

2026/2027

***ANTIGO HIGH SCHOOL
COURSE DESCRIPTION
BOOK***



***Leaders of Tomorrow
Created Here Today***

INDEX

RECOMMENDED COURSES FOR	3
TECHNICAL COLLEGE OR UNIVERSITY ADMISSION	3
TECHNICAL COLLEGE ADMISSION	3
Technical College Recommended Preparatory Course Work	3
UNIVERSITY ADMISSION	3
University Recommended Preparatory Course Work	3
GRADUATION REQUIREMENTS	4
Advanced Educational Opportunities	4
ADVANCED PLACEMENT	4
DUAL CREDIT	4
START COLLEGE NOW	5
YOUTH APPRENTICESHIP	5
Career Pathways Planner	6
GRADING SYSTEM & WEIGHTED CLASSES	7
COURSE SELECTIONS	8
COURSE SELECTIONS CONTINUED	9
Agriculture	10
English	12
Family and Consumer Sciences	13
Fine Arts	15
Choir and Band	16
World Language	18
Business	19
Mathematics	20
Media Technology	21
Physical Education / Health Education	22
Science	25
Social Studies	27
Technology Education	29
Cabinetmaking and Construction	30
Manufacturing	32
Graphic Design	33
Red Robin Graphics (2-Year Program)	33
Year 1: Junior Associate Level (Support & Production)	33
Red Robin Graphics Year 2: Senior Management (Leadership & Operations)	34
YOUTH APPRENTICESHIP/CO-OP	34

Students served in our special education programs will in some cases be prescheduled into courses that are designed for or provide the necessary modifications or accommodations. Student should work directly with their case manager to complete the course request worksheet. The Infinite Campus portal may show some courses entered into the students' course requests.

Courses must have 15 or more enrolled students to run in a semester.

The Unified School District of Antigo does not discriminate on the basis of age, sex, race, religion, national origin, ancestry, creed, sexual orientation, pregnancy, marital and parental status, or physical, mental, emotional, or learning disability.

RECOMMENDED COURSES FOR TECHNICAL COLLEGE OR UNIVERSITY ADMISSION

TECHNICAL COLLEGE ADMISSION

Technical College programs have admissions standards and placement testing. Some programs have waiting lists. Apply early and seek your counselor's advice regarding your chosen program. Technical college preparation should include a comprehensive high school curriculum to ensure success. The following are recommended high school courses/credits for adequate preparation for technical college programs.

Technical College Recommended Preparatory Course Work

SUBJECT	CREDITS
English	4+ (emphasis in work-related writing skills)
Math	2+
Science	2+ (Health majors usually require Chemistry)
Social Studies	3
Technical Courses	3+
Example: Business, Family and Consumer, Marketing, Computers, Technology, Agriculture, Health, and Financial.	

For specific information regarding entrance requirements, please see your high school counselor or go online to Wltechcolleges.com.

UNIVERSITY ADMISSION

Universities have admissions standards including grade point average, class rank, ACT scores, and curriculum taken in high school. Apply early and seek your counselor's advice regarding your chosen program. University preparation should include a comprehensive high school-college prep curriculum to ensure success. The following are recommended high school courses/credits for adequate preparation for college programs. For specific information log on to uwhelp.wisconsin.edu for the UW System or www.wisconsinmentor.org for private Wisconsin college information.

University Recommended Preparatory Course Work

SUBJECT	CREDITS
English	4+ Emphasis in Literature and Composition
Math	3+ Must complete Advanced Algebra by senior year
Science	3+
Social Studies	3+
College Prep Electives	4+ Elective credits can be chosen from additional English, Math, Science, Social Studies, Foreign Language, Fine Arts, and Computer Science

*Foreign Language requirements vary from university to university. Check with a Counselor to determine how many are required for the university you wish to attend.

GRADUATION REQUIREMENTS

To be eligible to graduate from Antigo High School, you will need credits in the following areas:

SUBJECT	CREDITS
ENGLISH	4
MATHEMATICS	3
SCIENCE	3
SOCIAL STUDIES	3
PHYSICAL EDUCATION	1.50
HEALTH	.50
ELECTIVES	7
Personal Finance or Exploring Economics	.50
TOTAL	22.5 CREDITS

Advanced Educational Opportunities

**Taking advantage of these opportunities
means you may be able to earn free technical and college credits.**

ADVANCED PLACEMENT

The College Board's Advanced Placement Program (AP) enables students to pursue college-level studies while still in high school. Based on their performance on rigorous AP Examinations, students can earn college credit, advanced placement, or both for college. Students who intend to apply for college admission and are willing to accept the challenge of a rigorous academic curriculum should strongly consider enrolling in at least one AP course during their junior or senior year. Courses that are offered as an AP course will be noted by the course.

Individual colleges and universities, not the College Board or the High school, grant course credit and placement. Because it varies from school to school, students should obtain a college's AP policy in writing. This information can be found in the institution's catalogue or on its website, or by using collegeboard.com's [AP Credit Policy Info](#) search. Colleges that have received the student's AP Score Report will generally notify them of any placement, credit, and exemption they have earned during the summer. Students can also contact the college's admissions office to find out the status of their AP credits.

AP courses have prerequisites and students must obtain teacher permission to enroll. In May students take their Advanced Placement exams through the College Board, and are scored on a five point scale. AP Exam grades of 5 are equivalent to the top A-level work in the corresponding college course. AP Exam grades of 4 are equivalent to a range of work representing mid-level A to mid-level B performance in college. Similarly, AP Exam grades of 3 are equivalent to a range of work representing mid-level B to mid-level C performance in college.

DUAL CREDIT

You can earn college credit at **NO COST** to you by taking dual credit coursework while in high school. Actual technical college courses are taught to AHS students in a high school setting. An agreement between the technical college and high school spells out conditions that must be met by the instructor and student to successfully complete the course. The course is taught by your high school instructor and college credits are awarded and recorded on a technical college transcript upon successful completion of the course. If a student fails to earn college credit, there will be no record of it if they choose to attend the

college in the future. It is the student's responsibility to check with the school to which you would be transferring, to make sure this credit will be allowed to transfer. Students should see each class's course description for grade requirements to receive the dual credit. Courses that are offered as a Dual Credit course will be depicted in this guide with a college icon.



Regarding courses noted NTC credit earned: "Transcribed credit may be awarded for this course pending NTC's annual approval/reapproval process. Juniors and Seniors who complete all NTC course requirements, and earn a grade of "C" or better on NTC's grading scale can be awarded high school credit, as well as credit on a NTC transcript. NTC course requirements and grading scale may be different from the high school course requirements and scale. Students should consult their high school teacher on their eligibility to earn NTC college credit for the course at the end of the semester or school year."

START COLLEGE NOW

Junior and Senior level students are allowed the opportunity to enroll in one or more nonsectarian courses at an accredited 2 or 4- year school of higher education while a high school student. Courses must further the student's education academically or vocationally. **Students may not take courses that are comparable to ones already offered at Antigo High School, including distance-learning courses.** Our district pays for the cost of tuition, texts, and materials; transportation is not included. Because of cost factors our district will carefully screen applications for appropriateness and deny payment when deadlines are not observed. To be considered for Youth Options during the first semester the application must be submitted to the school board by March 1 of the previous year; for second semester enrollment, the application is due by October 1 of the school year. Technical college courses are paid for with funds under the same guidelines as Youth Options. Changes in state law allow the school district to seek **reimbursement** from the parent/guardian or the student, if he or she is an adult, for any class that a student **drops or fails** under the Youth Options Program. For complete guidelines contact the school counselor.

YOUTH APPRENTICESHIP

An apprenticeship offers juniors and seniors the opportunity for work-based learning in addition to their academic education. Students will learn employability and occupational skills as defined by Wisconsin industries. As an apprentice the student attends regular school for a portion of the day and also receives on the job instruction for a part of the day. The student is paid an hourly wage. Students who successfully complete the Youth Apprenticeship Program will receive a state-issued skill certificate. Juniors and Seniors who are interested should contact Ms. Fisher for more information. The following website provides more details: <http://dwd/wisconsin.gov/youthapprenticeship/parents.htm>.

Career Pathways Planner

Antigo High School 4 Year Plan

Grade 9	Grade 10	Grade 11	Grade 12
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English (4 credits)			
English 9 (1 credit)	English 10 (1 credit)	English 11 or English 11-12 AP (1 credit)	English (1 credit)

Social Studies (3 credits)			
Civics (1 credit)	American History 1 (S1) American History 2 (S2)	Elective Options	Elective Options

Science (3 credits)			
Physical Science(1 credit)	Biology (1 credit)	Science (1 credit)	

Math (3 credits)			
Algebra (1 credit)	Geometry (1 credit)	Algebra 2 (1 credit)	

Physical Education (1.5 credits)/ Health (0.5 credits)			
Freshmen PE (0.5 cred)	Health 10 (0.5 credits)	Phy Ed (0.5 credits)	Phy Ed (0.5 credits)

Financial Literacy (0.5 credits)			
		Personal Finance (0.5 credits)	

Elective (7 credits) * fill in below			
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)
(0.5)	(0.5)	(0.5)	(0.5)

Total: _____ credits _____ credits _____ credits _____ credits

Total Credits: _____ / 22.5

ANTIGO HIGH SCHOOL

GRADING SYSTEM & WEIGHTED CLASSES

GRADE POINT VALUE	WEIGHTED CLASS GRADE POINT VALUE	AHS GRADING SCALE
A+ 4.33	A+ 4.66	A+ 99-100
A 4.0	A 4.33	A 93-98
A- 3.66	A- 4.0	A- 90-92
B+ 3.33	B+ 3.66	B+ 87-89
B 3.0	B 3.33	B 83-86
B- 2.66	B- 3.0	B- 80-82
C+ 2.33	C+ 2.66	C+ 77-79
C 2.0	C 2.33	C 73-76
C- 1.66	C- 2.0	C- 70-72
D+ 1.33	D+ 1.66	D+ 67-69
D 1.0	D 1.33	D 63-66
D- .66	D- 1.0	D- 60-62
		F Below 60

COURSE # WEIGHTED COURSES

H131	English Advanced Placement Literature & Composition 11-12
H141	English Advanced Placement Language & Composition 11-12
H421	Advanced Placement European History
H441	Advanced Placement American History 12
H331	Advanced Placement Environmental Science
H332	Advanced Biology
H333	Anatomy / Physiology
H334	Physics 1
H335	Physics 2
H337	Chemistry 2
H231	Pre-Calculus
H241	Advanced Placement Calculus
H240	Advanced Math
H420	Advanced Placement Human Geography
H631	Spanish 3
H641	Spanish 4
H630	German 3
H640	German 4
H721	Advanced Placement Art
H431	Advanced Placement United States Government

COURSE SELECTIONS

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
AGRICULTURE			
8110	Ag-Science (ES)	1	9-12
8120	Large Animal Science (ES)	.50	10-12
8124	Advanced Animal Science (ES) (DC)	.50	11-12
8123	Intro to Horticulture (Hort I)	.50	9-12
8125	Companion Animals	.50	10-12
8126	Veterinary Medical Terminology (DC)	.50	11-12
8127	Horticulture Manager	.50	11-12
8140	Ag Leadership	.50	11-12
8145	Advanced Horticulture (Hort II)(DC)	.50	10-12
8128	Intro to Ag Processing (ES)	.50	9-12
8129	Ag Outdoor Recreation	.50	9-12

ENGLISH			
1100	English 9	1	9
1200	English 10	1	10
1300	English 11	1	11
H131	English AP Literature & Composition	1	11-12
H141	English AP Language & Composition	1	11-12
1303	Oral/Interpersonal Communications(DC)	.50	11-12
1305	Intermediate Writing	.50	11-12
1306	Creative Writing	.50	11-12
1314	Science Fiction/ Fantasy	.50	11-12
1308	Theater & Film	.50	11-12
1318	Written Communication (DC)	.50	11-12

Highlighted Courses offered every other year, see course description for rotation.

*AP – Advanced Placement

*ES – Equivalency Science Credit

*DC – Eligible for Dual Credit

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
FAMILY & CONSUMER EDUCATION			
8316	Skills for Living	.50	9-12
8310	Introduction to Culinary	.50	9-12
8311	Advanced Culinary (DC)	.50	10-12
8312	International Foods	.50	9-12
8314	Infant and Toddler (DC)	.50	10-12
8318	Foundations of ECE (DC)	.50	11-12
8317	Baking and Pastries	.50	11-12
8330	Intro to Health Careers(DC)	.50	11-12
8334	Medical Terminology (DC)	.50	11-12
8335	Fashion & Interior Design	.50	9-12

FINE ARTS			
7100	Art 1	.50	9-12
7222	Ceramics	.50	10-12
7330	Ceramics 2	.50	10-12
7223	Art Metals	.50	10-12
7224	Drawing and Painting	.50	10-12
7227	Drawing and Painting 2	.50	10-12
H721	AP Studio Arts	1	11-12
7111	Treble Choir	1	9-12
7112	Acapella Choir	1	9-12
7113	Canto Voce	1	9-12
7114	Men's Choir	1	9-12
7133	Music Theory	.50	9-12
7129	Concert Band	1	9-12
7130	Symphonic Winds	1	9-12
7131	Antigo Wind Ensemble	1	9-12
7132	Percussion Ensemble	1	9-12

WORLD LANGUAGE			
6110	German 1	1	9-12
6210	German 2	1	10-12
H630	German 3	1	11-12
H640	German 4	1	12
6120	Spanish 1	1	9-12
6220	Spanish 2	1	10-12
H631	Spanish 3	1	11-12
H641	Spanish 4	1	12

BUSINESS			
6525	Intro to MS Office (DC)	.50	10-12
8426	Sports & Entertainment Marketing / Packaging & Labeling	.50	10-12
8212	Introduction to Business	.50	9-12
8213	Personal Finance	.50	11-12
8444	Social Media Marketing	.50	11-12

COURSE SELECTIONS CONTINUED

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
MATHEMATICS			
2101	Algebra	1	9-12
2103	Geometry	1	9-12
2200	Applied Mathematics(DC)	1	11-12
2255	Algebra II	1	11-12
2301	College Algebra W Apps(DC)	1	11-12
H231	Trigonometry W Apps(DC)	1	11-12
H241	AP Calculus	1	12
MEDIA TECHNOLOGY			
PHYSICAL EDUCATION/HEALTH EDUCATION			
5100	Physical Education (9 th)	.50	9
5205	Unified PE	.50	10-12
5201	Beginner Weight Training and Conditioning	.50	9-12
5303	Advanced Weight Training	.50	10-12
5400	Adventure Based Fitness	.50	10-12
5401	Recreational Fitness	.50	10-12
5402	Individual Fitness	.50	10-12
5404	Team Fitness	.50	10-12
5252	Health Education 10	.50	10
5253	Advanced Health	.50	11-12
5500	Swimming/Lifeguard Training	.50	10-12
SCIENCE & NATURAL RESOURCES			
3100	Physical Science	1	9
3200	Biology	1	10
H332	Advanced Biology	1	11-12
H333	Body, Structure and Function(DC)	1	11-12
3301	Environmental Science	1	11-12
8124	Forest Science	.50	11-12
8122	Wildlife Management	.50	11-12
H334	Physics 1	1	11-12
H335	Physics 2	1	12
3201	Chemistry 1	1	11-12
H337	Chemistry 2	1	12

Highlighted Courses offered every other year, see course description for rotation.

*AP – Advanced Placement

*ES – Equivalency Science Credit

*DC – Eligible for Dual Credit

<u>COURSE #</u>	<u>COURSE TITLE</u>	<u>CREDITS</u>	<u>GRADE</u>
SOCIAL STUDIES			
4500	Civics	1	9
4300	American History 1	.50	10
4400	American History 2	.50	10
H441	AP American History 12	1	12
H424	AP European History	1	11-12
4200	World Geography	.50	11-12
H426	AP Human Geography	1	11-12
4301	Psychology (DC)	1	11-12
H431	AP United States Government	1	11-12
4600	Foundations of Western Civilizations	.50	11-12
TECHNOLOGY & ENGINEERING			
8511	Tech Ed Autos	.5	9-12
8512	Tech Ed Welding	.5	9-12
8520	Metals 1	1	10-12
8521	Red Robin Machining (DC)	1	11-12
8522	Metals Fabrication (DC)	1	11-12
8523	Machine Tool Programming 1	.50	11-12
8530	High Performance Small Engines 1	.50	10-12
8531	High Performance Small Engines 2	.50	10-12
8533	Auto Service / Technician 1	1	10-12
8534	Auto Service / Technician 2 (2hours) (DC)	2	11-12
8540	Cabinetmaking & Furniture Design 1	1	9-12
8541	Cabinetmaking & Furniture Design 2	1	10-12
8545	Cabinetmaking & Furniture Design 3	1	11-12
8542	Carpentry	1	10-12
8543	Red Robin Construction (2 Hours)	2	11-12
8560	Graphic Arts/Printing 1	1	9-12
8561	Graphic Arts/Printing 2 (DC)	1	10-12
8562	Graphics 3 (Red Robin Graphics)	1	11-12
8563	Graphics 4 (Red Robin Graphics)	1	11-12
YOUTH APPRENTICESHIP/Co-op			
8160	Co-op	1	11-12
8170	Youth Apprenticeship (YA)	1	11-12

Agriculture

8110 AG SCIENCE

Grades 9-12 1 Credit

1 Year

***Science Elective Credit

No Prerequisite

Ag Science is an introduction to the agriculture world. Students will learn through hands-on activities and real-life experiences about all aspects of agriculture, including large animals, small animals, forestry, wildlife, horticulture, agriculture related careers, and leadership opportunities with FFA. Many opportunities of learning will be outside of the classroom, including greenhouse, outdoor garden, orchard and community based agriculture businesses.

8123 INTRO TO HORTICULTURE (HORT 1)

Grades 9 – 12 .50 Credit

1 Semester

This course is an introduction to all aspects of horticulture and students will learn plant basics as well as transplanting, horticulture careers, sales, greenhouse gardening, outdoor gardening, and orchard care. Horticulture is a lab oriented course with much of the learning done in the greenhouse, outdoor garden, and school orchard.

8120 LARGE ANIMAL SCIENCE

Grades 10 – 12 .50 Credit

1 Semester

***Science Elective Credit

No Prerequisite

Large Animal Science is all about horses, beef, swine, sheep, goats, and llamas. Other topics include animal behavior, animal welfare and meat science. There will be many live demos, hands-on activities, and field trips in this course. Students are encouraged to bring in species for demonstrations as well.

8125 COMPANION ANIMALS

Grades 10-12 .50 Credit

1 Semester

No Prerequisite

This course offers animal lovers and those interested in a career in veterinary science an opportunity to explore the small animal field. Pets are very popular in homes today, and it is vital that people understand how to care for their animals properly, as well as understand the animal welfare issues faced by today's animal owners. Topics include nutrition, health, daily care, spaying, neutering, and declawing. Labs will revolve around proper grooming, feeding, handling, and health practices. Animals discussed include dogs, cats, rabbits, hamsters, guinea pigs, gerbils, mice, reptiles, and caged birds.

8121 Advanced Animal Science

Grades 11 – 12 .50 Credit

1 Semester

***Science Elective Credit

Prerequisite: Ag Science, Large Animal Science, or Companion Animals



Advanced Animal Science is a one semester course which deals with large and small animals, focusing on digestive system, reproduction, nutrition, disease, management of facilities, processing of food products, record keeping, and careers associated with large and small animals. Students do not need to come from an agricultural background to take this course. **This course will be dual credit with Intro to Animal Science / Dairy Science and will earn 3 NTC credits Juniors & Seniors at no cost to the student. This course is offered every other year. (Scheduling for fall of odd years)**

8129 AG OUTDOOR RECREATION

Grades 9 -12 .50 Credit

1 Semester

No Prerequisite Fee: \$10

In this course students will have the opportunity to become certified in the following DNR safety courses: Hunter Safety, Archery Safety, Snowmobile Safety, ATV/UTV Safety, and Boater Safety. A \$10 fee per safety course will be charged if a student wishes to obtain certification upon successful completion of the safety curriculum. If a student is already certified in one or more areas, they will be expected to complete the curriculum as a review but will not have to pay for certification again. All certifications and corresponding fees are optional, but the safety curriculum is required. Besides DNR safety courses, students will be certified in Tractor and Skidsteer Safety training and certifications as well. Many local guest presenters will be assisting in this course as well.

8126 VETERINARY MEDICAL TERMINOLOGY (DC)

Grade 11 – 12 .50 Credit

1 Semester

Prerequisite: Ag Science, Large Animal Science or Companion Animals 8543



This course is meant to build off of the knowledge gained in Large Animal Science and Companion Animals and continue into more advanced topics in the animal industry. Topics covered will be animal behavior, nutrition, digestion, body systems, medical procedures, genetics, biosecurity, diseases and disorders, animal health management, and livestock evaluation. Approved animal procedures will be covered and demonstrated in this class, along with lab procedures, field trips and guest speakers. **This course will be dual credit with Veterinarian Medical Terminology and will earn 2 NTC credits for Juniors and Seniors at no cost to the student.**

This course is offered every other year. (Scheduling for spring of odd years)

8145 ADVANCED HORTICULTURE (HORT II)

Grade: 10-12 .50 Credit

1 Semester

Prerequisite: Ag Science or Intro to Horticulture



This course is an extension of learning in Intro to Horticulture. Through hands-on experiences, students will be working in the greenhouse, outdoor garden, and school orchard and learn how to manage these areas. Students will learn how to plan, order, implement, and manage the three "plant classrooms" and will be involved with donating garden / orchard fruits and vegetables as well as organizing the annual greenhouse plant sale. **This course will be dual credit with Intro to Soils and will earn 2 NTC credits for Juniors and Seniors at no cost to the student**

8140 AGRICULTURAL LEADERSHIP – INDEPENDENT STUDY

Grade 11 - 12 .50 Credit 1 Semester or 1 Year (Instructor approval only)

Prerequisite: Any Ag Science Course

This course is a continuation of any agricultural course. This program provides advanced agriculture students with instruction on leadership and communication skills with a focus on opportunities in the agriculture industries. Topics will include communication research, verbal and written communications, journalism, mass media, agriculture policy and human relations. Other topics may include problem solving and decision making and teamwork skills. An essential part of this course will be leadership activities and Supervised Agricultural Experience Programs. The appropriate use of technology and industry-standard equipment is an integral part of this course. Students will learn how to be confident public speakers, effectively work on a team, to be a group leader, and most importantly, become involved in the community.

8127 HORTICULTURE MANAGER – INDEPENDENT STUDY

Grade 11-12 .50 Credit or 1 Credit 1 Semester or 1 Year (Instructor approval only)

Prerequisite: Advanced Horticulture

Students will oversee the greenhouse, outdoor garden, and school orchard. Daily duties will include overseeing daily operations, maintenance and ordering supplies. Students will also help with ordering decisions, planning, and growing schedules. Other responsibilities will include greenhouse plant sale and donations of garden vegetables and orchard fruits. Students who have completed Advanced Horticulture (Hort II) and would like to develop more horticulture management skills should see Mrs. Domke for an application.

8128 INTRO TO AG PROCESSING

*****Science Elective Credit**

Grade 9-12 .50 Credit 1 Semester

Throughout this course, students will learn agricultural processing and food safety practices. The skills and knowledge gained from this course will provide students with tools they can use for the rest of their lives. This course will also provide information on agricultural processing and food science careers in high demand locally, in the state, and nationally. Topics will include fruit and vegetable preservation, meat cuts, meat processing, and ag processing careers.

CAREER PATHWAYS/PROGRAMS (contact Ms. Domke for additional information)

Ag – Vet Science

- Ag-Science
- Large Animal Science
- Advanced Animal Science **This course is offered every other year. (Scheduling for fall odd years)**
- Ag Business Management & Leadership
- Companion Animals
- Veterinary Science **This course is offered every other year. (Scheduling for spring of odd years)**

Horticulture

- Ag-Science
- Horticulture Manager
- Intro to Horticulture
- Advanced Horticulture
- Food Science

English

1100 ENGLISH 9

Grade 9 1 Credit 1 Year

English 9-11 courses are designed to develop language skills needed for college and career readiness. Classes include study of the common core standards for each grade level in the areas of reading literature and informational text, writing for a variety of purposes and audiences, speaking and listening, research, use of media and technology, and language development.

1200 ENGLISH 10

Grade 10 1 Credit 1 Year

English 9-11 courses are designed to develop language skills needed for college and career readiness. Classes include study of the common core standards for each grade level in the areas of reading literature and informational text, writing for a variety of purposes and audiences, speaking and listening, research, use of media and technology, and language development.

1300 ENGLISH 11

Grade 11 1 Credit 1 Year

English 9-11 courses are designed to develop language skills needed for college and career readiness. Classes include study of the common core standards for each grade level in the areas of reading literature and informational text, writing for a variety of purposes and audiences, speaking and listening, research, use of media and technology, and language development.

H131 ENGLISH ADVANCED PLACEMENT LITERATURE & COMPOSITION 11-12 (Weighted Class)

Grade 11 1 Credit 1 Year

In this college level course, students will participate in advanced work in literature, critical thinking, analysis, and writing. Students will demonstrate an understanding of selected literature by writing analytical essays. The literature will be appropriately challenging for college-bound students and will be selected from all major time periods and genres. If interested, students will have the opportunity to write the National Advanced Placement Exam for possible college credit. Summer reading is required.

H141 ENGLISH ADVANCED PLACEMENT LANGUAGE & COMPOSITION 11-12 (Weighted Class)

Grade 12 1 Credit 1 Year

In this college level course, students will focus on excellence in writing while studying rhetoric. The steps of the writing process are practiced extensively, and drafting and redrafting papers will be normal procedure. Various kinds of writing strategies and stylistic devices will be explored. This course will include an emphasis on essays. Strong discussion skills are important for success in this program. If interested, students will have the opportunity to write the National Advanced Placement Exam for possible college credit. Summer reading and writing are required.

1303 ORAL/INTERPERSONAL COMMUNICATIONS

Grade 11-12 .50 Credit 1 Semester

This class involves active participation in speaking and listening situations used for communication in modern society. Students will gain experience in interpersonal communication, active listening, nonverbal communication, group discussion, impromptu speaking, research skills, and public speaking.

1305 INTERMEDIATE WRITING

Grade 11-12 .50 Credit 1 Semester

Intermediate writing is an elective for juniors and seniors. Students will develop writing skills introduced in English 9 - 11. Content will include personal, creative, reflective, academic, and business writing while incorporating the writing process. Examples by established authors will be used as models for writing.

1306 CREATIVE WRITING

Grade 11-12 .50 Credit 1 Semester

Creative writing students will learn to write original short stories, poems, satire, and essays by studying and imitating established authors' models, and by developing their own creative talents and ideas.

1314 SCIENCE FICTION/ FANTASY

Grade 11-12 .50 Credit 1 Semester

In this course, students will have the opportunity to read and evaluate works from the Science Fiction and Fantasy genres by examining short stories, novels, graphic novels, and various forms of media. The course will cover classic to contemporary works in an effort to help students explore perspectives related to the themes of alien versus self, science versus nature, human versus technology, human versus monster, exploitation versus collaboration, and good versus evil.

1318 WRITTEN COMMUNICATIONS

Grade 11-12 .50 Credit 1 Semester



Develops writing skills which include prewriting, drafting, revising, and editing. A variety of writing assignments is designed to help the learner analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. Also develops critical reading and thinking skills through the analysis of a variety of written documents.

This course is dual credit with Written Communications and will earn 3 NTC credits at no cost to seniors.

1308 THEATER AND FILM

Grade 11-12

.50 Credit

1 Semester

In this course students will experience significant films, explore various forms of theater, and work to appreciate the craft involved in making these dynamic art pieces. Students will also analyze and evaluate theater and film through a literary lens, and find their own meaning through a self-directed project.

Family and Consumer Sciences

8355 FASHION AND INTERIOR DESIGN

Grades 9 – 12

.50 Credit

1 Semester

No Prerequisite

This semester-long course for students who have an interest in learning about clothing structure, interior design, career options within fashion and interior design and developing skills in sewing. This course will be split into two quarter long segments: one quarter of fashions and one quarter of interior design. Sewing labs in this course are designed to help students progress quickly through a variety of projects. Possible projects include, but not limited to, tote bags, "little dresses for Africa", designing rooms for clients, and independent projects of choice. This course provides a meaningful experience in creativity and self-expression for all students.

8310 INTRODUCTION TO CULINARY

Grades 9 – 12

.50 Credit

1 Semester

No Prerequisite

Meets prerequisite requirement for all foods courses

Academic skills are put to use in Introduction to Culinary. Students will observe the results of accurate measuring skills and kitchen math through cooking. Culinary skills, safety and sanitation in the kitchen, proper preparation and techniques of food are learned and put to use. Other topics discussed Myplate and the importance of food groups, serving sizes, meal planning, and the proper use of tools in the kitchen. Food preparation is related with each topic of discussion. Students participate in Top Chef competitions throughout the semester, where they are able to put their cooking skills to the test! If you are interested in basic cooking needs Introduction to Culinary is a great starting place.

8311 ADVANCED CULINARY (DC)

Grades 10– 12

.50 Credit

1 Semester

Prerequisite: Introduction to Culinary with passing grade

This course allows students the opportunity to develop culinary skills as they explore food service techniques. Careers in food service, hospitality and the culinary industry will be examined. Classroom instruction will provide a more in depth understanding of basic operations of food quality by making homemade candies, garnishing, cake decorating, along with restaurant production of food and services. Students will participate in cooking challenges that will further develop cooking skills. The course aligns with NTC's Sanitation for Food Service other topics will include sanitation and hygiene provisions in state codes, along with challenges to food safety, developing a food safety system, Hazard Analysis Critical Control Point, working in a safe environment and maintaining sanitary facilities and equipment. Certification through the National Restaurant Association: Servsafe is a requirement for completion.

****Juniors and Seniors may also be eligible for certification of Food Service through the Department of Public Instruction.**

*****Servsafe certification through National Restaurant Association**

8312 INTERNATIONAL FOODS

Grades 9 – 12

.50 Credit

1 Semester

Prerequisite: Introduction to Culinary with passing grade

International Foods is a course that provides students the opportunity to explore a more in-depth approach to food and food preparation. Emphasis is placed on the study of regional and ethnic cooking units. Students explore various foods and cultures from areas around the globe. The course starts in the United States and expands throughout the world. Emphasis is placed on the needs of the people living in these areas, the climate, what grows well in that area, lifestyle choices, resources and health. Students are also able to use their culinary skills in a Chili Contest and "Chopped" competitions.

8317 BAKING AND PASTRIES

Grades 11-12

.50 Credit

1 semester

Prerequisite: Introduction to Culinary with passing grade, Physical Science, Biology

This course studies the production, process, preparation, and evaluation of food. Students in this course will have an opportunity to explore the four areas that are essential to a well-rounded baking and pastry professional: professionalism, breads, desserts and pastries, and advanced pastry work. Students will also focus on the six major nutrients: carbohydrates, proteins, fats, minerals, vitamins and water. They will analyze how each is used by the body, the planning process of well-balanced diets and how to create a nutritional analysis of diets.

8316 SKILLS FOR LIVING

Grades 9 – 12 .50 credit 1 Semester
No prerequisite

Skills for Living is a course that will explore topics such as building and maintaining relationships, developing communication skills, dating, marriage and understanding what it means to be a responsible parent. In addition to parenting students will cover the topics of prenatal development, labor and delivery, cost of raising a child, and budgeting for a family. A parenting simulation project will be incorporated in the curriculum to provide students with a realistic idea of the demands of parenting. Other topics include crisis situations such as divorce, aging, grief and death. Students will be challenged to think critically when faced with difficult real life situations.

8314 INFANT AND TODDLER (DC)

Grades 10 – 12 .50 Credit 1 Semester
No Prerequisite
DPI Skills Certification



The Children's course focuses on infants and toddlers development from birth to three in an early child education setting. Students will study theories behind child development, research prenatal care, analyze role of heredity and the environment, along with cognitive, physical and social emotional development. Students will engage in hands on learning through project based work. If you enjoy learning about and working with children this is a class for you.

This course will be dual credit with NTC Early Childhood and Education: Infant and Toddler and will earn NTC credits for Juniors and Seniors at no cost to the student.

**** Juniors and Seniors may also be eligible for certification of the Infant Toddler through the Department of Public Instruction.**

8318 FOUNDATIONS OF ECE (DC)

Grades 11 – 12 .50 Credit 1 Semester
Prerequisite: **8314 INFANT AND TODDLER (DC)**



Child Care Careers introduces the student to the early childhood profession. Course competencies include: strategies that support diversity and anti-bias perspectives, investigate the history of early childhood education, examine regulatory requirements for early childhood education programs in WI, summarize types of early childhood education settings, identify the components of a quality early childhood education program, summarize responsibilities of early childhood education professionals and explore early childhood curriculum models. Students will plan and implement activities in a variety of community and classroom settings. Students will explore the responsibilities of teaching and gain the skills necessary to work in a career with children. Upon successful completion of the course and at the age of 16 years old students can work in a early childhood setting.

This course will be dual credit with NTC ECE Foundations and will earn NTC credits for Juniors and Seniors at no cost to the student.

**** Juniors and Seniors may also be eligible for certification of the Infant Toddler through the Department of Public Instruction.**

****Juniors and seniors who successfully complete the Infant and Toddler class and this course may receive the DPI certification: Assistant Child Care Teacher.**

8330 INTRO TO HEALTH CAREERS (DC)

Grades 11-12 .50 Credit 1 Semester
Prerequisite: Interest in Health Careers

This course will provide students with an overview of the healthcare system and health careers. Students will learn about job responsibilities, personal traits, attitudes, education and licensure of individuals working in the healthcare field. They will have the opportunity to work with professionals and become acquainted with a variety of trends and issues in today's healthcare environment. Students will focus on many hands on activities to give a realistic view of the healthcare system.

8331 MEDICAL TERMINOLOGY (DC)

Grades 11-12 .50 Credit 1 Semester



Medical Terminology guides you along the path of vocabulary development that thoroughly prepares you to communicate as a medical professional, insurer, lawyer, equipment supplier, pharmaceutical representative and others who interact with healthcare providers and consumers. It is a lifelong learning course that can be used to help you understand every day medical terms whether it is at the doctor's office or just watching TV. This rigorous, fast paced course focuses on the component parts of medical terms: prefixes, suffixes, and word roots. Students practice formation, analysis, and reconstruction of terms with emphasis on spelling, definition and pronunciation. Students are then introduced to the operative, diagnostic, therapeutic and symptomatic terminology of all the body systems as well as structure, function and surgical terminology. Hands on activities are an integral part of the course to help with memorization.

*Students will be provided with a \$90 workbook that is required for the course. If a student drops the course after July 1st, of that school year, they will be required to purchase the workbook.

This course will be dual credit with Medical Terminology and will earn NTC credits to Juniors and Seniors at no cost to the student.

This course is offered every other year. (Scheduling for spring of even years)

CAREER PATHWAYS/PROGRAMS (contact Ms. Frisch for additional information)

CHILDREN

- Skills for Living
- Infant and Toddler
- Child Care Careers

HEALTH OCCUPATION

- Health Occupation
- Medical Terminology This course is offered every other year. (Scheduling for spring of even years).

Fine Arts

7100 ART I

Grade 9 1 Credit 1 Semester

Art I is a course for beginners. It is an introduction to art for anyone that is interested or curious about the visual arts. Students need not be talented in art, but willing to try new things and persist in their efforts. Hopefully, art class will be an enjoyable and positive experience for any student accustomed to working hard in other classes. Units of study include (based on time) design, drawing, woodcut printmaking, tempera landscape painting, art metal, sculpture, watercolor, clay, digital painting, and 3D printing (possibly casting prints into semi-precious metals)

7222 CERAMICS

Grades 10 -12 .50 Credit 1 Semester
Class Fee \$15
Prerequisite: Art 1

Students interested in ceramics will learn a wide variety of hand-building techniques throughout the semester. Students are encouraged to wheel throw after the first project is complete as wheels are available. Students are encouraged to take the class a second time and you will choose your own area of focus. Taking this class a second time may help prepare you for the AP Art Class your junior and/or senior year. Class discussion and research will include an overview of ceramics from various cultures and time periods, as well as information on the composition of clay bodies and glazes. Students will participate in the Raku firing process, and learn about Electric and Gas kiln firing.

7223 ART METAL

Grades 10 – 12 .50 Credit 1 Semester
Class Fee \$15
Prerequisite: Art 1

Art Metal: Students will have the opportunity to complete small welding projects, such as yard art or miniature sculptures. Students may choose a personal focus, including advanced techniques such as lost wax bronze casting for sculpture. All projects will be polished to the highest possible degree of refinement. This course requires determination and persistence throughout lengthy, detailed processes.

A lab fee will cover the cost of metals, stones, and casting materials.

7224 DRAWING AND PAINTING

Grades 10 – 12 .50 Credit 1 Semester
Prerequisite: Art 1

This art course focuses on 2D drawing and painting media and methods. Students will explore at least 8 different mediums, including graphite, charcoal, watercolors, and acrylic paint, through the semester. Students will build upon their knowledge of the Elements and Principles of Art in a 2D context. Students will be graded on their research and exploration, in addition to final projects. After passing Drawing and Painting, students can retake as Drawing and Painting II, which involves more advanced mix-media, research, and independent idea-development.

H721 AP Studio Art

Grades 11 – 12 1 Credit 1 Year Possible College Credit
Prerequisite: Art 1 and at least two other art courses

This year-long college-structured advanced studio course is designed to push your research, experimentation, idea-development, and portfolio professionalism. If one is considering an art or design career or postsecondary option, this class is highly encouraged. Students will create weekly sketchbook drawings, critiques, and discussions, in addition to the AP Portfolio pieces. The AP College Board requires 15 Sustained Investigation pieces and 5 Select Quality pieces to be scored - the Quality pieces will be mailed in to be assessed. The AP scoring is a 1-5 scale with scores 3-5 usually counting as college credits, depending on your chosen college. Additional info about the AP Portfolio can be found here: <https://apstudents.collegeboard.org/art-design-program>

Choir and Band

7111 TREBLE CHOIR

Grades 9-12 1 Credit 1 Year
No Prerequisite

Treble Choir is a women's choir that sings a variety of music. This is the mandatory destination for any female in grade 8 choir. Focus will be placed on proper vocal production, sight-reading, diction, music theory, and functioning as a musical ensemble. There are required performances for this choir.

7114 MEN'S CHOIR

Grades 9 – 12 1 Credit 1 Year
No Prerequisite

Men's Choir is the mandatory destination for any male in grades 8-12 who is not in Canto Voce. Focus will be placed on proper vocal production, sight-reading, diction, functioning as a musical ensemble and dynamic production. There are required performances for this choir.

7112 ACAPELLA CHORALE

Grades 9 – 12 1 Credit 1 Year
Prerequisite: Chosen by audition only

Acapella Choir is a women's ensemble that sings a variety of acapella music written for higher level singers. Focus will be on singing modern acapella arrangements with an emphasis on building a high quality women's choir sound for the current era. Students in grades 9-12 will be allowed to audition for entrance in to the ensemble. There are required performances for this choir. Several community performances will occur during the year. *Must audition for admittance.

7113 CANTO VOCE

Grades 9 – 12 1 Credit 1 Year
Prerequisite: Chosen by audition only.

Canto Voce is a small auditioned choir that will focus that will focus on a varied repertoire of music ranging from: Acapella, Vocal Jazz, Madrigals, and new pieces arranged for college level choirs. You must have permission from the director to join this choir.

7133 MUSIC THEORY

Grades 9-12 .50 Credit 1 Semester
No Prerequisite

Music Theory will focus on the inner workings of music from the basics to advanced chord progressions. Students will learn how and why music is written the way it is. Any student considering a future in music should strongly consider this course.

7129 CONCERT BAND

Grades 9-12 or director consent 1 Credit 1 Year

This course emphasizes the acquisition and development of basic musical skills. The concert band will appear in concerts, athletic events, parades, festivals, civic functions and other public performances. **This includes parade marching band experiences during the year.** Certain events will require students to spend time outside the normal school day to fulfill the requirements for this course. (Some students may be required to learn a secondary instrument appropriate for marching band instrumentation.)

Requirements:

Group participation in all performances
Lessons/Sectionals as assigned by director
Chair placement audition
Individual responsibility for instrument, music and band uniform maintenance
Ability to perform at basic to early intermediate level literature
Participate in WSMA Large Group Festival or approved clinic

7130 SYMPHONIC WINDS

Grades 9-12 or director consent .1 Credit 1 Year
Prerequisite: Minimum two year instrumental experience

This course emphasizes the acquisition and development of intermediate musical skills. The concert band will appear in concerts, athletic events, parades, festivals, civic functions and other public performances. **This includes parade marching band experiences during the year.** Certain events will require students to spend time outside the normal school day to fulfill the requirements for this course. (Some students may be required to learn a secondary instrument appropriate for marching band instrumentation.)

Requirements:

Group participation in all performances
Lessons/Sectionals as assigned by director
Chair placement audition
Individual responsibility for instrument, music and band uniform maintenance
Ability to perform intermediate level literature
Participate in WSMA Large Group Festival or approved clinic
Participate in WSMA Solo and Ensemble contest

7131 ANTIGO WIND ENSEMBLE

Grades 9-12 1 Credit 1 Year

Prerequisite: Placement based on audition and instrumentation needs

This course emphasizes intermediate to advance musical skills. The Chamber Winds will appear in concerts, athletic events, parades, festivals, civic functions and other public performances. **This includes marching band experiences during the year.** Certain events will require students to spend time outside the normal school day to fulfill the requirements for this course. (Some students may be required to learn a secondary instrument appropriate for marching band instrumentation.)

Requirements: include all concert band requirements *with the addition of:*

Additional performances outside the school day

Required student organized sectionals

Ability to perform advanced high school to college level literature with a one per part format

Participate in WSMA contest on a class A Solo.

7132 PERCUSSION ENSEMBLE

Grades 9-12 1 Credit 1. Year

Prerequisite: Must be enrolled in a music class. Needs approval from band teacher.

Students in the percussion ensemble class have the opportunity to be consistently challenged. The course will be a full percussion ensemble pieces, chamber music including duets, trios, and quartets, drumline music, and much more. All students will be able to work on playing many different drums, keyboard instruments, and auxiliary percussion.

HIGH SCHOOL PERCUSSION & COLOR GUARD CAMP

Percussion and Color Guard Camp is REQUIRED for all Drumline, Front Ensemble, and Color Guard members of the Antigo High School Marching Band. These students must also sign up for "Marching Band Camp".

MARCHING BAND

Marching Band Camp is REQUIRED for all members of the Antigo High School Marching Band. We will learn the music and drill for the band's production.

World Language

6110 GERMAN 1

Grades 9 – 12 1 Credit 1 Year

Students interested in careers in technology, science, and business will find the German language very helpful. German 1 is an introduction to the sounds, vocabulary, and syntax of the German language. The student will master the four skills of understanding, speaking, reading, and writing German at a basic level. The student will become familiar with the culture and values of the German people.

6210 GERMAN 2

Grades 10 – 12 1 Credit 1 Year
Prerequisite: German 1

The fundamentals of German 1, reading writing, listening and understanding, continue to be taught in German 2. German 2 is an advanced course which must be preceded by German 1.

H630 GERMAN 3 (Weighted Class)

Grades 11 – 12 1 Credit 1 Year
Prerequisite: German 2

Students continue to acquire the fundamentals of German that began in German 1 and 2. This is an ongoing process lasting the entire year. Literature and reading selections are examined and students learn about modern cultural themes. The topic of traveling in Germany is also thoroughly explored.

H640 GERMAN 4 (Weighted Class)

Grade 12 1 Credit 1 Year
Prerequisite: German 3

Students are given a complete review of the most important grammatical aspects of German 1, 2, and 3. This is an ongoing process lasting the entire year. Literature and reading selections are examined and students learn about modern cultural themes. Students learn to work independently on a number of tasks. Computer use and benefits of using the Internet are stressed. The topic of traveling in Germany is also explored.

6120 SPANISH 1

Grades 9 – 12 1 Credit 1 Year
The course may be online or in person depending on the teacher.

Spanish Americans are now the largest and fastest growing single minority group in the United States. Their language has penetrated all areas of our society. Bilingual workers are very valuable in the job market. The students learn to read, speak, write, and sing in Spanish using books, movies, tapes and CD's.

6220 SPANISH 2

Grades 10 – 12 1 Credit 1 Year
Prerequisite: Spanish 1 with a grade of C or above
The course may be online or in person depending on the teacher.

Spanish 2 is an advanced course which must be preceded by Spanish 1. This is a continuation of the fundamental course with emphasis on reading, speaking, and interpreting the Spanish language.

H631 SPANISH 3 (Weighted Class)

Grades 11 – 12 1 Credit 1 Year
Prerequisite: Spanish 2 with a grade of C or above
The course may be online or in person depending on the teacher.

Spanish 3 is the history of Mexico, taught from a bilingual history book. Also songs, remedial grammar, newspapers, games, short speeches and a study of Spanish movies.

H641 SPANISH 4 (Weighted Class)

Grade 12 1 Credit 1 Year
Prerequisite: Spanish 3
The course may be online or in person depending on the teacher.

Spanish 4 is Spanish literature with a large number of short stories that can often be finished in one or two days. Newspapers, games, songs, short speeches, and remedial grammar and Spanish movies.

Business

8214 INTRO TO MS OFFICE (DC)

Grades 10 – 12 .50 Credit 1 Semester

Introduces learners to basic concepts using the Microsoft Word application through hands-on learning activities. Learners develop foundational skills by applying concepts explored to create business letters, brochures, resumes, newsletters and more. Microsoft Excel using real-world activities. Learner topics include entering, editing, and formatting entries; selecting cells and ranges, and creating and modifying basic formulas. Microsoft PowerPoint skills including creating a new presentation, adding and formatting slides, navigating a slide show, inserting images and backgrounds, and adding transitions and animations.

8426 SPORTS & ENTERTAINMENT MARKETING/PACKAGING & LABELING

Grades 11 – 12 .50 Credit 1 Semester
No Prerequisite

The Sports and Entertainment Marketing/ Packaging & Labeling course introduces students to the dynamic world of marketing within the sports, entertainment, and event industries. This course emphasizes how marketing principles—such as branding, promotion, sponsorship, pricing, and distribution—are applied to professional sports, music, film, and live events. Students will examine how consumer behavior, digital media, and emerging technologies influence marketing strategies in these high-profile fields. This course will also introduce students to labeling and packaging products that we are already producing in other classes.

8411 SOCIAL MEDIA MARKETING

Grades 11 – 12 .50 Credit 1 Semester
No Prerequisite

This course will focus on understanding and effectively using strategies of marketing and providing key concepts and learning experiences with social media marketing and digital marketing practices. By gaining an understanding of foundational concepts, creating practical hands-on projects and experiencing social media and digital marketing today and in their future careers.

This course is offered every other year. (Scheduling for fall of odd years)

8212 INTRODUCTION TO BUSINESS

Grades 9-12 .50 Credit 1 Semester
No Prerequisite

Introduction to Business is a one-semester course designed for students interested in exploring the business and marketing fields. Students will be introduced to a variety of business and marketing topics, including:

- business communications and careers
- marketing concepts
- marketing research
- advertising and promotion
- entrepreneurship/business ownership
- personal finance
- selling
- economics
- retail management

8213 PERSONAL FINANCE

Grades 11 – 12 .50 Credit 1 Semester
No Prerequisite

The objective of this course is to help students develop their ability to make personal financial decisions and become wise earners, spenders, and savers. This course will help students identify:

- personal financial goals
- develop strategies for career choices
- organize & manage money (budget)
- review consumer purchasing & protection (ID theft)
- consider banking options
- manage a checking account
- manage credit (how your credit score will affect your borrowing costs)
- explore buying vs. renting for housing
- consider investment choices for savings & retirement
- plan a tax strategy
- cover insurance options (auto, home, health, disability)
- identify your values and giving time, talents, and money
- learn about the stock market and participate in a real time stock market game

Mathematics

2101 ALGEBRA

Grades 9 – 12 1 Credit 1 Year

This course explores multiple representations of linear, quadratic, and exponential functions where students begin to solve situations using multiple methods. This is the first required class for all freshmen unless they completed this class in 8th grade.

2103 GEOMETRY

Grades 9 – 12 1 Credit 1 Year

Prerequisite: Students must have completed Algebra to enroll in Geometry.

This course stresses the direct application of postulates and theorems to practical situations and does not stress geometric proofs. The course is recommended for students who have just completed Algebra.

2255 ALGEBRA II

Grades 11 – 12 1 Credit 1 Year



Prerequisite: Students must have completed Algebra and Geometry to enroll in Algebra II.

Algebra II is a continuation of concepts learned in Algebra while applying Geometry knowledge. Topics studied in Algebra II include: linear equations, factoring, relations and functions, quadratic equations, and systems of equations. These areas are the same as those studied in Algebra but with an emphasis on clarification and broadening their usage. Other topics included in Algebra II include: logarithms, series and summation, complex numbers, trigonometric functions, analytical trigonometry and probability.

This course will be dual credit with Intermediate Algebra w/Applications and will earn 4 NTC credits for Juniors & Seniors at no cost to the student if they earn a semester grade of C or better.

2200 APPLIED MATHEMATICS(DC)

Grades 11 – 12 1 Math credit 1 Year



Prerequisite: Completion of Geometry and completed or concurrently taking **one** classes of tech. ed. classes in their intended career pathway: Automotive, Carpentry, Cad Design, Engineering Design, Metals.

Review and application of basic arithmetic skills involving whole numbers, fractions and decimals. Introduction and application of percents, area, volume, ratios and proportions will also be covered. The measurement system, angle, perimeter, square and board feet and formulas for geometric shapes as well as algebra will be taught.

This class will be a two credit course where the student will earn one high school math credit, one CTE credit, **and earn two NTC dual credits of "Applied Mathematics 1" for Juniors & Seniors at no cost to the student.**

2301 COLLEGE ALGEBRA W APPS (DC)

Grade 11-12 1 Credit 1 Year

Prerequisite: Students must have completed Algebra II.

This course covers those skills needed for success in Calculus and many applications areas on a baccalaureate level. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities (linear and nonlinear), relations and functions, systems of equations and inequalities (linear and nonlinear), matrices, graphing, conic sections, sequences and series, combinatorics, and binomial theorem.

H231 TRIGONOMETRY W APPS (Weighted Class) (DC)(Pre Calculus)

Grade 11 1 Credit 1 Year

Prerequisite: Algebra II

Trigonometry W APPS covers topics, including functions, trigonometry, logarithms, matrices, analytical geometry, sequences, probability and an introduction to calculus.

H241 ADVANCED PLACEMENT CALCULUS (Weighted Class)

Grade 12 1 Credit 1 Year

Prerequisite: Pre-Calculus

This is a full year of calculus. This course is designed to prepare students for the AB Advanced Placement Test given in the spring of the year, which if passed, gives students college credit for calculus. This class taken by teacher recommendation and approval.

Media Technology

Physical Education / Health Education

5205 UNIFIED PE

Grade 9-12

.50 Credit

1 Semester

Talk with your PE Teacher for application.

This class is a PE class including students with and without intellectual disabilities working in an inclusive environment so all students are supported in contributing to meaningful ways, not some students being the “helped” and others being the “helpers.” Students will follow the curriculum supported by grade level.

5100 PHYSICAL EDUCATION (9th)

Grade 9

.50 Credit

1 Semester

Phy Ed. Lock Fee \$6

Prerequisite: No Prerequisite

Physical Education (9th) provides an opportunity for the development of basic rules, skills, and strategy in a wide range of areas such as individual fitness activities, team sports, and recreational activities. The four components of fitness, cardio-vascular endurance, muscular strength and endurance, agility, and flexibility will be promoted and evaluated. Through this course students learn WHY and HOW a particular physical activity affects their bodies and their personal health. This course is also designed to promote a positive attitude towards physical activity and good sportsmanship by working with others. Students will be introduced to and become competent in FITNESSGRAM testing, heart rate monitors, and pedometers. Summer school does not count as credit towards this course.

5500 SWIMMING/LIFEGUARD TRAINING/Officiating

Grade 9-12

.50 Credit

1 Semester

Semester Fee: Additional Red Cross Certification fees may apply

Students in this class will experience lessons designed to increase overall fitness related to aquatic activities, improve their basic swim stroke, and develop lifesaving skills. The course curriculum will combine Wellness standards with Red Cross course work.

Wellness lessons will focus on developing personal water safety, diving, and fitness-related skills. The Red Cross material will be taught by YMCA staff certified in Lifeguard Instructor Trainer. Students will have the option to take the Red Cross Certification Class and will learn essential lifesaving skills such as First Aid, CPR and Water Saves. Students that complete the Red Cross Certification program have the option of paying for Red Cross Certification in Lifeguarding, CPR/AED, or First Aid. Note: Students must be 15 years old on or before the end of the lifeguard course to be certified through the Red Cross.

5400 ADVENTURE BASED FITNESS

Grades: 10-12

.50 Credit

Prerequisite: Physical Education

The following activities are the basis for this course; other activities may be added by the instructor:

- Cardio and strength fitness
- FITNESSGRAM testing
- Orienteering
- Ropes Course
- Disc Golf
- Rollerblading
- Hiking
- Pool Activities (Scuba-diving, kayaking)
- Self-defense
- Ultimate Frisbee/football
- Cooperative Games
- Archery
- Biking
- Fitness Trail
- Tchoukball
- Winter Recreation

Field trips may be taken for this class which may require students to pay fees.

5401 RECREATIONAL FITNESS

Grades: 10-12

.50 Credit

Prerequisite: Physical Education

The following activities are the basis for this course; other activities may be added by the instructor.

- Cardio and strength fitness
- FITNESSGRAM Testing
- Bowling
- Yard Games (bocce ball, horseshoes, ladder golf, croquet, washers)
- Indoor & Outdoor Archery
- Sand Volleyball
- Cross Country Skiing

- Snowshoeing
- Badminton
- Broomball
- Biking
- Pool Activities
- Basketball
- Pickleball
- Rollerblading
- Table Tennis
- Eclipse Ball
- Disc Golf
- Fitness Trail

Field trips may be taken for this class which may require students to pay fees.

5402 INDIVIDUAL FITNESS

Grades: 10-12 .50 Credit

Prerequisite: Physical Education

The following activities are the basis for this course; other activities may be added by the instructor.

- Cardio and strength fitness
- FITNESSGRAM Testing
- Indoor & Outdoor Archery
- Badminton
- Pickle Ball
- Tennis
- Table Tennis
- Speedminton
- Fitness Trail
- Eclipse Ball
- Disc Golf
- La Crosse
- Wedding Dances
- Water Activities
- Yard Games (bocce ball, horseshoes, ladder golf, croquet, washers)

Field trips may be taken for this class which may require students to pay fees.

5404 TEAM FITNESS

Grades: 10-12 .50 Credit

Prerequisite: Physical Education

The following activities are the basis for this course; other activities may be added by the instructor.

- Cardio and strength fitness
- FITNESSGRAM Testing
- Basketball
- Volleyball
- Soccer
- Softball
- Football
- Speedball
- Handball
- Broomball
- La Crosse
- Water Activities
- Sand Volleyball
- Floor Hockey
- Eclipse Ball
- Fitness Trail
- Tchoukball

Field trips may be taken for this class which may require students to pay fees.

5303 ADVANCED WEIGHT TRAINING AND CONDITIONING

Grades: 10-12 .50 Credit

Prerequisite: Physical Education and Beginner Weight Training and Conditioning

Advanced Weight Training and Conditioning is offered to students who want to continue developing their muscular strength, speed, agility, and flexibility. The course includes a high intensity individualized weight lifting program that is calculated off of their one rep max of each lift. Lifts in the workout include the squat, bench press, hang clean, push jerk, and more. This is a four day weight training program with each lifting day beginning with a warm-up. Warm-ups include but are not limited to the dot drill, jump rope, speed-ladder, small hurdles, stairs, plyometric boxes, etc. The off day will be dedicated to improving speed, agility, and explosiveness. Students will be assessed on the 40 yard dash, pro agility, 3 cone drill, standing long jump, and vertical jump. We will also break down running technique via video to enhance speed and improve form.

5201 BEGINNER WEIGHT TRAINING AND CONDITIONING

Grades: 10-12 .50 Credit
Prerequisite: Physical Education

Beginner Weight Training and Conditioning is a course offered to students interested in developing their muscular strength, speed, agility, and flexibility. The course includes learning proper technique of different Olympic lifts and following a program to improve their strength and power over the semester. Lifts in the workout include the squat, bench press, hang clean, push jerk, and more. This is a four day weight training program with each lifting day beginning with a warm-up. Warm-ups include but are not limited to the dot drill, jump rope, speed-ladder, small hurdles, stairs, plyometric boxes, etc. The off day will be dedicated to improving speed, agility, and explosiveness. Students will be assessed on the 40 yard dash, pro agility, 3 cone drill, standing long jump, and vertical jump. We will break down lifting and running technique via video to enhance strength, speed, power, and improve form.

5252 HEALTH EDUCATION 10

Grade 10 .50 Credit 1 Semester

No Prerequisite

Health Education develops skills for daily living and lifetime wellness. The topics covered are; personal health, mental and emotional wellness, nutrition, ATOD (alcohol, tobacco, and drugs), and human growth and development. The main objective in Health Education is to help students make intelligent decisions concerning their physical, social, and mental well-being. The student will be graded on tests, quizzes, class participation, and projects.

5253 ADVANCED HEALTH

Grades 11-12 50 Credit 1 Semester
Prerequisite: Health Education 10

This course will give the students an opportunity to study health issues above and beyond introductory health. This course will be excellent for any student interested in acquiring knowledge of leading a healthier lifestyle. Topics covered will be the aging process from birth to elderly, body systems, nutrition, ATOD (alcohol, tobacco, and other drugs), human growth and development, health career opportunities, and current health issues. Students will be graded on homework, tests, and projects both group and individual.

8330 INTRO TO HEALTH OCCUPATIONS

Grades 11-12 .50 Credit 1 Semester

Prerequisite: Health 10
Contact Ms. Frisch

This class will provide students, interested in health occupations, with the basic entry-level knowledge and skills required for a variety of occupations in the field of health. The class will include visiting health care facilities in the community and listening to speakers who are currently employed in the health field. Students will job shadow and they will get experiences in working with people in the community.

Science

3100 PHYSICAL SCIENCE

Grade 9-12 1 Credit 1 Year
No Prerequisite

The material studied in this general physical science class covers a variety of topics including using the scientific method of scientific investigations, creating and interpreting tables, charts, and graphs of data, exploring kinetic and potential energy and energy changes, investigating the basic physical properties of matter, and discovering how atoms and molecules combine to form different substances. The students also study the concepts of earth science (structure, plate tectonics, continental drift, etc.). Experiments serve to emphasize and develop the concepts through hands-on activities.

3200 BIOLOGY

Grade 10-12 1 Credit 1 Year
No Prerequisite

Biology is the study of living things. Areas of study in this course will include the following topics: the Scientific Method, Cells, Heredity, Evolution, Microbes, Classification, Human Biology, and Ecology. A variety of labs, which will include microscope and dissections, will be introduced to illustrate and reinforce concepts.

Students who passed the accelerated Physical Science course in 8th grade at AMS or All Saints with an "A" or "B" may sign up for Biology as a ninth grader

8124 FOREST SCIENCE

Grades 11 - 12 0.50 Credit 1 Semester
Prerequisite: Biology

Topics of discussion include the importance of forestry, career opportunities, physiology of trees, forest ecology, diseases, and role of the government, harvest and reforestation, fire in the forest, safety, forest products and urban forestry. Tours and speakers are a part of forest science.

8122 WILDLIFE MANAGEMENT

Grades 11-12 0.50 Credit 1 Semester
Prerequisite: Biology

Areas of study will include identification of Wisconsin game, game management, and population management. Discussion will also include hunting and fishing regulations, water and water pollution, and wildlife-related careers. Students will review related videos.

3301 ENVIRONMENTAL SCIENCE

Grades 11 – 12 1 Credit 1 Year

Prerequisite: Biology

This course is designed to be the equivalent of a one-semester, introductory college-level course in Environmental Science.

The goal of the course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze both natural and man-made environmental problems, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Topics include the roots of environmental issues, the characteristics of ecosystems, the cycling of water and other substances through ecosystems, the interdependency of all living and non-living things, a study of atmosphere and climate, energy production and use, human land use, human population growth, air and water pollution, and waste production. Reinforcement of content is supported by field trips and extensive laboratory and project work.

Knowledge gained in this course will help students become competent decision makers in areas concerning the environment as well as to help them explore some career options in the areas of Ecology and Environmental Science.

H332 ADVANCED BIOLOGY (Weighted Class)

Grade 11 – 12 1 Credit -1 Full Year
Prerequisite: Biology

Advanced Biology is an in-depth exploration of the principles of life science, designed for students who have a strong foundation in basic biology and wish to expand their understanding of living systems. Using the CK-12 FlexBook curriculum, students investigate topics such as cellular structure and function, genetics, evolution, ecology, and human body systems. Emphasis is placed on scientific inquiry, data analysis, and real-world applications of biological concepts.

Laboratory and virtual investigations allow students to develop critical thinking and problem-solving skills while connecting biological theory to practice.

H333 BODY, STRUCTURE AND FUNCTION (DC)

Grades 11–12 1 Credit 1 Year

Prerequisite: Biology



This course is designed for the college-bound student that desires to do work in the field of science. It covers the eleven major human body organ systems. The microscopic and macroscopic structural makeup of each organ system is taught. The dissection of cats, sheep brains, pig hearts, etc., provides a comparison system which aids in the learning process. Once the structural aspect of each system has been mastered, the class directs toward a study of function. The class considers how each organ system and its corresponding parts work together in accomplishing their various functions. A variety of labs are introduced to aid in this process.

This course is a dual credit course with NTC. Juniors & Seniors will receive 3 NTC level credits with Body, Structure and Function if the student receives a 'C' or better on the NTC grading scale. The credits will come from NTC but may transfer to other schools.

H334 PHYSICS 1 (Weighted Class)

Grades 11 – 12 1 Credit 1 Year

Prerequisite: Physical Science and Algebra II or taking Algebra II at the same time.

Physics 1 is the fundamental science dealing with matter and energy. This first year course is a study of Newtonian mechanics, including 1- and 2- dimensional motion, force, work and energy, power, torque, and waves. Students must be comfortable with mathematical operations. Students are expected to be familiar with rearranging algebraic equations, solving for an unknown variable, and acquainted with the use of sine, cosine and tangent functions in trigonometry. Students will learn to solve mathematical problems in force and motion. Some laboratory exercises will be performed. Several local field trips provide hands-on and visual reinforcement of the concepts studied in class. This course is recommended for those students who may be taking physics in college.

H335 PHYSICS 2 (Weighted Class) This course is offered every other year (Scheduling for fall of even years)

Grades 11 – 12 1 Credit 1 Year

Prerequisite: Physics 1

Physics 2 is the continuation of Physics 1. This second year course is a study of sound and light phenomena, electrical and magnetic forces, the flow of electricity, atomic, solid state, and nuclear physics. Students are expected to be familiar with the Newtonian mechanics taught in Physics 1, and to be proficient in mathematical and trigonometry operations. This course involves several free-form experiments as well as solving mathematical problems in sound, light, electricity and magnetism. Students must be able to work on their own, to research topics independently and in detail, and to focus on practical tasks. This course is recommended for students who intend to study the sciences or engineering in college.

3201 CHEMISTRY 1

Grades 11 – 12 1 Credit 1 Year

Prerequisite: "Physical Science" and "CP Algebra" or an "A" or "B" in "Core Connections Algebra"

Chemistry is the study of matter and energy and how they change. This course investigates the structure and composition of matter (from the simple atom through different types of compounds and mixtures), the states of matter, physical changes (changes in state), and chemical changes (bonding and chemical reactions). Algebra is used as a tool to quantify (put numbers with) the concepts. Laboratory work and teacher demonstrations are used to illustrate and reinforce the concepts. Specific areas of study include the atom, periodic law, chemical reactions, stoichiometry, kinetic theory, behavior of gases, gas laws, introduction to rate and equilibrium through collision theory, and an introduction to solution chemistry.

H337 CHEMISTRY 2 (Weighted Class)

Grades 11 – 12 1 Credit 1 Year

Prerequisite: at least a "C" in "Chemistry 1" and teacher recommendation

This course provides a review of topics from Chemistry 1 and a continuation of general chemistry topics for those who may take chemistry after high school including the opportunity to further investigate topics like thermochemistry, organic chemistry, solution chemistry, acids and bases, oxidation and reduction, electrochemistry, spectroscopy, and nuclear chemistry.

Approximately one-fourth of the course is laboratory based and devoted to the study of qualitative analysis (determining which substances are present in a mixture). This study provides the students with the opportunity to utilize and develop laboratory techniques and skills necessary for future laboratory science studies. The qualitative analysis is an application of the solution chemistry classes learned in the second semester of the first-year chemistry course.

Additional science electives are available through Agriculture Education and Family and Consumer Education.

Social Studies

4100 CIVICS

Grade 9 1 Credit 1 Year
No Prerequisite

American values of democracy, equality, and popular sovereignty are key components of our society; instilling a functional level of civic understanding and engagement is needed to help students develop into the future leaders of our community. Civics, therefore, is the cornerstone of any civically engaged American citizen. This year-long social studies course teaches students about the rights, responsibilities, and practical aspects of citizenship. Topics will also include how the government works and how citizens can participate in civic life. This course will culminate in taking the state mandated Civics Exam.

4300 AMERICAN HISTORY 1

Grade 10 .50 Credit 1 Semester

Prerequisite: Civics

This course is the first of a two-semester sequence that continues to chronologically study The United States historical development from the end of the Civil War through the Roaring 1920's. We will essentially be tracing how America has been shaped and influenced by ever changing events, people, ideas, morals, and technology. We will examine these topics in a variety of ways including discussions, lectures, projects, current events, tests, essays, and research. Students will develop and utilize historical inquiry skills to demonstrate understanding of key concepts related to American life.

4400 AMERICAN HISTORY 2

Grade 10 .50 Credit 1 Semester

Prerequisite: American History 1

This course is the second of a two-semester sequence that continues to chronologically study The United States historical development from the end of the Roaring 20's through the present. We will essentially be tracing how America has been shaped and influenced by ever changing events, people, ideas, morals, and technology. We will examine these topics in a variety of ways including discussions, lectures, projects, current events, tests, essays, and research. Students will develop and utilize historical inquiry skills to demonstrate understanding of key concepts related to American life.

H441 ADVANCED PLACEMENT AMERICAN HISTORY 12 (Weighted Class)

Grade 12 1 Credit 1 Year

This is a weighted course with prerequisites.

Prerequisite: American History 11 and successful completion of a history and writing skills test.

Students may not register for this course until completing the prerequisites.

AP American History is a course designed to provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials of US history. The course is designed to prepare students to take the AP United States History test that allows students to earn 6 college credits. The course covers US history from the discovery and settlement of the New World to the Reagan administration. Students will develop skills helping them learn to assess historical materials—their relevance to a given problem, their reliability, and their importance— and to weigh the evidence and interpretations presented in historical scholarship. As this is a weighted class and college level course, students should have a high interest in the area as well as above-average writing and reading skills.

FOUNDATIONS OF WESTERN CIVILIZATIONS

Grade 11 – 12 .50 Credit 1 Semester

Prerequisite: Civics

This elective course explores Western Civilizations from the development of democracy in Greece through the European empires involved in World War 1. Students will study man's geographic, economic, and political adaptations throughout time to see how and why humans formed governments, explored new areas, and developed trade with other cultures. The societies and cultures will be studied to better understand the conflicts which confront nations today.

4200 WORLD GEOGRAPHY

Grade 11 – 12 .50 Credit 1 Semester

Prerequisite: Civics

World Geography is the study of man in the environment and how the environment affects economic, political, and social activities. The physical makeup of the Earth, including the climatic influences, will be studied in depth during the first nine weeks. The balance of the year will be approached from an economic, social, and political point of view. Activities included are role-playing simulations, games, and other activities.

4301 PSYCHOLOGY (DC)

Grade 11 – 12 1 Credit 1 Year



Prerequisites: Students must be a junior or senior based on credits. Students also must have performed at grade level in English 10.

This introductory course in psychology is a survey of the multiple aspects of human behavior. It involves a survey of the theoretical foundations of human functioning in such areas as learning, motivation, emotions, personality, deviance and pathology, physiological

factors, and social influences. It directs the student to an insightful understanding of the complexities of human relationships in personal, social, and vocational settings.

Course 4301: This is a year-long dual credit course with NTC. Juniors & Seniors will receive 3 NTC level credits of psychology if the student receives a 'C' or better on the NTC grading scale. The credits will come from NTC but may transfer to other schools.

H420 AP HUMAN GEOGRAPHY This course is offered every other year (Scheduling for fall of odd years)

Grades: 11-12 .50 Credit 1 Semester

AP Human Geography is a semester course that focuses on the distribution, processes, and effects of human populations on the planet. The course provides a systematic study of human geography, including the following topics outlined in the Course Description: Nature of and Perspectives on Geography, Population, Cultural Patterns and Processes, Political Organization of Space, Agricultural and Rural Land Use, Industrialization and Economic Development, Cities and Urban Land Use. The purpose of this course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also gain knowledge of the methods and tools geographers use in their science and practice. The course teaches the use of spatial concepts and landscape analysis to examine human organization of space. The course teaches students how to use and interpret maps, data sets, and geographic models. GIS, aerial photographs, and satellite images, though not required, can be used effectively in the course. The course teaches spatial relationships at different scales ranging from the local to the global. The intent is to challenge young students with a college level course. Students in this course should expect to complete a rigorous mix of readings, reflections and exams. After taking the course, students will be encouraged to take the Advanced Placement Human Geography test in May to potentially qualify for college credit.

H421 ADVANCED PLACEMENT EUROPEAN HISTORY (Weighted Class) This course is offered every other year (Scheduling for fall of odd years)

Grade 10-12 1 Credit 1 Year

Prerequisite: World History 9 and successful completion of a history and writing skills test. Students may not register for this course until completing the prerequisites.

AP European History is an elective course that provides a basic narrative of events and movements of modern European history since 1450 AD. The course is designed to prepare students to take the AP European History test that allows students to earn 3 college credits. The other goals of the course are to improve students' writing skills, provide opportunities to analyze and interpret historical evidence, and understand principal themes in modern European history. Major course themes will include: Intellectual and Cultural history of Europe, Political and Diplomatic European history, and Social and Economic history including studies of art and music. As this is a college-level course, students should have a high interest in the area as well as above-average writing and reading skills.

H431 ADVANCED PLACEMENT UNITED STATES GOVERNMENT This course is offered every other year (Scheduling for fall of even years)

Grade 11-12 .1 Credit 1 Semester

Please contact Mr. Blood for details, this course will run alternate years to Advanced Placement European History

AP U.S. Government and Politics course involves the study of democratic ideas, balance of powers, and tension between the practical and ideal in national policymaking. Students analyze and discuss the importance of various constitutional principles, rights and procedures, institutions, and political processes that impact us as citizens.

Technology Education

8511 TECH ED AUTOS

Grades 9-12 .5 credit 1 Semester
Class Fee \$15

Basic autos class designed to introduce students to the foundational principles of vehicle operation, maintenance, and repair. It is a prerequisite for other auto courses.

8533 AUTO SERVICE / TECHNICIAN I

Grades 10 – 12 1 Credit 1 Year
Class Fee \$15
Prerequisite: Tech Ed Autos

Considerable time is devoted to the major systems of the automobile. The students are given a basic understanding of how to perform service work on cars. Time is spent in the lab on service work to further develop this understanding. The student is also informed of the many job opportunities open in this field. Juniors are given first preference, seniors, second preference. It is helpful to have a valid driver's license but not required. Students will individually demonstrate their competency by completing 30 hands on task check off list but the end of the course. This course must be passed with a C or better to enter into Auto Service / Technician 2.

8534 AUTO SERVICE / TECHNICIAN 2

Grades 11-12, 2 hrs . 2 Credits 1 Year
Class Fee \$15
Prerequisite: Auto Technician I



Auto Mechanic / Technician II is a course designed to simulate working in the auto service trade. This course meets two periods a day. The classroom portion is a review of the major systems of the automobile, electricity, electrical test equipment, and troubleshooting procedures. The remaining class time is spent in the lab working on assigned projects as done in an auto service facility.

This course is a dual credit course with NTC meaning successful Junior & Seniors will receive NTCI credits with Automotive Service Fundamentals at no cost to the students. These credits earned will also transfer to other universities.

8530 HIGH PERFORMANCE SMALL ENGINES I

Grades 10 – 12 .50 Credit 1 Semester
Class Fee \$20
Prerequisite: Recommend Tech Ed I
Contact Mr. Churchill, Room 102

Students must receive a C or better in small Engines I to take small Engines II. High Performance Small Engines 1 consists of hands-on application of 4-cycle internal combustion principles, which include mechanical, electrical, and fuel system troubleshooting techniques. There is emphasis on proper disassembly, inspection and cleaning, and reassembly procedures done on small motors along with compression ratio, engine timing, engine parts identification and magneto timing. Alternative energy is also included with hands-on labs. Advanced standing credits at technical colleges.

8531 HIGH PERFORMANCE SMALL ENGINES II

Grades 10 – 12 .50 Credit 1 Semester
Class Fee \$20
Prerequisite: High Performance Small Engines I

Students must receive a C or better in small Engines I to take small Engines II. This course consists of continued hands-on application of 4-cycle and 2-cycle internal combustion engine principles and troubleshooting techniques and mechanical gears in transmissions. There will be a continued emphasis on proper disassembly, inspection, and cleaning and reassembly of 4-cycle and 2-cycle engines and transmissions, along with gear ratios, parts identification. Further research into alternative energy is also included with hands-on labs. Students will be performing diagnostic and maintenance on jobs that enter the shop.

CAREER PATHWAYS/PROGRAMS

AUTOMOTIVE

-
- High Performance Small Engines 1
- High Performance Small Engines 2
- Basic Automotive
- Auto Service / Technician 1
- Auto Service / Technician 2

Cabinetmaking and Construction

8540 CABINET AND FURNITURE DESIGN 1

Grades 9-12 1 Credit 1 Year

Class Fee \$20

Prerequisite:

Cabinet and Furniture Design I consists of hands-on application of machining of wood principles which include different applications of joints, gluing, and finishing and sealing of various woods. Machine and hand tool safety are stressed and tested. The basics of cabinetmaking are also covered and tested. There are required demonstration cuts and a project. One mass produced project is also required. Assignments and tests are given to help students understand the material.

8541 CABINETMAKING AND FURNITURE DESIGN 2

Grades 10-12 1 Credit 1 Year

Class Fee \$20

Prerequisite: Cabinet and Furniture Design 1

Cabinet and Furniture Design II will go over, again, the safety of the tools used, rough cutting, gluing, finish cutting and assembly. Three small projects are required where the student will have to design, calculate board foot, determine materials needed and the machines needed to complete each project. The students also will have to complete one small project of their choice. The course is recommended for juniors and seniors. Time permitting; there will be field trips and job shadowing with the local woodworking industries.

8545 CABINETMAKING AND FURNITURE DESIGN 3

Grades 11-12 1 Credit 1 Year

Class Fee \$20

Prerequisite: Cabinet and Furniture Design 1 and 2

Cabinetmaking and Furniture Design III will again go over all the safety, tools and expectations of the wood shop. Students will be expected to operate and perform as a Student run Business. Students will learn how a small business may operate in a wood shop based environment. As time allows students will be able to work on their own projects, while running and maintaining the student run business. This course is only open to seniors who complete Cabinetmaking and Furniture Design II with a C+ or better. Time permitting, there will be field trips and job shadowing with the local woodworking industry. ***This class may run in conjunction with another class.

8542 CARPENTRY

Grades 10-12 1 Credit 1 Year

Class Fee \$ 20

This course covers hand and power tool safety, framing a house, insulation, plumbing, wiring, masonry, drywall, window and door insulation, painting, finishing, and trim carpentry. Assignments and tests are given to help understand the material. Projects include a model house and practical demonstrations of electrical and plumbing. This course is recommended for sophomores and juniors. Plumbing and electrical codes and practices are covered the first two quarters. The house model, terms, and estimating construction materials are covered the second semester.

8543 CONSTRUCTION This course is offered every other year (Scheduling for fall of odd years)

Grade 11-12 2 Credits (2 hour class) 1 Year

Prerequisite: Carpentry

This course is for seniors who have successfully completed Carpentry. This course is limited to 12 students. **A letter of application and other forms must be completed before acceptance into this class.** This class is two hours each day for a full year and worth two credits. Sometime will be spent in the classroom on related topics. The majority of the time will be spent applying the information covered in Carpentry. The major project will be a house, complete with cabinets, drywall, and trim installed. Juniors must sign up for the class and then the application process and forms will be sent to the applicants with a due date deadline. Members of the class will be selected from the compiled application forms. Attendance and school behavior are only two of the criterion looked at for admittance into the class.

CAREER PATHWAYS/PROGRAMS (contact Mr. Gravitter for additional information)

CARPENTRY

- Technology & Engineering Education
- Cabinet & Furniture Design 1
- Cabinet & Furniture Design 2
- Cabinet & Furniture Design 3
- Carpentry

- Construction **This course is offered every other year (Scheduling for fall of odd years)**

Manufacturing

8512 TECH ED WELDING

Grades 9-12 .50 Credit 1 Semester

Class Fee \$15

Basic welding course providing entry-level instruction on fundamental joining techniques, safety procedures, and equipment operation. It is a prerequisite for all other welding courses.

7223 ART METAL

Grades 10 – 12 .50 Credit 1 Semester

Class Fee \$15

Prerequisite: Art 1

Art Metal: Students will have the opportunity to complete small welding projects, such as yard art or miniature sculptures. Students may choose a personal focus, including advanced techniques such as lost wax bronze casting for sculpture. All projects will be polished to the highest possible degree of refinement. This course requires determination and persistence throughout lengthy, detailed processes.

A lab fee will cover the cost of metals, stones, and casting materials.

8520 METALS 1

Grades 10 – 12 1 Credit 1 Year

Class Fee \$20

Prerequisite: Recommend Tech Ed I

Students will learn to set up and operate manual machining equipment. Students will learn to machine various types of metal and use precision measuring equipment. Students will learn MIG, TIG, Oxy Acetylene, and Stick welding. Students will explore a variety of career opportunities within the manufacturing industry. **This class is a REQUIREMENT for the Metals Youth Apprenticeship Pathway.**

8521 RED ROBIN MACHINING (DE)

Grades 11 – 12 1 2 Credits 1 Year

Class Fee \$20

Prerequisite: Metals 1 with a grade of C or above

This class will use and expand on the skills learned in Metals I. This class will manage and operate their own machine shop. Students will learn everything from quoting the job to sending the finished product to the customer. We will be manufacturing parts for local industry. After completing this class, students will have gained real life experience of what it is like to work in a manufacturing environment. **This class is a REQUIREMENT for the Metals Youth Apprenticeship Pathway.** This course may be offered as a dual credit course with NTC meaning successful junior and senior students will receive credits in Machine Tool Practices 1 at no cost to them.

8523 MACHINE TOOL PROGRAMMING 1 (DE) This course is offered every other year (Scheduling for fall of even years)

Grades 11-12 .50 Credit 1 Semester

Class Fee \$15

Prerequisite: Metals I with a grade of C or above

This course will provide instruction on the fundamentals of computer-controlled machine tools to include conversational language and basic G & M code programming. With an emphasis made on increasing productivity, setup procedures, reliability, repeatability and flexibility. Basic G & M codes work coordinates machine axis information associated with CNC machining will be taught.

8522 METALS FABRICATION (DE) This course is offered every other year (Scheduling for fall of odd years)

Grades 11-12 1 Credit 1 Year

Class Fee \$20

Prerequisite: Metals I with a grade of C or above

This course may be offered as a dual credit course with NTC meaning successful junior and senior students will receive credits in Introduction to Welding at no cost to them.

Students will be expected to brainstorm/problem-solve in the fabrication for various assigned projects. Applied math and drafting skills will be helpful. Engineering and design are also an important part of Metals Fabrication. All available metal working machines will be used in the assemble process.

CAREER PATHWAYS/PROGRAMS

METALS

- Technology and Engineering Education
- Metal 1

- Red Robin Machining
- Metals Fabrication **This course is offered every other year (Scheduling for fall of odd years)**
- Machine Tool Programming¹ **This course is offered every other year (Scheduling for fall of even years)**

Graphic Design

8560 GRAPHIC ARTS/PRINTING 1

Grades 9-12 1 Credit Class Fee \$15
Contact Mr. Doucette

This year-long foundational course introduces students to the fast-paced world of visual communication. Students will use industry-standard software, including Adobe Photoshop and Illustrator, to translate creative concepts into tangible products. From precision-etched mirrors and custom vinyl graphics to apparel design, students will be introduced to the entire creative process from screen to shop floor.

8561 GRAPHIC ARTS/PRINTING 2 (DC)

Grades 10 – 12 1 Credit 1 Year
Class Fee \$15
Prerequisite: Graphics I
Contact Mr. Doucette, RM. 108

This year-long course elevates student designers from digital creators to physical manufacturers. The first semester is an intensive deep-dive into Advanced Adobe Photoshop, focusing on high-level image manipulation, digital restoration, and complex compositing. In the second semester, the focus shifts to the production floor. Students will learn professional printing and fabrication methods, including Screen Printing, Large-Format Printing, Vinyl design and Application, and Laser Engraving to bring their digital designs to life. From custom apparel and intricate wooden signage to professional packaging design, students will develop the technical precision required to enter our student-run business.

8562 GRAPHIC ARTS/PRINTING 3 (CTE)

Grades 11-12, 1 Credit 1 Year
Class Fee \$15
Prerequisite: Graphics I, Graphics II

Red Robin Graphics (2-Year Program)

Red Robin Graphics is a high school level, student-run design agency and production house operating within Antigo High School. This two-year program transforms the classroom into a professional studio environment where students manage real-world accounts, execute custom design projects for local clients, and oversee a proprietary product line.

Year 1: Junior Associate Level (Support & Production)

In their first year, juniors enter the firm as Associate Designers. The curriculum focuses on building a technical foundation in the Adobe Creative Suite and mastering shop equipment, including vinyl cutters, printers, and laser engravers.

- **Role:** Support senior management in fulfilling client orders.
- **Focus:** Mastering design software, learning material science for laser engraving, vinyl, large format printing, and understanding the production pipeline.
- **Key Responsibilities:** Assisting with layout design, prepping files for production, and maintaining quality control on the "Red Robin" product line.

8563 GRAPHIC ARTS/PRINTING 4 (CTE)

Grade 12 1 Credit 1 Year
Class Fee \$15
Prerequisite: Graphics 1, 2 and 3

Red Robin Graphics Year 2: Senior Management (Leadership & Operations)

Returning seniors step into Red Robin Graphics Leadership roles. Transitioning from "creatives" to "business owners", seniors oversee the entire lifecycle of the shop, from initial client consultation to final billing.

- **Roles:** Project Managers, Creative Directors, and Shop Foremen.
- **Focus:** Advanced project management, client communication, marketing, and business finance.
- **Key Responsibilities:** Leading client meetings, managing junior design teams, overseeing inventory and pricing for the product line, and ensuring the long-term growth of the Red Robin Graphics brand.
-

CAREER PATHWAYS/PROGRAMS (contact Mr. Doucette for additional information)

GRAPHIC ARTS

- Graphic Arts/Printing 1
- Graphic Arts/Printing 2
- Graphic Arts/Printing 3
- Graphic Arts/Printing 4

YOUTH APPRENTICESHIP/CO-OP

8160 CO-OP PROGRAM

Grade 11-12 1 Credit 1 Year

The Co-op Program is designed in partnership with business, industry and labor representatives, and educators around the integration of school-based and work-based learning and appropriate career development experiences. Every employment opportunity today requires the application knowledge and skills in a real-world context. The Certified Co-op Program encourages students to move through a series of learning activities with opportunities for career exploration, further learning, and employment skills bases on state standards.

8170 – YOUTH APPRENTICESHIP

Grade 11-12 1 Credit 1 Year

The Youth Apprenticeship (YA) Program is a rigorous one- or two-year elective statewide program that combines academic and technical instruction with mentored, paid, on-the-job learning that makes a real world connection for students. Youth Apprentices work a minimum of 450 hours at their YA worksite each year of their program and take related high school or college classes to enhance their worksite experiences.

Skill standards can be obtained with:

- Transportation, Distribution, & Logistics
- Manufacturing
- Hospitality, Lodging, & Tourism
- Health Science
- Agriculture, Food, & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Information Technology (IT)
- Science, Technology, Engineering, & Math (STEM)
- Finance
- Marketing