



Minnewaska Area High School Course Description Book

2020 - 21



Dear Students and Parents/Guardians,

We have come to the point in the school year where we need to begin the registration process for the 2020-21 school year. This course description book contains valuable information that will help understand the required classes that a student must take at each grade level, as well as the electives that are available at each grade. We strongly encourage families to review this book together as each student plans the courses he/she wants to take. Please keep the following questions in mind as you work through the registration process together:

1. What are the required courses for each grade level?
2. What electives are available at each grade level?
3. How many total credits are required to graduate from MAHS?
4. What classes are necessary to achieve my future goals?
5. What classes will be beneficial to work on skill deficit areas identified by required tests such as the MCA II GRAD test or the ACT test?

These are important factors to keep in mind when selecting classes that will lead to a successful path in high school. **We encourage you as parents/guardians to discuss these meetings with your students and look at their registration selections on-line with them.** If you have any questions or would like to meet individually with the school counselor, please call 239-1315 and make an appointment.

To help students make the best choices about classes that will allow them to work on skills from personal deficit areas, each course description now includes a list of the required content standards taught within each class. For example: a student that is struggling to pass the reading test could look for elective classes that teach content standards from the reading test and know that they will have opportunities to increase their reading skills and thus their score on the GRAD reading test. Once again, if you have questions about how to use this information, please call the high school office to speak with a counselor.

Please note that college level courses are shaded for your convenience.

Course Selection and Placement

Every effort is made to place students in the classes of their choice. Priority is given to upper class students. Due to class size limitations and teaching assignments, it is not always possible to give students their first choice.

Multi-Culture Gender Fair Disability Sensitive Policy

Minnewaska Area High School Staff and Students are committed to developing and maintaining an atmosphere of respect for all individuals regardless of race, social class, gender, age, religion, or physical/psychological conditions. We will not tolerate racism, cultural/ethnic discrimination, religious intolerance or harassment or "put-down" remarks about race, religion, social class, gender, ethnic background, age, sexual orientation or physical/psychological status of students or staff. We believe that the best and most effective learning for tomorrow's citizens and leaders takes place in a multi-cultural, gender fair, and disability-sensitive environment. Please refer to District policies 514 and 521 for details.

Non-Discrimination Policy

Minnewaska Area Schools are committed to providing equal education and employment opportunities to all persons regardless of race, color, creed, gender, religion, marital status, national origin, or physical disability and to any other group or class against which discrimination is prohibited by State or Federal law, including Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and by any other applicable statutes and regulations relating to equality of opportunity.

Inquiries regarding compliance may be directed to Compliance Officer, Chip Rankin, 320-239-4820 or write to Compliance Officer, Title IX, Minnewaska Area Schools, 25122 State Hwy. 28, Glenwood, MN 56334.

Minnewaska Area High School

Course Book

General Information

A. High School Admissions Requirements

Students are promoted to the high school upon recommendation of the eighth grade faculty. Successful completion of eighth grade requirements is necessary for promotion to grade nine. All students enrolled in the high school must be full-time students unless they are also enrolled part-time in the post-secondary enrollment options plan or they have completed four years of high school.

B. Determination of Class Status

Students are admitted to high school at the ninth grade upon recommendation of the eighth grade teaching staff. To be classified as a sophomore, students must have earned 6 credits. To be classified as a junior, students must have at least 12 credits. To be classified as a senior, students must have at least 18 credits.

C. Graduation Requirements

To be eligible for a diploma at commencement exercises, MAHS students must meet the required credits (see list below). These credits must be earned in grades 9 through 12. Minnewaska Area High School does have an early graduation option. If you plan on graduating early you must have all credits completed at the end of a semester. Students must be full-time at Minnewaska Area High School. The following credits are required at each grade level and must be successfully completed for graduation.

Class of 2024	Class of 2023	Class of 2022	Class of 2021
English 9	English 10 OR Advanced English 10	English 11 OR AP Literature OR ATCC Composition I & II	English 12 OR AP Language OR ATCC Intro. To Literature & ATCC Public Speaking
U.S. History	AP World History OR World History	Sociology AND Economics	AP Amer. Gov. & Politics OR Amer. Gov.
Algebra 1.5 OR Geometry 9	Geometry OR Algebra II-Advanced	Algebra II OR ATCC College Algebra & ATCC Principles of Trig.	
Physical Science 9	Biology	Chemistry/ATCC Chemistry OR Physics**	

ADDITIONAL REQUIRED COURSES

Arts – 1.0 cr	Music and/or Art – Anytime in grades 9-12*
Electives*	See Grad Requirements List for credit requirements

*See Course Description Book

**Can be completed in grades 11 or 12

Study Hall - Grades 11 & 12 only - no more than 1 per semester

Credits needed to graduate

Class of 2022 & Beyond 25.0 credits (Required courses – 15.5 credits; Electives – 9.5 credits)

D. Grade Point System

Letter grades are issued at the end of each quarter. These grades are translated into numerical values and averaged at the end of each semester in grades 9-12.

A = 4.00	B+ = 3.33	C+ = 2.33	D+ = 1.33	F = 0.00
A- = 3.667	B = 3.00	C = 2.00	D = 1.00	
	B- = 2.667	C- = 1.667	D- = 0.667	

Weighted Grades

Classes to be weighted will be those transcribed from Alexandria Technical & Community College, and AP courses which are taught by MAHS faculty. The total weight given to each course will be .333 to be added to the grade given by the teacher. The grade will be the same, but the GPA will have an extra .333 added.

E. Auditing a Class

It is possible for students to enroll in a course and not receive credit. This is called a class audit. When auditing a class, all assignments, tests and expectations must be met. Work is evaluated and graded. The difference is grades and credits are not given. Students wishing to audit a class must have prior approval from the counselor or principal and the classroom teacher. A student may not switch to audit status because they are doing unsatisfactory work in a class.

F. Credit Definition

Credit is issued for successful completion of a course that meets one full period per day for the semester in grades 9-12. Credit is given for independent study courses that are arranged with a teacher through the counselors' office.

G. Participation in Commencement

The commencement ceremony honors students who have earned a diploma through credits. It recognizes the accomplishments of graduates. Therefore, students who have not completed graduation requirements may not participate in commencement exercises. You must have the correct number of credits and must have met all Minnesota Graduation Requirements by the Friday before commencement to participate in commencement exercises.

H. Withdrawal from Class

When you register for classes, you are making important decisions. You should think carefully about which classes you will be taking and you should make sure that you have valid reasons for selecting these classes. After the school year has started, class schedule changes will be made only in exceptional cases. Students may withdraw from a class only during the first three (3) days of the quarter unless unusual circumstances occur. Students that withdraw from a PSEO class after the drop/add time will be charged the tuition cost for that class.

I. Open Enrollment

Students who are residents of the Minnewaska Area Schools may enroll in other Minnesota High Schools under the Open Enrollment Plan. Application for transfer to another school must be made by January 1 of the previous year.

J. Enrollment Options Plan

It is possible for juniors and seniors to attend college (four-year, two-year or technical) and receive credit from both the college and from Minnewaska Area High School. This is called the "Post-Secondary Enrollment Options" plan. Students may attend college full-time or part-time. Tuition and textbooks are paid. If you participate in PSEO, you will not receive a diploma until final grades have been received which is usually in late June.

K. Correspondence and Alternative Courses

Students, who have failed courses or who lack sufficient credits for graduation, may employ alternative methods of gaining credit. These methods include correspondence courses, alternative school, and summer school. Minnewaska Area High School does not conduct summer school. Application for correspondence and alternative credits must be made to the counselor. The student is responsible for paying for correspondence school. Minnewaska Alternative Option – Students that meet the entrance criteria for our Alternative Program may attend there to meet their graduation requirements. Students must contact the Alternative Program.

GLOSSARY of TERMS

Concurrent Enrollment – ATCC College Courses

Concurrent Enrollment classes are an opportunity for students to take a class for both high school credit as well as college credit through Alexandria Technical and Community College. These classes require the passing of the Accuplacer test in the appropriate subject **and a GPA of 3.3 for juniors and 3.0 for seniors**. Students will receive a weighted GPA for the grades they receive in these classes. Students who are receiving a low grade may choose to withdraw from the class two weeks before the end of the semester and remove the chance for college credit. However, students must complete 67% of the courses they enroll in with ATCC otherwise they will be put on warning status at the college.

Courses for college credit are listed in the shaded paragraph following the high school course description.

Online Class

Some concurrent enrollment classes that are offered at MAHS are taken online. These classes maintain the rigor of a concurrent enrollment class for college credit, but they are conducted entirely through a web browser. Students will not have any face time with a teacher, but instead will receive instruction through reading, web videos and other online material. These courses also require an Accuplacer test to determine eligibility to take the course. Additionally, they are reserved for students with higher GPA's due to the challenging nature of online courses.

Zero Hour Class

These classes meet 2 and 3 days per week 1 hour prior to the school day in a classroom setting AND include online time.

AP Class

AP classes are an opportunity for a student to prepare for an Advanced Placement examination that may result in the award of college credits. Coursework is more rigorous than regular classes and culminate in the administration of the exam. Participation in these classes is based on instructor approval but do not have a requisite GPA.

Articulated

Articulated courses will result in transfer credit to Alexandria Technical and Community College. College credit from these courses will only be accepted by ATCC if the student enrolls there in a post- secondary program.

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ENGLISH / LANGUAGE ARTS

English Course Matrix:

9 th Grade	Post-Secondary Goal	10 th Grade	11 th Grade	12 th Grade
English 9 »	Technical/Community College; Traditional 4 Year College/University	English 10	English 11	English 12
English 9 »	Technical/Community College; Traditional 4 Year College/University	English 10	AP Composition	AP Lit
English 9 »	“Selective” 4 year College/University	Advanced English 10	ATCC Comp I/II	ATCC Lit/ATCC Public Speaking

- Students will need one full year of English each year (9-12) – electives do not count for this.
 - Absorbing communications/speech requirements in all 12th-grade courses to efficiently adhere to standards.
- Adding an AP course and new English scope and sequence to ensure rigorous and relevant learning.
 - AP courses will be available to all students.
 - Seemingly every 2-4 year degree calls for a course in English or communication.
 - Ensures students will be college-ready (~80% of graduates attend some form of post-secondary education).
- ATCC Public Speaking could still be offered as an elective to those not on the ATCC track as an elective.
- “Selective” Colleges/Universities are defined as private schools, the University of Minnesota (not the satellite campuses – Duluth, Morris, etc.), and Ivy League schools.

ENGLISH/LANGUAGE ARTS Grad Requirements

- English 9
 - English 10 **OR** Advanced English 10
 - English 11 **OR** AP English Lit **OR** Composition ATCC – I & II
 - 12th grade
 - English 12
 - AP English
 - ATCC track: Introduction to Literature – ATCC (3 college cr) (1 semester course)
- And Public Speaking ATCC (3 college cr) (1 semester course)

4.0 Total Credits Required

- 1.0 cr, 1 year
- 1.0 cr, 1 year
- 1.0 cr, 1 year
- 1.0 cr, 1 year

Course Title: **English 9**
Prerequisite: None
Credit Value: 1, year-long course
Grade: 9

Course Description:

During the freshman year the research process will be stressed. Freshmen will write several types of paragraphs with an emphasis on sentence and paragraph structure. A research paper will also be written. Students will prepare and present a variety of speeches. The students will also read a play, short stories, a novel and various pieces of nonfiction throughout the semester. Grammar will continue to be practiced as well as exercises in vocabulary study. This course will run 1 year in length.

*** Required state standards covered in this course:** The curriculum covered in our 9th grade English is designed to prepare students for the MCA reading and writing grad test.

Course Title: **English 10**
Prerequisite: English 9; Post-secondary goal of Technical/Community College; Traditional 4 Year College/University or Certificate; On-The-Job Training

Credit Value: 1, year-long course

Grade: 10

Course Description:

This course will require student involvement in the reading of novels, plays, poems, an epic, and short stories. In addition, composition units will emphasize a variety of writing experiences ranging from short, expository papers to those of a longer, analytical nature. Basic grammar exercises will continue to be practiced as well as exercises in vocabulary study. This course will run 1 year in length.

*** Required state standards covered in this course:** The curriculum covered in our 10th grade English is designed to prepare students for the MCA reading grad test, and it will expand upon the writing guidelines required by the state.

Course Title: Advanced English 10

Prerequisite: English 9, Qualifying Accuplacer Test Score and Completed Application; Post-secondary goal of “Selective” 4 year College/University

Credit Value: 1, year-long course

Grade: 10

Course Description:

Students in 10th grade Advanced English will continue their preparation for college level skills in the areas of reading and writing. This course will prepare students for Composition I and II their junior year. This course will broaden the perspectives of students as we deal with literature from a variety of sources in order to assist them in becoming culturally, technologically, and academically literate citizens within their communities. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically on the content they are learning. There will be a strong emphasis on literacy analysis and building strong composition skills. This course will run 1 year in length.

***Required state standards covered in this course:** The curriculum covered in our 10th grade English is designed to prepare students for the MCA reading grad test, and it will expand upon the writing guidelines required by the state.

Course Title: English 11

Prerequisite: English 10; Post-secondary goal of Technical/Community College; Traditional 4 Year College/University

Credit Value: 1, year-long course

Grade: 11

Course Description:

English 11 is a year-long class in which students read a variety of literature including novels, plays, short stories, essays, and poetry. Numerous writing assignments will be covered throughout the year such as essays, literary analyses, reflective responses, and an in-depth research paper. ACT prep vocabulary and grammar units will continue to be practiced at this level as well.

***Required state standards covered in this course:** The curriculum covered in English 11 reviews and expands skills required by state guidelines in reading and writing.

Course Title: AP English Literature and Composition 11

Prerequisite: 3.0 or better in English in grades 9 & 10 or English department approval. Post-secondary goal of Technical/Community College; Traditional 4 Year College/University

Credit Value: 1, year-long course

Grade: 11

Course Description:

As stated by the college board, “The AP English Literature and Composition course focuses on reading, analyzing, and writing about imaginative literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work’s structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays the require students to analyze and interpret literary works. The AP English Literature and Composition course aligns to an introductory college-level literature and writing curriculum. There are no prerequisite courses for AP English Literature and Composition. Students should be able to read and comprehend college-level texts and write grammatically correct, complete sentences.”

***Required state standards covered in this course:** The curriculum covered in Advanced English 11 reviews and expands skills required by state guidelines in reading and writing.

Course Title: Composition - ATCC

College Course Title: Composition I & II

College Course #: ENGL 1410 (Sem 1) & ENGL 1420 (Sem 2)

Prerequisite: Qualifying Accuplacer Score and Advanced English 10
Course Length: Semester
Setting: CLASSROOM
College Credit: 3
H.S. Credit: 1, year-long course
Available to Grades: 11
Course Description:

This course deals with the fundamentals of expository writing based on reading or personal experience. It stresses organization, the process of writing, English grammar, mechanics, and style. Emphasis is on the strategies of exposition as well as effective description and narration. This course offers students an introduction to the academic research process, as well. Students learn the process method of writing that can be utilized in business, academic, and creative writing. The 2nd semester is a continuation of Composition I (ENGL1410), with stress on analytical writing, research, and documentation of supporting evidence. Learners write critical analysis, cause/effect, and persuasive essays.

Prerequisite: College level writing score on a placement test or a minimum grade of 'C' in ENGL0350 (College Prep Writing)
Post-secondary goal of "Selective" 4 year College/University.

Course Title: AP English Language and Composition

Prerequisite: Adv. English 11
Credit Value: 1, year-long course
Grade: 12

Course Description:

This course is designed to thoroughly challenge students as they become "skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes." (The College Board, *AP English Course Description*, May 2010, Page 4) Students will attain skills through the close analysis of various media and essays. Their critical thinking will be demonstrated by writing various essays, responding to short answer questions, and through class discussion. This course will culminate with the AP English Language and Composition Exam. When a student passes this exam they will receive college credit for an introductory English course. Throughout the course we will be examining test and essay questions that reflect the rigor of this exam.

Course Title: Intro to Literature - ATCC

College Course Name: Modern American Literature
College Course #: ENGL 1475
Prerequisite: ENGL 1410
College Credit: 3
H.S. Credit: .5, semester-long course
Grade: 12

Course Description:

This course deals with the fundamentals of reading and responding to literature. It stresses application of literary terms through analysis and reaction. Emphasis is on discussing, questioning, and asserting viewpoints. To be taken as a senior if post-secondary goal is "Selective" 4 year College/University. – See course matrix.

Course Title: English 12

Prerequisite: English 11
Credit Value: 1, year-long course
Grade: 12

Course Description:

Students will write purposefully, with a focus on analyzing nonfiction/fiction texts and improving argumentative techniques. This course is designed to help students achieve the writing skills necessary for community and technical college. Writing units will include persuasive writing, analytical writing, editorials, and research. This course will also include personal analysis, self-evaluation, and confidence-building techniques. In addition to writing, students will participate in an extended public speaking unit. In this unit, students will not only deliver a variety of speeches but will develop and demonstrate competencies in active listening. The curriculum covered in this class meets the speaking and listening state standards.

Course Title: Public Speaking - ATCC

College Course: COMM 1415
Setting: CLASSROOM

Prerequisite: English 10 and Qualifying Accuplacer Score
Course Length: Semester
ATCC Credit: 3
Grade Weight: .333 (high school elective if not on ATCC trek)
Available to Grades: 11, 12

Course Description:

This course will begin with personal analysis, self-evaluation, and confidence building techniques. The following unit will be the science of public speaking. Students will develop competencies in critical listening and the delivering of various types of speeches. Classroom activities will include the presentation of impromptus and different speeches. This class runs 1 semester in length. To be taken as a senior if post-secondary goal is “Selective” 4 year College/University. – See course matrix. Can be taken as an elective by those not on this track.

Course Title: Film Studies

Prerequisite: English 10
Credit Value: .5 (elective)
Grade: 10, 11, 12

Course Description:

Students will view, analyze, discuss and write about films. Students will be expected to critically view, discuss and write about the films as a literary work with respect to plot, setting, character, theme, symbolism, as well as critically view, discuss and about the films’ technical aspects such as editing, color, music, sound effects and acting. Students will respond in a number of informal personal responses, film reviews and formal analytical essays. From time to time, within the context of this course, a film may have a PG-13 or R rating and so, parent permission is needed to be in this course.

- This class will be offered as an elective; it will not take place of any other required classes.

Course Title: Introduction to Film Studies – ATCC

College Course: ENGL 1485
Prerequisite: Qualifying Accuplacer Score
Course Length: Semester
ATCC Credit: 3 (high school elective)
Grade Weight: .333
Grade: 11, 12

Course Description:

This course meets Minnesota Transfer Curriculum (MnTC) goal area 6. This course has students viewing, analyzing, discussing and writing about film on three levels: the narrative (how plot, character, theme and more specific artistic techniques and devices like irony, symbolism, or allegory, for example, work together to constitute the narrative); the technical (how the director’s choices in visual design, cinematography, editing, color, music, sound effects, and acting combine to create a specific viewing experience), and interpretive (identifying specific elements such as formula conventions and adaptive interpretations).

Course Title: Sports English

Prerequisite: English 9
Credit Value: .5 (elective)
Grade: 10, 11, 12

Course Description:

There’s no denying that sports have a profound impact on society. In this English focused “Sports” course, students will dive into and discuss sports-focused novels, analyze sports journalism while writing their own articles, and better understanding the ways in which sports exist beyond the playing arena using English/Language Arts as the medium.

- This class will be offered as an elective; it will not take place of any other required classes.

Course Title: Creative Writing

Prerequisite: English 9
Credit Value: .5 (elective)
Grade: 10, 11, 12

Course Description:

Creative Writing is a semester-long course designed for students to create original forms of descriptive writing, poetry, drama and fiction. Vocabulary development, creative writing techniques, and skills are explored and enhanced. Writings will be presented orally and in written form. Students will also be exposed to careers in the writing field in this course.

- This class will be offered as an elective; it will not take place of any other required classes.

Course Title: WIN 7, 8, 9 (courses separated by grade level)

Credit Value: Pass/Fail

Grade: 7, 8, 9 (each grade level will have its own course)

Course Description:

WIN English is an additional reading class that will be used to supplement material and reinforce concepts taught in English grades 7-9. This means that the students in this course will have two English/reading classes per day, unless they are also in WIN Math, where they will rotate with WIN Math/Reading every other day. WIN was created to give students the opportunity to work with an English instructor, during a designated class period, with the goal of growing reading and language skills and improving achievement in future state and national-level assessments. Using numerous growth measures to determine this, including last year’s MCA test, NWEA growth tests, as well as their overall grade/progress in English class, the English Department will identify students as a good candidate for this opportunity.

MATH

MATH Grad Requirements

3.0 Total Credits Required

- | | |
|--|---|
| <ul style="list-style-type: none"> • 9th Grade <ul style="list-style-type: none"> ○ Geometry ○ Algebra 1.5 • 10th Grade <ul style="list-style-type: none"> ○ Geometry ○ Algebra II • 11th-12th Grade (choose 1) <ul style="list-style-type: none"> ○ Algebra II - Grad requirement (must take if not taken in gr 10) ○ Foundations of Math ○ College Algebra ATCC (3 college cr) AND Trig and Special Functions ATCC (3 college cr) ○ Calculus I ATCC – 12th grade only (4 college cr/class) ○ Intro to Sports Analytics and Recreational Statistics ○ Intro to Statistics ATCC (3 college cr) | <p>1.0 cr, 1 year</p> <p>1.0 cr, 1 year</p> <p>1.0 cr, 1 year</p> |
|--|---|

Course Title: Algebra 1.5

Prerequisite: Algebra 8

Credit Value: 1, year-long course

Grade: 9

Course Description:

This course will be a review and continuation of Algebra 8A. Topics will include simplifying algebraic expressions, solving and graphing linear, quadratic and exponential equations, laws of exponents, systems of equations, and polynomial and radical expressions.

***Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Algebra including, but no limited to: number sense; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Geometry

Prerequisite: Algebra 8A or Algebra 1.5

Credit Value: 1, year-long course

Grade: 9, 10

Course Description:

This course will help develop an understanding of geometric relationships in plane geometry. It will develop the ability to think creatively and critically in mathematical and non-mathematical situations. This course will also emphasize inductive and deductive reasoning skills by doing proofs. Geometry will integrate well with algebra and trigonometry for students who want a solid mathematical background. This class will run 1 year in length.

*** Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Geometry including, but not limited to: number sense; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Algebra II

Prerequisite: Geometry
Credit Value: 1, year-long course
Grade: 10, 11, 12

Course Description:

This course will continue the study of algebra from Algebra I. Some topics that will be studied are applying algebraic skills and concepts, using deductive reasoning, applications of functions, and problem solving. This class will run 1 year in length.

*** Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Algebra II including, but not limited to: number sense; patterns and functions; data, statistics, and probability; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Foundations of Math I & II

Prerequisite: Geometry and Algebra II
Credit Value: .5 or 1.0
Grade: 11, 12

Course Description:

This is a two semester course covering several different areas of mathematics. The course topics will include: number sense; algebra; geometry; data analysis; probability; and statistics. The class structure will be a mixture of lecture, class discussion, individualized learning, “hands-on” activities, and test preparation for the Accuplacer test, ACT, MCA’s, etc. The goal of this course is to strengthen student math skills.

Course Title: College Algebra - ATCC

College Course #: MATH 1420
Setting: Classroom
Prerequisite: Accuplacer score of 50 or above OR MCA score of 1158 OR ACT Math score of 22
Course Length: Semester
H.S. Credit: .5
College Credit: 3
Grade Weight: .333
Available to Grades: 11, 12

Course Description:

College Algebra will continue with the concepts introduced in Algebra II but at a higher rigor. Topics include algebraic expressions, linear equations, algebraic word problems, exponents, systems of linear equations, functions, graphs and quadratic equations. The focus of this course is to develop math skills to the extent that the learner can apply these skills to solving practical real world problems. This class can be taken for 3 semester credits from ATCC.

***Required state standards covered in this course:** This class will cover all of the Minnesota state standards in College Algebra including, but not limited to: number sense; patterns and functions; data, statistics, and probability; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Principles of Trig and Special Functions - ATCC

College Course #: MATH 1432
Setting: Classroom
Prerequisites: College Algebra
Course Length: Semester
H.S. Credit: .5
College Credit: 3
Weighted Grade: .333

Available to Grades: 11, 12

Course Description:

Principles of Trigonometry and Special Functions will deal with circle and right triangle definitions of trig functions. The study of trig identities and proofs will be covered in this class. Also, application of trigonometric functions to non right triangles, an investigation into conic sections, the use of trigonometric functions to model and solve real-life problems. Will also cover vector sin the plane and dot products.

***Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Trig and Special Functions including, but not limited to: number sense; patterns and functions; data, statistics, and probability; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Pre-Calculus - ATCC

College Course #: MATH 1425

Setting: Classroom

Prerequisites: Principles of Trig and Special Functions/Advanced Trigonometry

Course Length: Semester

H.S. Credit: .5

College Credit: 4

Grade Weight: .333

Available to Grade: 12

Course Description:

Topics include algebraic manipulation, graphing, and applications related to polynomial, rational , exponential, logarithmic and trigonometric functions.

***Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Intro to Calculus including, but not limited to: number sense; patterns and functions; data, statistics, and probability; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Calculus I - ATCC

College Course #: MATH 1426

Setting: Classroom

Prerequisites: Pre-Calculus

Course Length: Semester

H.S. Credit: .5

College Credit: 4

Weighted Grade: .333

Grade: 12

Course Description:

This course introduces students to the basic concepts of differential and integral calculus: beginning with the definition of limits, limits and continuity, progressing to differentiation and integration of functions, sketching of functions, application of definite integrals, concluding with the Fundamental Theorem of Calculus.

This class can be taken for 4 credits from ATCC.

***Required state standards covered in this course:** This class will cover all of the Minnesota state standards in Calculus I including, but not limited to: number sense; patterns and functions; data, statistics, and probability; spatial sense, geometry, and measurement; math reasoning; basic computation and operations; and algebraic thinking.

Course Title: Sports Math

Prerequisite: Algebra II

Credit Value: .5

Grade: 11, 12

Course Description:

The purpose of this course is to introduce you to the subject of statistics and its many applications in sports (along with other interests of students such as hunting, fishing, gaming, etc). We will look at how analytics have changed pro sports such as the NBA, NFL, and

MLB. We will deep dive into topics of interests the students may have and see how statistics plays a role in it. This class will likely have a research project where students will go in depth on a subject of their choosing and present their findings to the class.

Course Title: Intro to Statistics – ATCC
Prerequisite: College Algebra **OR** Pre-Calculus **OR** MCA score of 1148
Credit Value: .5
Grade: 11,12
Course Description:
This course is primarily for business, science, liberal arts, psychology, and education majors. Topics studied include descriptive measures for empirical data, theory of probability, probability distributions, sampling distributions of statistics from large and small samples, estimation theory, hypothesis testing, correlation, and regression.

SCIENCE

SCIENCE Grad Requirements

- Physical Science 9
- Biology 10
- Science grades 11-12 (choose 1 credit)
 - Chemistry **OR** Chemistry ATCC (4 college cr)
 - Physics

3.0 Total Credits Required

1.0 cr, 1 year
1.0 cr, 1 year
1.0 cr, 1 year

Course Title: Physical Science 9

Prerequisites: None
Credit Value: 1, year-long course
Grade: 9

Course Description:

Physical science is the study of energy and matter. The first semester will focus on topics in physics such as motion, forces, forms of energy, and the scientific method. The second semester will be an introduction to chemistry where the students will learn about forms of matter, chemical reactions and molecular theory. There are numerous labs and activities which will help to reinforce the students' understanding of the subject matter.

*** Required state standards covered in this course:** This class meets all requirements for the state standards in physical science (Structure of Matter, Chemical Reactions, Energy Transformations, Motion, and Forces of Nature).

Course Title: Biology **

Prerequisite: None
Credit Value: 1, year-long course
Grade: 10

Course Description:

Biology pertains to the study of life. Students will learn about concepts, theories, and principles in biology through investigation, problem solving, research, dissection, and other laboratory and outdoor activities. The key areas of study will include the scientific method, cells, genetics, evolution, ecology, and the six living kingdoms of organisms, with special emphasis on plants, animals, and human biology. This class is required and will run one year in length and is recommended for students that are pursuing any form of post-secondary education.

*** Required state standards covered in this course:** This class will cover the state standard in the History and Nature of Science, Life Science, and some of Earth Science.

Course Title: Introduction to Biology I - ATCC
College Course #: BIOL 1410
Setting: **Zero Hour Course- 1st Semester
Prerequisite: Biology & ATCC requirements
Course Length: Semester
H.S. Credit: .5
College Credit: 4

Weighted Grade: .333
Available to Grades: 11, 12
Course Description:

This course provides the learner with many principals and theories of biology. It includes an understanding and evaluation of the scientific method, chemistry, cellular biology, photosynthesis, cellular respiration, genetics, evolution and genetic engineering. The course will also investigate the concepts of nutrition, the genetic relationship to cancer, genetically modified organisms, and the issue of global warming. Lab experience is included.

***Required state standards covered in this course:** This course will cover all areas of the Minnesota grades 9-12 Life Science Standard.

Course Title: Introduction to Biology II - ATCC

College Course #: BIOL 1411
Setting: ****Zero Hour Course- 2nd Semester**
Prerequisite: Biology & ATCC requirements
Course Length: Semester
H.S. Credit: .5
College Credit: 4
Weighted Grade: .333
Available to Grades: 11, 12
Course Description:

This course provides the learner with many principles and theories of biology. It includes an investigation of the biodiversity, classification, species, and populations of life. Addressed in this course are the fundamentals in human health and disease, ecology, conservation, biodiversity, and growth rate changes of humans and plants. Lab experience is included. Knowledge of basic genetics is suggested.

***Required state standards covered in this course:** This course will cover all areas of the Minnesota grades 9-12 Life Science Standard.

Course Title: Nurses Assistant & Home Health Aide (CNA)

College Course: PNSG 1640 Nursing Assistant/Home Health Aide
Setting: Minnewaska Area HS CNA Lab and Clinicals at Local Nursing Homes
Prerequisite: Accuplacer Reading score of 55 or higher;
Must be age 16 by the time of Certification Test (January & June)
Course Length: Semester
H.S. Credit: .5
College Credit: 3
Weighted Grade: .333
Grade Level: 11, 12 (limited to 16 students per semester)
Course Description:

This semester long course presents curriculum to develop skills, attitudes, and knowledge essential in giving direct and supportive care as a Nursing Assistant in long term care facility or as a Home Health Aide. The course meets OBRA requirements for training nurse assistants and home health aides and meets the Minnesota Board of Nursing standards. Skills are practiced and demonstrated in a supervised laboratory setting at MAHS and within a clinical environment, at local Nursing homes, as well. The class time schedule will change during clinical trainings. Students will receive a calendar the day of class that will reflect this schedule. ***Students will be required to have 100% attendance during the clinical trainings.*** Students will also be required to wear scrubs during clinical experiences. This course will be transcribed as PNSG 1640 Nursing Assistant/Home Health Aide (3 credits) at ATCC.

***Required state standards covered in this course:** This course will cover the Minnesota grades 9-12 Life Science Standard as it relates to the Personal and Community Health area.

Course Title: Chemistry **

Prerequisite: Algebra I
Credit Value: 1, year-long course
Grade: 11, 12
Course Description:

It is required that students take a year of chemistry or physics. Topics include: scientific measurements, matter and energy, basic atomic structure, chemical equations, and chemical quantities. Additional studies include chemical bonding, equilibrium, states of

matter, solutions, acid/base chemistry and oxidation/reduction chemistry. The laboratory component of the course includes collection, evaluation and interpretation of data. The course is one year long.

***Required state standards covered in this course:** This class will cover the state standards in the History and Nature of Science for grades 9-12.

Course Title: Fundamentals of Chemistry - ATCC

CHEM 1405

Setting: Classroom

Prerequisite: Algebra I

Course Length: Year

H.S. Credit: 1

College Credit: 4

Weighted Grade: .333

Available to Grades: 11, 12

Course Description:

This course provides the learner with an understanding of the principles and theories of chemistry. It includes concepts of inorganic chemistry, basic rules of valence, atomic and molecular structure, laws of chemical combination, types of reactions, and gas laws. It also introduces the learner to the basics of modern organic chemistry. Lab experience is included.

Course Title: Physics **

Prerequisite: Algebra II

Credit Value: 1, year-long course

Grade: 11, 12

Course Description:

The laws of physics and its concepts underlie many areas of science. The purpose of this course is to acquaint students considering a four-year baccalaureate degree with these laws and concepts. The course will include problem solving, laboratory experiences, data collection and its mathematical analysis, evaluation, and interpretation. Topics include vectors, forces, motion, work and energy, fluids, heat, waves, electricity and magnetism. The course is one year long.

***Required state standards covered in this course:** This class will cover the state standards in the History and Nature of Science for grades 9-12.

Course Title: Anatomy/Physiology **

Prerequisite: Biology

Credit Value: 1, year-long course

Grade: 11, 12

Course Description:

This course will cover the areas of anatomy, physiology, and pathology of the human body, within the topical areas of the skeletal, muscular, integumentary, digestive systems. The later part of the course will cover the respiratory, circulatory, excretory and nervous systems of the body. The students will participate in numerous labs, dissections, oral presentations, and research activities. This course is recommended for those students pursuing post-secondary options in the medical and health fields. The class will run for one year in length.

*** Required state standards covered in this course:** This course will cover the Minnesota Life Science Standard as it relates to the Cell structures and functions, Cycles of nature, Genetics, and Personal and Community Health areas.

Course Title: Anatomy/Physiology I - ATCC

College Course #: BIOL 1417

Setting: Classroom

Prerequisite: Biology & ATCC requirements

Course Length: Semester

H.S. Credit: .5

College Credit: 4

Weighted Grade: .333

Available to Grades: 11, 12

Course Description:

This course provides the learner with an understanding, knowledge, and application skills needed in the area of anatomy and physiology. Students recognize and apply anatomical and medical terminology descriptions of cellular and tissue anatomy and

physiology. Foundational skills are then directed toward gaining an understanding of the cells, tissues and organs constituting the integumentary, skeletal, muscular, and nervous, systems. The normal structure and function of these organ systems are emphasized. Where appropriate, dissections, symptoms, laboratory signs and diagnosis of system pathology are used to illuminate normal processes.

***Required state standards covered in this course:** This course will cover the Minnesota Life Science Standard as it relates to the cell

Course Title: Anatomy/Physiology II - ATCC

College Course #: BIOL 1419

Setting: Classroom

Prerequisite: Biology & ATCC requirements

Course Length: Semester

H.S. Credit: .5

College Credit: 4

Weighted Grade: .333

Available to Grades: 11, 12

Course Description:

This course provides the learner with understanding, knowledge, and application skills needed in the area of anatomy and physiology. Learners apply anatomical and medical terminology and an understanding of cellular and tissue anatomy and physiology toward gaining an understanding of the organs constituting respiratory, digestive, urinary, reproductive, endocrine, and lymphatic systems. The normal structure and function of these organ systems are emphasized. Lab experience is included. Dissections, symptoms, laboratory signs, and diagnosis of system pathology are used to illuminate normal processes where appropriate. Prerequisite: BIOL1417.

***Required state standards covered in this course:** This course will cover the Minnesota Life Science Standard as it relates to the Cell structures and functions, Cycles of nature, Genetics, and Personal and Community Health areas.

Course Title: Environmental Science

Prerequisite: Physical Science or Biology

Credit Value: .5, semester-long course

Grade: 11, 12

Course Description:

Environmental Science is a course involving topics of earth and life sciences and how they pertain to the environment. Students will be learning about the environment through various hands on activities and projects throughout the year. Topics which may be covered include: organism identification, water quality testing, fish management, and forensics.

***Required state standards covered in this course:** This class will cover the state standards in the history and nature of science, life sciences, and earth science as they relate to environmental studies.

Course Title: STEM

Prerequisite: Instructor approval

Credit Value: .5

Grade: 9,10,11,12

Course Description:

This course offers the student a chance to explore Science, Technology, Engineering and Mathematics through hands on experimentation and exploration. Students will perform numerous labs and be faced with engineering challenges given basic materials. There is also the opportunity for students to design their own learning through computer programming or independent study of approved topics.

***Required State Standards covered in this course:** will follow some the standards with the National Science, Mathematics, Technology & Career Cluster standards. Such standards will include: systems, orders, measurements, motion, forces, conservation of energy, interactions of motion, history & nature of science, engineering design, role of trouble shooting, problem solving, safety & health, leadership & team work, career development, communications, algebra, geometry, statistics and measurement, data analysis, and marketing & economics as well as some fabrication of a product.

Course Title: STEM Computer Science

Prerequisite: None

Credit Value: .5, semester-long course

Grade: 10, 11, 12

Course Description:

CS Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. This course will explore many of the foundational ideas of computing so students understand how these concepts are transforming the world we live in.

SOCIAL

SOCIAL STUDIES Grad Requirements

3.5 Total Credits Required

- | | |
|--|---|
| <ul style="list-style-type: none">● US History 9● World History 10 OR AP World History● Sociology● Economics● American Government OR● AP American Government and Politics | <p>1.0 cr, 1 year</p> <p>1.0 cr, 1 year</p> <p>0.5 cr, 1 semester</p> <p>0.5 cr, 1 semester</p> <p>0.5 cr, 1 semester</p> <p>1.0 cr, 1 year</p> |
|--|---|

Course Title: U.S. History 9
Prerequisite: None
Credit Value: 1, year-long course
Grade: 9

Course Description:

This course covers American History from World War I through the Vietnam Conflict and Reagan Administration. Emphasis will be placed on social, economic, and political events and their impact on the growth and changes of the United States. Students will study the following: World War I, the Roaring Twenties, the Great Depression, World War II, the growth of the Cold War throughout the world and here in the U.S., the Civil Rights Movement, the Vietnam War era, and related issues. This class will run 1 year in length.

***Required state standards covered in this course:** The students will expand their vocabulary and comprehension. They will be reading non-fiction material in their textbooks and handouts. They will be using constructed responses on tests and in class discussions. We will be looking at data, statistics and problems when discussing the wars and societal movements that affected our country.

Course Title: World History 10
Prerequisite: U.S. History 9
Credit Value: 1, year-long course
Grade: 10

Course Description:

Using a historical perspective, this course covers the social, political, economic and cultural development of civilizations from ancient times to modern times. As students link the present to the past, they will develop a greater understanding of modern civilization and the current global interdependence that drives relations between nations. This two-semester class is one year in length.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN Dept. of Education. It also includes data and statistics from the Math Standards, as well as vocabulary expansion, comprehension, literature, and constructed responses from the Reading Standards.

Course Title: AP World History
Prerequisite: U.S. History 9
Credit Value: 1, year-long course
Grade: 10

Course Description:

Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance,

economic systems, social interactions and organization, and technology and innovation. At the end of the course, students will have the option to take the AP course exam to earn college credits. This class would be taken in lieu of 10th grade World History, not in addition to.

Course Title: Economics

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

This course explores economic fundamentals, the price system, competition between companies, supply and demand, economics of the firm, economics of the nation, unemployment, inflation, fiscal policy, and monetary policy.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN Dept. of Education. It also includes data, statistics, problems, and math reasoning from the Math Standards, as well as vocabulary expansion, comprehension, and constructed responses from the Reading Standards.

Course Title: Sociology

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

This course explores the impact that group behavior can have on society, as well as on the individual. We will be studying the importance of culture and the many influences that make an impression. We will be studying what determines social rules, and what determines deviance. Also, we will be looking at the impact of institutions such as government, economics, education, sports, religion, family, and population on different cultures.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN Dept. of Education. It also includes data and statistics from the Math Standards, as well as vocabulary expansion, comprehension, non-fiction passages, and constructed responses from the Reading Standards.

Course Title: General Psychology I **

Credit Value: .5
Grade: 11, 12

Course Description:

Psychology is an interesting and dynamic course, taught through lecture, discussion, and demonstration. A course in General Psychology is designed to spur further interest and inquiry into the topic. This course will explore the History and Research methods employed in psychology along with Learning Theory, Intelligence, Motivation, Development, Stress Reactions, Personality, Personality Disorders, Methods of Treatment, and Social Psychology.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN dept. of Education. It also includes vocabulary expansion, comprehension, non-fiction passages, and constructed responses from the Reading Standard, as well as data, statistics, and problems from the Math Standard.

Course Title: AP Psychology

Credit Value: 1, year-long course
Grade: 11, 12

Course Description:

The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatments of psychological disorders, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, evaluate claims and evidence, and effectively communicate ideas.

In order to qualify for College Credit, students will need to score a 3, 4, or 5 on the College Board Examination. The main focus of this course will be to prepare students to work at a college level. The rigor will simulate that of an Introduction to Psychology Course at a 4-year university or college.

Course Title: The World Wars

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Course Description:

The first part of the course will take a look at World War I. The class will look into the causes, its battles, results, and long term consequences which ultimately led to World War II. Students will then explore the Second World War, looking at its causes and the rise of Fascism and Nazism, as well as the ascension of the military empire of Japan. This class will run 1 semester in length.

*** Required state standards covered in this course:** This class meets the following standards prescribed by the state of MN: Data and statistics in math; vocabulary expansion, comprehension, literature and non-fiction passages in reading.

Course Title: American Government

Credit Value: .5
Grade: 11, 12

Course Description:

The class will be exploring the roots of Democracy, the United States Constitution, the Bill of Rights and the rise of political parties. The students will compare and contrast our system to that of our European counterparts. The class will research different interest groups that influence our legislation at the state and federal level. We will analyze the presidential, legislative and judicial branches of our federal government and how it affects students in their daily lives. Students registering for this course must be motivated and active learners. This class is taught in conjunction with ATCC; upon successful completion of this course. This class will run 1 semester in length.

***Required State standards covered in this course:** This class meets all of the state standards established by the MN Dept. of Education. It also includes vocabulary expansion, comprehension, non-fiction passages, and constructed responses from the Reading Standard, as well as, data, statistics and problems from the Math Standard.

Course Title: AP American Government and Politics

Credit Value: 1, year-long course
Grade: 11, 12

Course Description:

AP American Government and Politics provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behaviors. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project. **In order to qualify for College Credit, students will need to score a 3, 4, or 5 on the College Board Examination. The main focus of this course will be to prepare students to work at a college level. The rigor will simulate that of an Introduction to Government Course at a 4-year university or college.**

Course Title: U.S. Civil War

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

The American Civil War was a seminal event in U.S. History, pitting states' rights advocate against the desire to maintain the Union. In this course students will be guided from the causes of this great conflict to the Reconstruction of the Union. Topics Discussed will include: Sectional Economic Differences, the Election of Lincoln, Secession of the Southern States, Major Battles from Bull Run to Charleston, Military Leadership, the Assassination of Lincoln, and Reconstruction. This course will offer students the opportunity to examine why we go to war and the costs of those actions to nations.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN dept. of Education. It also includes vocabulary expansion, comprehension, non-fiction passages, and constructed responses from the Writing and Reading Standard, as well as data, statistics, and problems from the Math Standard.

Course Title: American History 1945-Present

Prerequisite: None
Credit Value: .5
Grade Level: 10, 11, 12

Course Description:

This course is designed to take the student from the end of World War II up to the current. Students will watch as a Post-War World takes shape and live through the steady development of the Cold War separation of West from East. Students will watch as the torch of leadership is passed, and experience the anguish of two forays into war in Southeast Asia. Emerging from Vietnam, students will examine the political changes related to Watergate, and track American progress as the U.S. watches the collapse of communism. Finally, students will experience a new threat to American freedoms in the form of global terrorism. Units will include: 1) Cold War and Containment, 2) McCarthyism; HUAC and the Red Scare, 3) The New Frontier; Death in Dallas, 4) The Dream of the Great Society, 5) The Vietnam Nightmare, 6) The Culture of Protest, 7) The Use and Abuse of Power; The Watergate Scandal, 8) Challenges of Change, 9) Right Turn; Conservative Ascendant, and 10) The New Cold War; Global Terrorism.

***Required state standards covered in this course:** This course meets all of the state standards established by the MN Dept. of Education. It also includes data and statistics from the Math Standards, as well as vocabulary expansion, comprehension, non-fiction and fiction passages, and constructed responses from the Reading and Writing Standards.

Course Title: Current Social Issues and Events

Prerequisite: None

Credit Value: .5

Grade Level 11, 12

Course Description:

Using a sociological perspective, this course will examine local, national, and world events and issues. Items covered in this course may relate to governmental processes, environmental concerns, economic systems, sociological issues, international conflicts, and the institutions of sports, religion, family and cultural differences.

***Required state standards covered in this course:** This class meets all of the state standards established by the MN Dept. of Education. It also includes data and statistics from the Math Standards, as well as vocabulary expansion, comprehension, non-fiction passages, and constructed responses from the Reading Standards.

ART – VISUAL ART

ARTS Grad Requirements

- Requires 2 semesters of any Music and/or Art courses.

1.0 Total Credit Required

1.0 cr, 2 sem

Course Title: Basic Art

Prerequisites: None

Credit Value: .5

Grade: 9, 10

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of 2 dimensional and 3 dimensional artworks. Activities will include drawing, painting, printmaking and sculpting with a variety of media. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Ceramics I & II

Prerequisite: Basic Art recommended

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of artworks using clay. Activities will include hand-built and wheel-thrown pottery and sculpture. Students will finish the clay creations with a variety of glaze and finishing techniques. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Drawing

Prerequisite: Basic Art recommended

Credit Value: .5
Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of drawings. Students will study the properties of color and composition and create drawings using a variety of media, including pencil, color pencil, ink, charcoal and others. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Painting

Prerequisites: Basic Art recommended

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of paintings. Students will study the properties of color and composition and create paintings using a variety of media, watercolor paint, acrylic paint and others. Students will be challenged to express their original ideas through their work. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Sculpture

Prerequisite: Basic Art recommended

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of 3 dimensional sculptures including free standing, relief, and mobile. Media will include clay, plaster, wire, and a variety of other materials. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Photography

Prerequisite: Basic Art recommended

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principles of design and apply these fundamentals to the creation of artwork using the camera. Students will learn the basics of digital photography including composition and photo editing using Photoshop. Students will be challenged to express their original ideas through their work. Students will study periods of art history and artists that inspire the assigned projects.

Course Title: Crafts

Prerequisite: Basic Art recommended

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will explore the elements of art and principals of design and apply these fundamentals to the creation of crafts. Crafts include objects that began historically as functional items but have become treasured as art objects since. Examples include stained glass, fused glass, basket weaving, fiber arts, mosaic, batik, wood carving and others. Students will be challenged to express their original ideas through their work. Students will study periods of art history and artists that inspire the assigned projects, including study of the crafts of American Indian cultures.

Course Title: Advanced Placement Studio Art

Prerequisite: Basic Art minimum recommended

Credit Value: 1 (year-long course)

Grade: 11, 12

Course Description:

Students will use their knowledge of the elements of art and principals of design to create about 30 finished artworks. Students will be challenged to express their original ideas and develop a personal style. Students will work independently much of the time to explore their own interest and expand their abilities.

The Student's portfolios will be submitted to a national panel for evaluation and possible college credit. A grade of 3, 4, or 5 on a scale of 1-5, will make the student eligible for college credit.

MUSIC – PERFORMANCE ART

ARTS Grad Requirements

- Requires 2 semesters of any Music **and/or** Art courses.

1.0 Total Credit Required

1.0 cr, 2 sem

Course Title: Varsity Choir

Prerequisite: None

Credit Value: 1 for year if in Choir every day, and .5 if in Choir every other day

Grade: 9, 10

Course Description:

The purpose of this choir is to further enhance the students' performance capabilities and his/her understanding of the voice. They will perform at scheduled concerts and area festivals and also be eligible to compete in the subsection solo and ensemble contest. They will be eligible to audition for Jazz Choirs. This class will run 1 year in length.

Course Title: Concert Choir

Prerequisite: Varsity Choir/Audition

Credit Value: 1 for year

Grade: 10, 11, 12

Course Description:

Membership in this choir will be determined by an audition procedure for students. The Concert Choir will perform at scheduled concerts, clinics, contests, festivals, special school functions and occasionally regional and national tours as they become available. Students perform at solo and ensemble contest. Students are eligible to audition for Jazz Choirs. This class will run 1 year in length.

Course Title: Concert Band

Prerequisite: Varsity Band/Audition

Credit Value: 1 for year

Grade: 10, 11, 12

Course Description:

Concert Band is comprised of 10th – 12th grade students with previous experience in Varsity Band. Admittance into Concert Band is based on prior experience and an audition, and placement is the discretion of the director. In Concert Band, students will expand on the basic techniques and musicianship through group and independent performances. Continued emphasis is given to the development of musicianship and basic skills through a large repertoire of appropriate level band literature. Students in Concert Band will perform at scheduled concerts, pep band events, clinics, area contests and festivals (including large group contest and solo and ensemble contest), special school functions, and occasionally regional and national tours as they become available. These performances are an essential and required part of the curriculum for this course. Other opportunities may include regional honor bands or jazz band. This class will run one year in length.

Course Title: Varsity Band

Prerequisite: 5th -8th Grade Band

Credit Value: 1 for year if in Band every day, and .5 if in Band every other day

Grade: 9, 10, 11

Course Description:

Varsity Band is comprised of mainly ninth and tenth grade students with previous experience on a traditional band instrument. Members of the band program who do not choose to audition for Concert Band, or who need additional musical growth will be placed in Varsity Band. Continued emphasis is given to the development of musicianship and basic skills through a large repertoire of appropriate level band literature. Students in Varsity Band will perform at scheduled concerts, pep band events, and area festivals, (including large group contest and solo and ensemble contest). These performances are an essential and required part of the curriculum for this course. Other opportunities may include regional honor bands or Jazz Band. This class will run one year in length.

PHYSICAL EDUCATION & HEALTH

HEALTH / PHY ED Grad Requirements

- Health 9
- Physical Ed 9

1.0 Total Credit Required

0.5 cr, 1 semester
0.5 cr, 1 semester

REQUIRED COURSES

Course Title: Phy Ed 9 (Required)

Prerequisite: None

Credit Value: .5

Grade: 9

Course Description:

This course is designed to give our 9th graders a look into all of our high school elective Phy Ed courses. We will cover both Team and Individual Sports. We will introduce the benefits of Strength & Speed training We will focus on the importance of Lifetime Fitness, and how to incorporate physical activity into your life both now and into the future. This class will run on an A & B day schedule, opposite of Health 9 for the whole school year.

Course Title: Health 9 (Required)

Prerequisite: None

Credit Value: .5

Grade: 9 (Online class available for juniors and seniors who have not yet completed their Health credit)

Course Description:

Units covered in this course will include the following: first aid, community health, family life education, mental and emotional health, personal health, prevention and control of disease, substance use and abuse (drugs). The students will discuss a variety of issues dealing with dating, parenting, responsible behaviors, proper body care and maintenance, how and when to say “no,” peer pressure, and healthy choices. This class will run on an A & B day schedule, opposite of Phy Ed 9 for the whole school year.

ELECTIVE COURSES

Course Title: Individual Sports

Prerequisite: None

Credit Value: .5

Grade: 10, 11, 12

Course Description:

This course offers the student and opportunity to develop advanced skills in a variety of individual sports. Activities may include Tennis, Golf, Badminton, Cross Country Skiing, Frisbee Golf, Pickle Ball, Spike ball, Dance, Aquatics, and more. Students will be expected to demonstrate knowledge of the rules and strategy of the games, exhibit cooperation and a high level of participation. This class will meet every day and will run 1 semester in length

Course Title: Lifetime Fitness

Prerequisite: MAHS PE 9

Credit Value: .5

Grade: 10, 11, 12

Course Description:

The purposed of this course is to help students develop and actively participate in a program that will enhance personal fitness, presently and in years to come. Activities in this course will include aerobics, dance, yoga, pilates, weight room exercises, and other fitness activities and games. Students will design a personal fitness plan which will help them improve their current level of fitness and establish goals for lifetime fitness. This class will meet every day and will run 1 semester in length.

Course Title: Strength & Speed

Max enrollment of 24 students

Prerequisite: MAHS PE 9
Credit Value: .5
Grade: 10, 11, 12

Course Description:

The purpose of this course is to meet the scheduling needs of student-athletes. Strength and speed development will be the objective of this course. The format will consist of alternating workouts of strength and speed. Workouts will be meant to increase Strength, Power, Agility, and Linear Speed. Students will be tested in the 40 yard dash, Pro Agility, Vertical Jump, Squat, Bench Press, and Power Clean. This class will meet every day and will run 1 semester in length.

Course Title: Team Sports

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Course Description:

This course offers the student an opportunity to develop advanced skills in various team sports. Activities may include Touch Football, Soccer, Lacrosse, Basketball, Volleyball, Ultimate Frisbee, Team Handball, Broomball, Water Polo and more. Students will be expected to demonstrate knowledge of the rules and strategy of the games, exhibit cooperation and a high level of participation.

Course Title: Healthy Living/Game of Life

Prerequisite: None
Credit Value: .5
Grade: 9, 10

Course Description:

This course will cover a range of content to help students navigate through high school and persevere after graduation. Topics will include but aren't limited to: Social-Emotional Skills, Study Skills, Mental Health Awareness, Digital Citizenship, Time Management, Social Etiquette, etc. This will be a hands-on, discussion-based, and project-oriented class.

AGRICULTURE

Course Title: Ag, Pizza and You

Prerequisite: None
Credit Value: .5
Grade: Recommended as a first Ag class for grades 9-12 Ag students (9-10)

Course Description:

This course allows students to study a variety of agricultural topics throughout the seven Agricultural, Food, and Natural Resources pathways. It serves as an introduction to much of the coursework included with the AFNR Career Cluster. Skills learned will be applied when participating in FFA activities, conferences, CDEs, and future classes. Topics covered include animal science, plant science, ag mechanics, ag business/communications, natural resources and food science.

Course Title: Animal Science

Prerequisite: none
Credit Value: .5
Grade: 10, 11, 12

Course Description:

This course will introduce basic concepts and principals of animal nutrition, health, behavior, reproduction, and careers. Companion animals, livestock, and wildlife will be used to illustrate and reinforce the course objectives. Guest speakers, group projects, laboratory activities, and other interactive instructional methods will be employed to provide students opportunities to apply classroom learning.

Course Title: Horticulture

Prerequisite: none
Credit Value: .5

Grade: 10, 11, 12

Course Description:

Horticulture is designed to give students a background in horticultural science and many other career opportunities in the nursery, garden, turf and landscape industries. It addresses the biology and genetics involved in the production, processing and marketing of horticulture plants and productions. Increased interest in the quality of environment, conservation, and restoration projects are stimulating growth in the industry. Quality nursery and landscape operations require skilled, educated employees. Classroom and laboratory content will be enhancing by utilizing appropriate equipment and technology. Mathematics, science (physical science, biology, chemistry), English and human relations skills will be reinforced in the course.

Course Title: Wildlife and Natural Resources

Prerequisite: None

Credit Value: .5

Grade: 10, 11, 12

Course Description:

This course discusses the biology and relationships among species of wild animals and how natural resources impact our daily lives. We will study both Minnesota game and exotic games systems. We will learn to identify different species, understand their place in their ecosystem, and apply that knowledge to game and population managements. Discussions will also include hunting and fishing regulations, water and water pollution, and career options in wildlife and natural resource management. In the natural resources lessons, we will study the Minnesota Forestry and iron one industry as well as discussing how wildlife and natural resources are related.

Course Title: Small Engines

Prerequisite: None

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will learn the fundamental skill Engine Theory, Service, Operation, Repair and Careers. Students will receive basic instructions and demonstrations including safety & use of Hand, Parts Identification and Engine Systems. Students will complete basic individual projects. Safety rules and exams will be taken be work beings in the shop.

*Required state standards covered in this course: various science strands, social studies strands, language strands & math strands.

Course Title: Welding I

Prerequisite: None

Credit Value: .5

Grade: 10, 11, 12

Course Description:

This course has been developed to give students introductory skills and knowledge in the area of shop safety, metal working and welding. Students will develop and demonstrate skills in arc welding, MIG welding and plasma cutting. This course is designed to give students experience by doing hands on welding practice by welding a variety of joints in multiple positions.

Course Title: Welding II

Prerequisite: Welding I

Credit Value: .5

Grade: 11, 12

Course Description:

Students will use their welding skills obtained in Welding I to design and construct, as well as repairs. Students will construct individual and group projects. New skills learned in this Welding II class include oxyacetylene welding/torch cutting, TIG/aluminum welding and CNC machining.

Course Title: Companion Animal Science

Prerequisite: None

Credit Value: .5

Grade: 9, 10, 11, 12

Course Description:

Students will dive in deeper to the companion animal world. Animals that are studied include dogs, cats, fish, birds, rabbits, parasites, rodents, and other companion animal type pets. Student will learn different veterinary terms and how to handle different situations, emergent and non-emergent, when it comes to their own pets. There will also be some hands-on opportunities for the students as we will take field trips to the local vet clinic and humane society. Broad objectives for the class include: breed identification, labeling anatomical structure of each animal, using veterinary tools in real-life situations, describing the basic ways to take care of a pet and how to troubleshoot, and discussing hot topic issues in the companion animal world.

BUSINESS

Course Title: Accounting I-A

Prerequisite: None

Credit Value: .5

Grades: 10, 11, 12

Course Description:

Business activities touch the lives of everyone. Students will begin their study with the basic accounting cycle using double entry accounting principles and proceed to more complex activities. This class runs one semester in length. **Students planning to take Accounting II in the future must complete both semesters of Accounting I A & B.**

Course Title: Accounting I-B

Prerequisite: Accounting I-A

Credit Value: .5

Grades: 10, 11, 12

Course Description:

This class is a continuation of Accounting I-A and expands into the areas of payroll, adjusting and closing entries, dealing with uncollectible accounts, depreciation, promissory notes, and corporate accounting. Students will use data to record statements, and perform period-ending closing tasks to complete the accounting cycle using both manual and electronic methods. Substantial time will be spent on computerized accounting. This class runs one semester in length.

Course Title: Accounting II

Prerequisite: Accounting I-A & Accounting I-B

Credit Value: .5

Grades: 11, 12

Course Description:

Students must successfully complete both semesters of Accounting I to be qualified to take Accounting II.

Course Title: Careers

Prerequisite: None

Credit Value: .5

Grade: 9, 10, 11, 12

Course Description:

It is important that students understand both themselves and the field of careers so that they can begin to plan for their employment. This course will allow students to assess their interests and abilities. Along with researching yourself and jobs, it is critical to know what to do with the money you earn. Through this course, students will learn practical, valuable information they can use as young people working and living in today's economy.

Course Title: Computer Essentials I

Prerequisite: None

Credit Value: .5

Grade: 9, 10*, 11*, 12*

Course Description:

Skills you will use and never lose! This course provides an understanding of the AHS computer system and introduces appropriate formatting of personal and school documents by developing proficiencies in word processing. Keyboarding technique will also be reinforced throughout the course. This is a "must have" class, allowing students to transfer essential computer skills to other academic areas. Learn these skills now to save

time and improved grades in high school and college coursework with fast and accurate computer output. Upon successful completion of this course, students may earn Tech Prep College Credit: ADMS 1202 or BUSM 1207.

Course Title: Computer Essentials II

Prerequisite: Computer Essentials I
Credit Value: .5
ATCC Credit: With articulated ATCC credit
Grade: 10, 11, 12

Course Description:

Take your skills to the next level. You will refine your keyboarding skills and develop skills that you can use in business and real-life situations. Along with advanced office applications, you will continue adding to your knowledge base in spreadsheet, database and presentation applications.

Course Title: CO-OP Placement

Prerequisite: You must have employment and must have completed, or be enrolled, in a high school business course.
Credit Value: .5
Grade: 12

Course Description:

Co-op placement is for students who wish to do an internship in an area of interested career choice. Students will have assignments to build a portfolio. Topics and assignments will be given in area such as resumes, cover letters, job applications and job interviews. Weekly reports and evaluations will be part of your portfolio. Students are required to meet a classroom component every Thursday. Student must have reliable transportation with insurance; students driving will have proof of a valid driving license. Students must be passing all classes in order to participate.

Course Title: Entrepreneurship

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

Our young entrepreneurs will learn from taking an original idea, introducing it to the public and following through with a written business plan. Decisions on startup of a venture, finances and growth will all be covered. Marketing and management concepts will be covered. On site job visits as well as job shadowing will provide students with real world experiences.

Course Title: Internet Programming & Web Design

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Course Description:

This course introduces the learner to technical issues involving the planning, designing, creating and maintenance of a web site. Concepts include how to create and when to use tables, frames, forms, style sheets, templates, and more! We will use a variety of online options to host sites. Planning a site that is functional, legible, and uses straight-forward navigation techniques is stressed. At the conclusion of the course, learners have a fully functional web site operating on a web server.

Course Title: Graphic Design/Digital Media

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Course Description:

This course introduces students to the design process and the principles of design. Emphasis will be placed on problem solving and relating graphic design to communication. Students will study the principals of design, color theory, typography and will use major design software including Adobe Photoshop, Adobe Illustrator and InDesign. Design elements of both print and Web publications will be introduced. Students will also explore career options in the graphic design industry.

Course Title: Personal Finance

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

The focus in this class is giving students the tools and knowledge to manage their personal finances. The class will explore consumer decision making skills and consumer rights and responsibilities. The class will focus on budgeting, banking services, savings, investing, credit, insurance, and making wise money management decisions. The class will also look at housing choices and quick meals. This is a class that will benefit ALL senior high students!

Course Title: **Intro to Business** – offered 1st Semester only

Prerequisite: None

Credit Value: .5

Grades: 10, 11, 12

Course Description:

This is a basic business course designed to acquaint students with the activities associated with a business. Students will gather a basic understanding of general business, economics, entrepreneurship and business. Overall, the course gives students a broad exposure to business operations and a solid background for additional business courses.

Course Title: **Small Business Management** – offered 2nd semester only

Prerequisite: None – Intro to Business recommended but not required.

Credit Value: .5

Grade: 10, 11, 12

Course Description:

Students will learn how businesses use data to make informed decisions regarding inventories, pricing, distribution, and employee relations. Main topics covered in this class will include the following: business and its environment, forms of business ownership and the laws regarding different types of ownership, information and communication systems, production and marketing management, financial management, file management, human resources management, and management responsibilities. Students will complete a small business startup kit to build a comprehensive and well thought-out business plan. This class will run 1 semester in length

Course Title: **Marketing**

Prerequisite: None

Credit Value: .5

Grade: 10, 11, 12

Course Description:

“Nothing happens in our economy until someone sells something – be it product, service, or idea!” Students will be introduced to business technology. Emphasis will be placed on the proper steps of the selling process, ethics in selling, and career opportunities in sales and sales management. The promotion mix, what makes a good advertisement successful; the setting up of effective displays, and an actual promotional plan for a product/service will be topics also touched upon. Students will study marketing, management, and the role of business in society.

Course Title: **Video Production**

Prerequisite: None

Credit Value: .5

Course Long: Semester

Grade: 10, 11, 12

Course Description:

This introductory study of video production will include technical instruction, editing news script, video-editing, camera operation, and news show production. Students will create their own productions for public viewing.

FAMILY & CONSUMER SCIENCE

Course Title: **Teen Living**

Prerequisite: None

Credit Value: .5

Grade: 9, 10

Course Description:

Do you want to better manage your money? Learn basic cooking skills and healthy eating habits? Find out what habits can make you more effective in school and your personal life? Then Teen Living is the class for you. The class will cover information in many areas of teen's lives – personal development, child development, foods and nutrition, interior design and personal finance. Class projects include: the Baby Think It Over project, foods labs, personal eating analysis, teen budgeting, the check book project, and a book study on The Seven Habits of Highly Effective Teens. Teen Living is an interactive, hands-on learning class. This course runs 1 semester in length.

Course Title: Food for Life

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Course Description:

How do your food choices affect your life? Would you like to learn food preparation skills? This class is the study of foods, food preparation and their nutritional contributions to a healthy lifestyle. This class promotes the development of cooking skills, safe preparation techniques, meal planning and nutrition. Weekly foods labs include breads, poultry, meats, fruits, vegetables, soups and hot sandwiches. The class runs 1 semester in length.

Course Title: Global Foods

Prerequisite: None
Credit Value: .5
Grade: 10, 11, 12

Would you like to learn to prepare foods from around the United States and the world? Travel around the United States and the world with foods. Students would learn about the influences of culture on our foods. Students will participate in a weekly foods lab based on the foods from around the United States and world. Student projects would include researching a culture and its food from a region or country of their choice. This class runs 1 semester in length.

Course Title: Culinary Arts

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

This course is designed to teach cooking skills and expose students to careers in the foodservice industry. Class focus will be on trends that impact the food service industry, careers in the food service industry, food borne illness and their prevention, menu planning, and cost analysis of products. One cooking lab per week will focus on cooking food with creative and artistic appeal. The class will develop and run a Food Business. Sanitation and safety will emphasize throughout the semester. This class runs 1 semester in length.

Course Title: Family Life and Child Development

Prerequisite: None
Credit Value: .5
Grade: 11, 12

Course Description:

This course will explore family life and marriage. Students will learn about child development from birth - teen years through readings, videos, speakers and hands on experiences. Students will also explore careers in child development. Students will select a self-directed project for the semester in the area of family, child development or careers. This class will run 1 semester in length.

Course Title: Independent Living

Prerequisite: None
Credit Value: .5
Grades: 11, 12

Course Description:

This class will focus on students living independently on their own after high school. The focus of the semester is to develop skills in the areas of money management, quick and easy food preparation, housing decisions, time management, getting along with roommates, goal setting and decision making. This class runs 1 semester in length.

Course Title: Interior Design and Housing

Prerequisite: None

Credit Value: .5

Grades: 9, 10, 11, 12

Course Description:

Do you like to redecorate your room? This class is designed to help you learn to make wise housing choices, to learn about art principles and their application to decorating choices, study floor plans, room and furniture arrangement and selection, study housing styles and look at how technology has changed our housing environment. A final project of the student's choice will include floor plans and composite of materials and color choices, selection and arrangement of furnishings, and an application of the technology of today.

Required state standards covered in this course:

Math standards of measurements and number sense. Reading standards of non-fiction reading and vocabulary expansion.

INDUSTRIAL TECHNOLOGY

Course Title: Exploration in Technology I

Prerequisite: None

Credit Value: .5

Grade: 9, 10, 11, 12

Course Description:

This course will provide exploration in Manufacturing and Communication. Students will design and construct a shaker style table. We will also be using the Laser Engraver to design projects as well as a mirror, which we will construct a frame for. In communications the students may produce logos for silk-screening shirts. This course will also offer introduction to programming mobile robots using LEGO Mindstorm EV3 systems with motors, rotation, and sensors (Sound, Light, Touch). All activities will require safe and proper use of power equipment.

Course Title: Exploration in Technology II

Prerequisite: None

Credit Value: .5

Grade: 9, 10, 11, 12

Course Description:

This course will provide an exploration in wood production and transportation. Safe and proper use of power equipment will be required to design and produce wood products within reason of their choice. Transportation will include making Co2 cars and terrestrial MTPV's as well as ballistic launching devices.

Course Description: Furniture Construction I

Prerequisite: Explore Tech. I or II or by Instructor approval

Credit Value: .5

Grade: 9, 10, 11, 12

Course Description:

This course deals with the construction of cabinets and furniture. Chests, dressers, hutches, and entertainment centers are examples of projects that could be constructed. Skills in joinery, fastening, finishing, along with various construction methods will be covered. There is a strong emphasis on proper machine use, safety, quality and workmanship.

Course Title: Furniture Construction II

Prerequisite: Furniture Construction I or by Instructor approval

Credit Value: .5

Grade: 10, 11, 12

Course Description:

This course deals with the construction of cabinets and furniture. Chests, dressers, hutches, and entertainment centers are examples of projects that could be constructed. Advanced skills in joinery, fastening, finishing, along with various construction methods will be covered. Students are also required to turn a project on the Lathe. There is a strong emphasis on proper machine use, safety, quality and workmanship. Students should have taken a previous Technology Class before they take FC II.

Course Title: Home Maintenance/Know Your Car

Prerequisite: None
Credit: .5
Grades: 10, 11, 12
Offered: Every other year – 2020-21 School Year

Course Description:

This class is based on increasing the consumer's awareness of a typical house and how it functions. We will cover purchasing, repairing, and maintaining a house. Sometime will be spent looking at the automotive industry from purchasing to repairs. Activities will include: cost estimation, drywall repair, screen repair, painting, flooring, plumbing as well as many other activities.

Course Title: CAD I (Solidworks)

Prerequisite: Any one of the Technology classes
Credit: .5
Grades: 11, 12
Offered:

Course Description:

In this course students will be introduced to various basic drafting principles, tools and techniques. The objective is to gradually increase the student's drafting skills by starting with mechanical drafting and working towards basic Solidworks CAD fundamentals. Participants will learn basic operations and commands, plot and create 2-D / 3-D drawings, as well as modify drawings and print drafts. We will also be designing products to produce using the 3-D Printer.

Course Title: CAD II (Computer Aided Drafting Technology II)

Prerequisite: CAD I
Credit: .5
Grades: 11, 12
Offered:

Course Description:

The course will equip students with knowledge and skills necessary to obtain entry-level employment in design and drafting areas. Approximately 85% of the student's time will be spent designing on the computer and the other 15% will be on lectures, demonstrations, and tests/quizzes. Students will be using Solid Works program to complete all of their drawing assignments.

Course Title: Laker Construction

Prerequisite: Furniture 1 and or 2
Credit: .5
Grades: 11, 12
Offered:

Course Description:

Laker construction is designed to provide students with the skills needed for employment in the entry level and semi-skilled positions in the construction area. The main purpose of the class is for the students to learn the different skills and types of careers which are available in the construction industry. Students will learn the fundamentals of construction along with safety in the shop and on the jobsite. Along with safety, students will learn about personal protective equipment and employability skills in the areas of study which are vital to students getting and maintaining employment.

WORLD LANGUAGE

Course Title: Spanish I

Prerequisite: None
Credit Value: 1, year-long course
Grade: 9-12

Course Description:

In this year-long course, students will be introduced to the basics of Spanish language through using comprehensible input. Input is the primary focus which has a strong emphasis on listening and reading. As the year progresses, students will work towards output; speaking and writing. Students will explore a variety of cultural topics through songs, reading, co-created stories, discussion, short

films, and games. At the end of this course, students will be interpreting, expressing, and negotiating the meaning of basic messages in the Spanish language. Daily participation is essential to learning!

Course Title: Spanish II
Prerequisite: Spanish I
Credit Value: 1, year-long course
Grade: 10, 11, 12

Course Description:

In this year-long course, students will be building upon the skills acquired in Spanish I. Continued emphasis will be placed on listening and reading longer texts, while also incorporating more speaking and writing. Students will continue to explore a variety of cultural topics through songs, reading, co-created stories, discussion, short films, and games. At the end of this course, students will be interpreting, expressing, and negotiating the meaning of basic and expanded messages in the Spanish language. Daily participation is expected.

Course Title: Spanish III **
Prerequisites: Spanish I, II
Credit Value: 1, year-long course
Grade: 11, 12

Course Description:

This course is a review of the fundamentals in grammar and vocabulary covered in the first years of Spanish language study, with amplification to more advanced structures and complex language usage. Many verb tenses (present, past, future, conditional, subjunctives) will be introduced and reviewed through reading, writing and speaking. Graded level readers are used for pronunciation, comprehension and cultural information, providing topics in art, music, politics and current events. Short essays and conversations complete the language skill practices.

Course Title: Intermediate Spanish I-Central Lakes College
(Spanish III)

College Course #: SPAN 2401
Setting: Classroom
Prerequisites: Spanish I, II
H.S. Credit: 1
Course Length: Year
College Credit: 4
Available to Grades: 11, 12

Course Description:

This course is a review of the fundamentals in grammar and vocabulary covered in the first year (or years) of Spanish language study, with amplification to more advanced structures and complex language usage. The remaining verb tenses (future, conditional, subjunctives) will be introduced through reading, writing and speaking. Graded level readers are used for pronunciation, comprehension and cultural information, providing topics in art, music, politics and current events. Short essays and conversations complete the language skill practices.

Course Title: Intermediate Spanish II – Central Lakes College

College Course #: SPAN 2404
Setting: Classroom
Prerequisites: Spanish I, II, III
H.S. Credit: 1
Course Length: Year
College Credit: 4
Available to Grades: 12

Course Description:

This course follows SPAN 2401 in sequence of grammar acquisition. Review begins with the present subjunctive formation and uses. Continued emphasis will cover: Reflexives, *Ser/Estar*, passive voice, perfect tenses and finally, the introduction of imperfect subjunctive. Grammar practice and the perfecting of language structures is emphasized. Vocabulary will reflect upper level constructions, idioms, words frequently confused and cultural variances. This course is also designed to promote communication in the target language. Graded level readers provide reading practice, grammar review, vocabulary building and cultural reference. Role

play, videos, newspapers, magazines and native speaker guests serve as a basis for class discussion, enhance reading, listening and comprehension skills. The class is taught in Spanish with some grammar lessons in English. Participation in class activities is the key component to learning!

INDEPENDENT LEARNING

Course Title: Youth Service

Prerequisite: None

Credit Value: 1

Course Length: Semester

Grade: 12

Course Description:

This elective is an independent study class for students to perform a service that is of their choice and is meaningful to the school or our community. Students will attend a one day orientation to discuss their project with the Youth Services Coordinator. Students must be willing to make the commitment to complete 50+ hours of Youth Service per quarter to earn one credit. Other requirements include completion of weekly journals and a final paper.

COMPUTER SCIENCE

Course Title: Technical Knockout I

Prerequisites: None

Credit Value: .5

Course Length: Semester

Grade: 10, 11, 12

Course Description:

In this course, students will learn the fundamentals of servicing and repairing computers. This prepares them to become the first line of technical support for our 4-12 building. In addition, students will conduct maintenance on student and Makerspace devices, and assist with Makerspace programs.

Course Title: Technical Knockout II

Prerequisites: Technical Knockout I

Credit Value: .5

Course Length: Semester

Grade: 10, 11, 12

Course Description:

In the part II course, students will expand their computer science skills. Students will resume to conduct maintenance on all devices, assist with Makerspace programs, and possibly train new members.