/861 AP US History (L4)

Grades 11-12 2 Terms 1 Credit

Prerequisite: To any student seeking the challenge of the AP US History course, you must have a Grade Point Average (GPA) of "B" or better in both Social Studies and English.

As you are considering your academic future, please take the time to value the benefits of the AP U.S. History course. The course is designed for the upper level student. It is considered the equivalent of a college level course and provides a solid introduction to students who plan on attending major universities. This course also prepares students to take the AP U.S. History exam given in May. A passing grade on this exam may qualify a student to receive college credit in U.S. History. Some students are reluctant to take AP US History for fear of the heavy "workload". Yes, there is a lot of work, but the course truly prepares students for what to expect in college.

SOC840 Civics (L2)

Grades 10-12 1 Term ½ Credit

** (This course is offered on a rotating schedule it will not be offered in 2020-2021 school year) **

This Social Studies Elective is designed to give students a background in the workings of our state and local governments to make them more informed citizens. It will also focus on civic duties, responsibilities, and personal rights. This class will work hard at informing students of the important issues that will face them in life and help them have a better understanding of the American Political System.

SOC819 Developmental and Abnormal Psychology (L2)

Grades 11-12 1 Term ½ Credit

Psychology 2 will start with the Stages of Development that occur throughout life. We will begin with birth and follow the life cycle through death, exploring all the psychological and physical changes humans go through. Next we will look at intelligence and personality traits through a variety of methods including online tests. Our 3rd unit will focus on Abnormal Behavior and the different ways to deal with Abnormal Behavior. Next we will look at stress and how it impacts our life on a daily basis as well as looking at therapy techniques to deal with stress.

SOC850 Early Contemporary United States History (L2)

Grades 11-12 1 Term ½ Credit

This course will focus on World Events from the post World War II era to the conclusion of the Vietnam conflict. The goal is to link the past to the present by examining issues related to conflicts, both social and militarily, as well as looking at the links surrounding politics and the economy. Global leaders will be closely studied as we look at foreign policy and the expansion of science and technology. Finally, popular culture of the times will be studied as we look at how it is shaping our present and future and compare it to the past. Concepts to be covered include: economics, politics, conflicts-military and social, global leaders, foreign policy, science and technology, contemporary culture, and citizenship.

SOC818 General Psychology (L2)

Grades 11-12 1 Term ½ Credit

Psychology 1 will begin with an introduction to Psychology from a historical perspective. It will continue on with a look at how the learning process works, exploring Classical Conditioning, Operant Conditioning, Modeling and Memory. We will spend time looking at Altered States of Consciousness including Sleep, Hypnosis, Meditation and other altered states. Finally, we will end the course with a study of the motivation factors in our life and the emotions that arise from these situations.

SOC851 Modern Contemporary United States History (L2)

Grades 11-12 1 Term ½ Credit

This course will focus on World Events from the post-Vietnam conflict to the present. The goal is to link the past to the present by examining issues related to conflicts, as well as looking at the links surrounding politics and the economy. Global leaders will be studied as we look at foreign policy and the expansion of science and technology. Also, popular culture of the times will be studied as we compare and contrast it to the past and the future. Concepts to be covered are: economics, politics, global leaders, foreign policy, science and technology, contemporary culture and citizenship.

SOC855 Sociology (L2)

Grades 11-12 1 Term ½ Credit

Learners will understand how human beings create, learn, share and adapt to culture. They will appreciate the role of culture in shaping their lives and the society in which they live. In order to understand individual development and identity, learners should study the influence of various times, cultures, group and institutions. This class will look at how institutions are formed, maintained, and changed and understand how they influence individuals, groups and other institutions.

SOC835/836 U.S. History

Grade 10 2 Terms 1 Credit

U.S. History is a one-credit course that completes the study of the United States from the Pre-Columbian migration to the present day. The course combines economics, political, and social/cultural history in a general survey of the people of the United States. The course is designed to provide specific knowledge and understanding of issues and events of the past with special interest in skills in applications to present national trends, beliefs, and values.

SOC825/826 World History

Grade 9 2 Terms 1 Credit

A thematic approach to studying the major trends and themes in the history of the world is used in this class. The themes covered include: migration and exploration, science and technology, nationalism, religion, economics, democracy, revolutions, wars, and cultural contribution. This course uses a variety of media, writing, historical documents, and simulations to study the subject matter. A variety of different topics will be addressed to learn more about our history and the people of our planet.

Technology & Engineering Education

WITC Credit Courses: Earn college credit by taking these specially labeled technology and engineering courses. See Page 8 for more information.

TED910 Advanced Woodworking (L1)

Grades 10-12 1 Term ½ Credit

Class Fee: Students will figure out the cost of their project and pay before work begins.

Prerequisite: A passing grade in Machine Woods

In this course students will extend their understanding and knowledge of wood working skills while developing personal projects. Students will learn additional wood working techniques, skills, and talents while building end tables, coffee tables, gun cabinets and other woodworking projects.

TED901/902/903/904 Construction Framing 1 (L2) (WITC Credit) WISCONSIN TECHNICAL COLLEGE Experience. Success. (Formerly named: Building Trades)

Grades 11-12 4 Terms 2 Credits

Student must fill out separate application to be considered for this class.

Prerequisite: Understanding Construction

This is a lab/shop applications course that covers the operations required in building layout, and the framing of floors and walls to meet Wisconsin State Code. Competencies are learned through actual hands-on applications by building a house off-site. An OSHA 10 training is required. This is one of three classes that students are required to take for WITC's Construction Essentials Program.

Building Trades is a repeatable course.

TED075 Careers & Technology- Technology & Engineering Education

Grades 10-12 1 Term ½ Credit

Course will be offered 2020-2021 school year.

In this course you will engage in career planning and goal setting for your future while utilizing MSOffice and other technologies. You will create an individualized learning plan (career pathway/map) to help you schedule the appropriate courses in high school that can help you achieve your career goals. The Career Cruising software/website will be used to complete self-assessments and research career options. You will complete a job shadow to see first-hand what skills are needed in the workplace, create job campaign materials (job application, résumé, cover letter, follow up letter, reference list), participate in mock job interviews with local employers, and compile a portfolio of artifacts to use when interviewing for scholarships, jobs, or post-secondary programs.

TED905 Home and Automotive Maintenance

Grades 9-12 1 Term ½ Credit

Students will learn how to perform basic maintenance on houses/apartments along with an understanding of basic automotive maintenance and repair. The skills learned in this class will help students diagnose and repair basic household and automotive problems that will occur in their lifetime. The home portion will cover basic framing and sheetrock installation and mudding, basic plumbing, basic electrical, and steps to take to make your home more energy efficient. In the automotive portion, students will learn how to properly change a tire, how to add and change oil and coolant in a vehicle, along with other basic vehicle maintenance. During these lessons, students will also learn the names and proper use of basic tools to do these common repairs and maintenance.

TED939 Introduction to Engineering (L2)

Grades 9-12 1 Term ½ Credit

This course will introduce many of the basic and advanced concepts, issues, and techniques related to engineers and the field of engineering. Students will learn about various types of engineering, communication and documentation, design process, and engineering systems. Students will study engineering by participating in labs, both virtual and hands-on, for purposes of learning how and why these concepts are important to engineering.

TED945 Machine Woods

Grades 9-12 1 Term ½ Credit

Class Fee: Students will figure out the cost of their project and pay before work begins.

In this introductory course students will be introduced to the wood working industry. Students will start by learning about the lumbering industry, natural materials along with manufactured materials, and some of the machinery that is used in this field. Students will build several projects that will allow them to learn some of the different skills needed to be a good wood worker.

TED951 Manufacture Materials

Grades 9-12 1 Term ½ Credit

Class Fee: \$30

In this introductory course students will be introduced to materials and techniques used in manufacturing. Students will work with machinery and processes associated with the metals industry such as bending, milling, turning, shaping, and welding. Students will also be introduced to the similarities in processes used in the plastics industry. Finally, students will be introduced to products made in the woods industry along with the techniques used to make these products. Students will use these processes to build projects that will reinforce these concepts.

TED920 Print Reading for Building Construction (L2)
(WITC Credit)

Grades 10-12 1 Term ½ Credit

This course provides instruction in reading and interpreting shop drawings, residential drawings, and commercial building plans. Emphasis is placed on building terminology and learning conventional techniques of communicating building methods from the designer to the builder. Students learn to visualize the structure and to interpret elevations, plan views, details, and sections from drawings. They also learn to read and interpret building specifications.

This course is one of three classes that students are required to take for WITC's Construction Essentials Program.

TED980 Small Engines

Grades 9-12 1 Term ½ Credit

In this introductory course students will be introduced to small engines. We will start with the tear down and rebuilding of school owned engines. Next, students will be able to bring in equipment of their own to work on for the remainder of the term. Guest speakers, videos, and discussions will be used to increase students' knowledge of small engines.

TED907 Understanding Construction

Grades 9-12 1 Term ½ Credit

In this introductory course the students will be introduced to the broad field of construction. Students will be introduced to basic types of construction, architectural styles, reading an architect's scale, permitting, site preparation, foundations, framing, carpentry, electricity, plumbing and heating and cooling. This is the foundation course for the house building project.

TED913 Video Production

Grades 9-12 1 Term ½ Credit

In this course the students will begin to understand the field of video production. This class will explore digital equipment and video camera techniques. Students will be able to use this knowledge to produce video productions. Students will also explore careers in production of communications.

TED952/953 Warrior Manufacturing

Grades 10-12 2 Terms 1 Credit

Prerequisite: Welding I

Warrior Manufacturing will expose students to many of the career opportunities seen today in manufacturing companies. Students will get hands-on opportunities to try out a variety of manufacturing roles such as welding, office management, accounting, marketing and engineering prior to committing to a major area of study. Students enrolled in the Warrior Manufacturing class will operate his or her own student run business right out of the high school Tech Ed department. Students will use previously learned skills from Welding I. Students will be responsible for quoting jobs, ordering material, manufacturing parts, quality control, shipping, receiving, invoicing, customer service, accounting, payroll hours, and equipment maintenance.

TED972 Welding I: Welding for Mechanics (L2) (WITC Credit)

Grades 10-12 1 Term ½ Credit

Class Fee: \$30

Anyone may take this course to gain extensive knowledge in the welding area. In this course you will learn the safe setup and operation of oxyacetylene cutting (OAC), SMAW (Stick), GMAW (Mig), FCAW, GTAW (Tig) welding applications.

This course is a higher level (Technical College) welding course to allow students to meet any prerequisites for students going to WITC. The course is a transcribed course with WITC and anyone passing the course with a grade of B or better will receive (free of charge) 2 credits at WITC.

TED990 Welding II: Project Based Welding (L2)

Grades 10-12 1 Term ½ Credit

Class Fee: \$30 plus project costs estimated to be approximately \$100-\$200.

Prerequisite: Passing grade in Welding I: Welding for Mechanics

This course is totally project based in that every student will create a design and build a metals project using skills learned in the Welding for Mechanics course. The course will include a review of the Instruction in safe setup and operation of oxyacetylene cutting (OAC), SMAW (Stick), GMAW (Mig), FCAW, GTAW (Tig) welding applications.

World Language

French is spoken in five continents by more than 200 million people and is the official language of more than 25 countries. Proficiency in French along with an understanding of the values and beliefs of French-speaking cultures will enable people to participate actively in our diverse global community of the 21st century.

FOR600/601 French I

Grades 9-12 2 Terms 1 Credit

Students will explore the language and culture of the peoples who speak this modern world language. The focus of this course is the acquisition of basic French language skills to develop the ability to communicate in a culturally appropriate manner in different daily situations. Vocabulary and basic grammatical structures are taught within the context of everyday topics. A variety of techniques and technology are used to reach all students. Culture is embedded throughout the course and relates directly to the topics studied. No prior knowledge is necessary, only a desire to explore a new world through a new language.

FOR670/671 French II (L1)

Grades 9-12 2 Terms 1 Credit

Prerequisite: Completion of French I with a grade of "C" or better

Students continue to explore the language and culture of the peoples who speak this modern world language. Students continue to develop their ability to understand spoken and written French. At the same time, they learn to communicate orally and in writing in a culturally appropriate manner about a variety of familiar topics. Vocabulary and grammatical structures are taught within the context of everyday topics. A variety of techniques and technology are used to reach all students. Culture is embedded throughout the course and relates directly to the topics studied.

FOR615/616 French III (L2)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Completion of French I and II with a grade of "C" or better

Students will enhance their proficiency in French through meaningful communication as it is used in real-world situations that students are most likely to encounter. This course focuses on increased proficiency in the skills acquired during the previous years in order to understand, speak, read and write French with greater accuracy. Students will continue to explore topics related to France and the French speaking world in order to develop an appreciation and understanding of the French culture. A variety of techniques and technology are used to reach all students.

FOR618/619 French IV (L3)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Completion of French I, II and III with a grade of "C" or better

Students will focus on meaningful communication and language as it is used in real-world situations that students are most likely to encounter. They will continue to extend their language skills, become more accurate in the language they produce, comprehend a greater variety of texts and, generate responses, and initiate interactions in the language in more complete ways. Students will further use their language to expand knowledge of other content areas and gain awareness of multiple viewpoints. Students will read articles from French magazine and newspapers and Internet websites in order to be kept up-to-date on what is happening in the French-speaking world today. A variety of techniques and technology are used to reach all students. A comprehensive review of the French language will also prepare students for college placement tests.

FOR673/674 French V (L3)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Completion of French I, II, III and IV with a grade of "C" or better

French cinema and music, highlights from French history, and current events in the French-speaking world provide the basis for conversation and discussions in this course. A comprehensive review of the French language will also prepare students for college placement tests. Students will read articles from French magazine and newspapers and Internet websites in order to be kept up-to-date on what is happening in the French-speaking world today. Selections from French literature will be featured reflecting a variety of authors and styles of writing. Students will listen to a variety of French speakers discussing their perspectives on everyday life, movies, music, current events in the French-speaking world, and issues of global importance.

Spanish is the 2nd most spoken language in the world, making it a useful and practical language to study. As the Hispanic population grows within the United States, students' opportunities to use this language both here and abroad are endless.

FOR625/626 Spanish I

Grades 9-12 2 Terms 1 Credit

This course involves work with reading, writing, speaking, and comprehension skills as to offer a good insight and use of these skills in simple dialog and conversational situations. Through study materials and activities, a general insight into Spanish culture old and new.

FOR640/641 Spanish II (L1)

Grades 9-12 2 Terms 1 Credit

Prerequisite: Completion of Spanish I with a grade of "C" or better.

This course is a continued, and more in depth, use of spoken, written, oral, and comprehensive skills. Applied activities help students gain a better knowledge of Spanish culture and expression.

FOR637/638 Spanish III (L2)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Completion of Spanish I and II with a grade of "C" or better.

This course is a continuation of Spanish II with more in depth and expanded usage of structures and vocabulary - cultural readings, talks, skits, etc., in the target language. Completion of this course should provide a firm grammar and cultural base for participants to respect and express the feelings of the Spanish world.

FOR650/651 Spanish IV (L3)

Grades 10-12 2 Terms 1 Credit

Prerequisite: Completion of Spanish I, II and III with a grade of "C" or better.

In this course students will be involved in review of vocabulary and grammar from previous levels of study emphasizing expanded and in-depth usage and application of all phases of language learning. Students will be provided opportunities to discuss and simulate practical and creative situations. They will be expected to practice and apply all aspects of language acquisition (listening, speaking, reading, writing,) as to think and express themselves in the target language. Students will be afforded an increased exposure to the target language's culture through pieces of literature, art, history, music, etc.

FOR676/677 Spanish V (L3)

Grades 11-12 2 Terms 1 Credit

Prerequisite: Completion of Spanish I, II, III and IV with a grade of "C" or better.

In this course students will be involved in developing proficiency in all aspects of language learning and acquisition to enable them to understand and communicate in the target language at a moderate degree of difficulty. They will be expected to communicate in the written and spoken form applying and understanding the various grammatical time frames. The goal is listen, think, speak, read, write, and understand in the target language. Preview of any structures and vocabulary, application of new vocabulary will be addressed as applicable to the theme of study. Students will be provided opportunities to discuss and simulate practical and creative situations. They will be expected to practice and apply all aspects of language acquisition. They will be afforded increased exposure to the target language's culture through literature, art, history, music, etc.

Summer School

Driver Education

Grades: 9-12

0 Credit

Phase I: Classroom

Note: If you were born before December 1, 2003 you are eligible to take this course. The classroom portion of Driver's Education is offered during the summer only. Online registration is offered in early spring.

Description: The Amery High School driver education course is designed to initiate, expand, and improve the driver's education. Driver education is a course consisting of classroom and laboratory instruction in driving as well as in related attitudinal development. The classroom phase consists of lectures and discussions of driving maneuvers and driver safety topics. Driver education is required for all people under the age of 18 years who wish to obtain a Wisconsin Driver's License. Placement in this class will be done first according to age, and then by school activities such as band or summer school.

Fee: none

Phase II: Behind-the-Wheel

Prerequisite: Driver's Permit (student must be 15 years, 6 months of age on or before he or she applies for the driver's permit and must have successfully completed the classroom phase)

Description: All of the Behind-the-Wheel driving instruction will be held throughout the summer and school year by signing up with the instructor. The Amery High School driver education course is designed to initiate, expand, and improve the driver's education. Behind the wheel teaches the sound operational skills needed for driving. Driver education is required for all people under the age of 18 years who wish to obtain a Wisconsin Driver's License.

Fee: \$220.00. The total must be paid before scheduling behind-the-wheel training.

Tentative Remedial Classes:

NOTE: Course offerings depend on teacher availability and student enrollment.

Remedial Science

Grade Level: 9 - 12

Credit: .5

Remedial English

Grade Level: 9 - 12

Credit: .5

Remedial History

Grade Level: 9 - 12

Credit: .5

OPTIONAL PLANNING CHART—Use this planning chart if you are NOT in Band or Choir

CHOOSE 8 CREDITS

(Each square = ½ credit, 2 squares = 1 credit)

One course number per square— fill in required courses first

OPTIONAL PLANNING CHART—Use this chart if you ARE in Choir and/or Band

CHOOSE 7-8 CREDITS

(Each square = ½ credit, 2 squares = 1 credit)

One course number per square—fill in required courses first

Band Choir			
Band Choir			
Band Choir			
Band Choir			