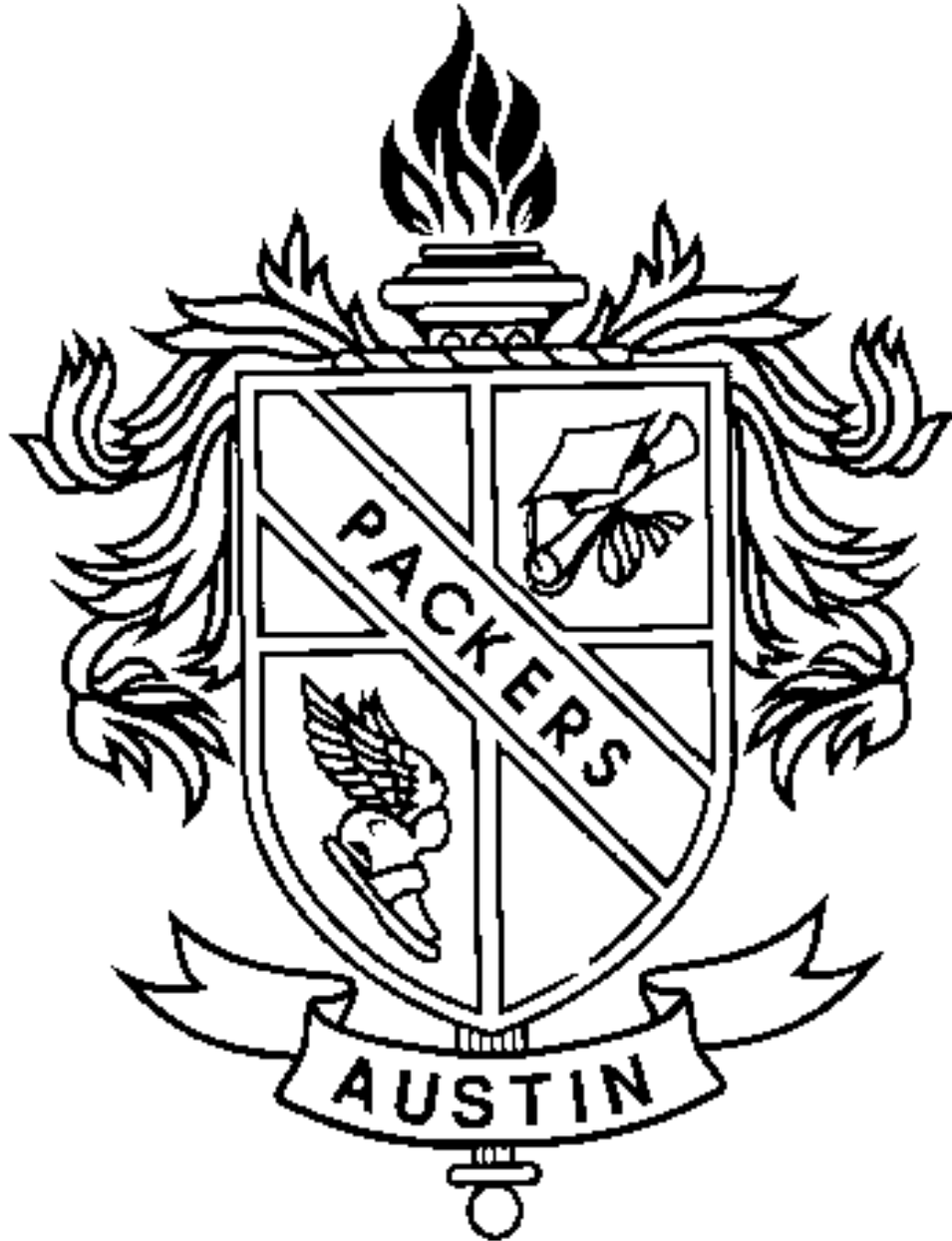


Austin High School Course Registration Guide 2015-16



*Plan for your future because that's where you are going
to spend the rest of your life. -Mark Twain*

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Graduation Requirements

Course	Required Credits for Graduation For Class of 2014-2017
English	4
Social Studies	4
Science	3
Mathematics	3
Physical Education	1
Visual and Performing Arts	1
Health	0.5
Electives	7.5
Total credits required to earn a diploma	24

Semester Course = 0.5 credits

Students are strongly recommended to take 0.5 of the 1 credit requirement of Physical Education and 0.5 credits of Health in 9th grade. For students in 9th grade, the exception to this requirement is as follows:

Students who take 2 music courses and 1 world language course

Students who take 2 world language courses and 1 music course

Students are then expected to meet the requirements in grades 10-12

Visual and Performing Arts Requirement

Students may choose from the following courses to fulfill the State Arts Standard and the local graduation requirement.

Department	Course Titles
Art	3-D Design, Adv. 3-D Design, Basic Drawing, Adv. Drawing, Digital Video Production I, Painting I, Painting II, Photography I, Photography II, Studio Art
Family & Consumer Science	Interior Design
Technology Education	Graphic Arts I, Graphic Arts II, Graphic Arts III
Music	Concert Band, Concert Choir, Concert Orchestra, Mixed Choir, Prep Orchestra, Symphony Orchestra, Treble Choir, Wind Ensemble

Graduation Requirements

Minnesota state legislation calls for students to be prepared for career and college.

ACT Plan

In the fall, all 10th grade students will be required to take the ACT Plan test. This assessment will provide students and families information that will assist in shaping students' academic and career plans.

MCA GRAD Reading Assessment

In the spring, all 10th grade students will be required to take the MCA Reading Assessment. The assessment will consist of multiple choice questions based upon the K-12 Minnesota Academic Standards in Language Arts. Students must earn a scaled score of 1050 or higher in order to receive a passing score. To view sample tests or obtain more information visit the link below.

MCA GRAD Mathematic Assessment

In the spring, all 11th grade students will be required to take the MCA Mathematic Assessment. The assessment will consist of multiple choice questions based upon the K-12 Minnesota Academic Standards in Mathematics. Students must earn a scaled score of 1150 or higher in order to receive a passing score. To view sample tests or obtain more information, please visit the link below.

ACT plus Writing

In the spring, all 11th grade students will be required to take the ACT plus Writing Assessment. This assessment is a college entrance exam and can provide students and families information about a student's academic knowledge and college readiness.

Other Assessments

Some students will be required to take the Compass (College Placement Diagnostic Assessment) after the Act Plan test and prior to taking the ACT plus writing if their rest results do not indicate adequate growth from 8th and 10th grade assessments.

Students will be assessed using the MCA Science test the academic year that they take Biology. This test will consist of multiple choice questions based upon the K-12 Minnesota Academic Standards in Life Science. Students must earn a scaled score of 1050 or higher in order to receive a passing score. To view sample tests or obtain more information visit the link below.

Minnesota Department of Education - Link for Parents and Students:

<http://education.state.mn.us/MDE/JustParent/TestReq/index.html>

The Minnesota Department of Education site has detailed information about each assessment, the state content standards, and many resources for test preparation and school wide results.

4 Year Planning Guide

AHS operates on a two semester schedule with 8 periods per day. Each semester, students will take 7 courses, while the 8th course will be Connect (Advisory/Homeroom). Courses at AHS will be one or two semesters in length, with the expectation that if the course is two semesters long students will take both semesters in one school year. Students are able to register for Study Hall one or both semesters, but they will not receive credit for the course.

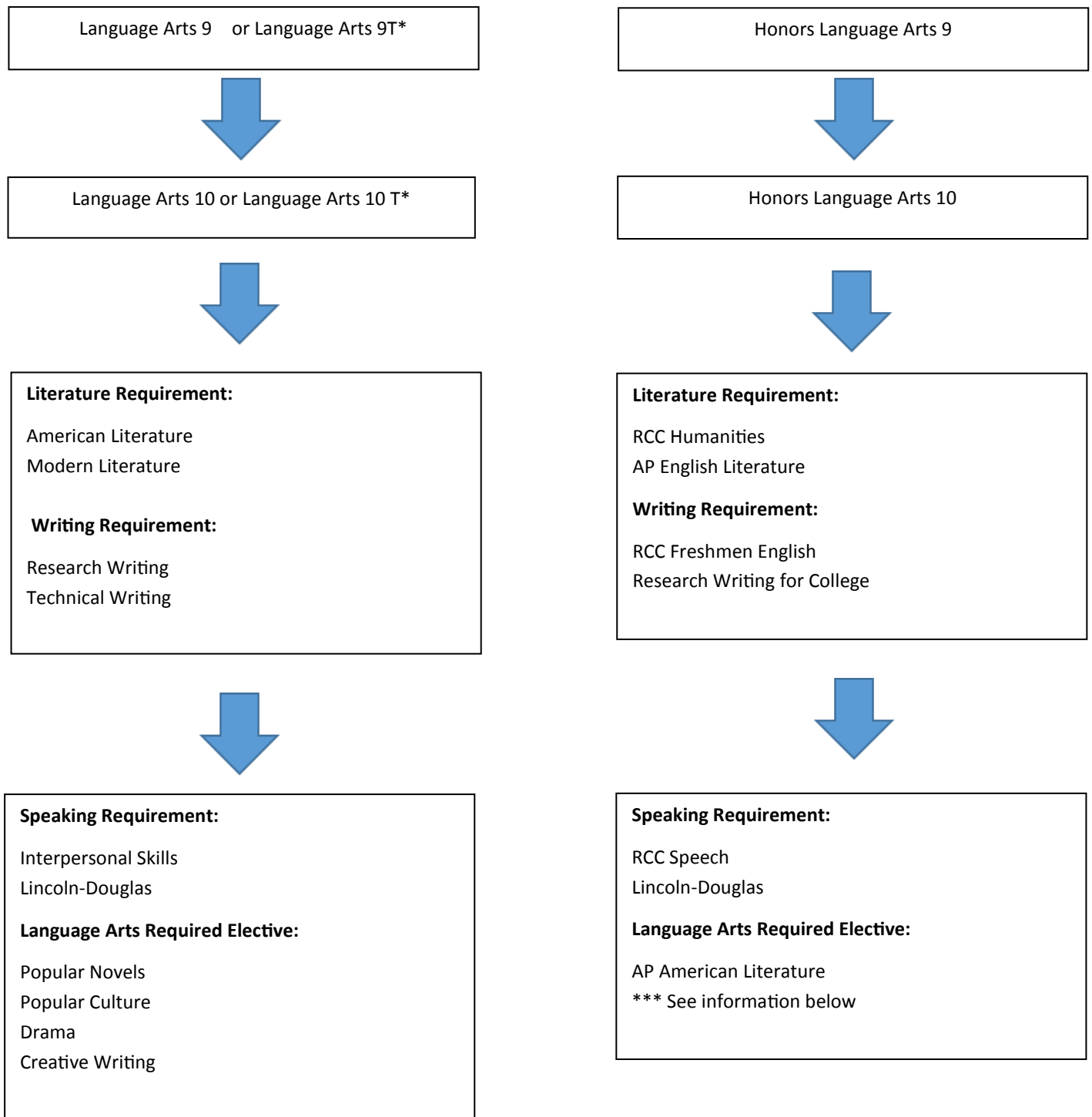
<i>Grade 9</i>	
<i>Semester 1</i>	<i>Semester 2</i>
Language Arts 9 or Honors Language Arts 9	Language Arts 9 or Honors Language Arts 9
Algebra, Intermediate Algebra, or Geometry	Algebra, Intermediate Algebra, or Geometry
General Science, Physical Science, or Honors Biology	General Science, Physical Science, or Honors Biology
World History or Honors World History	World History or Honors World History
Health or PE	Health or PE
Elective (2)	Elective (2)

<i>Grade 10</i>	
<i>Semester 1</i>	<i>Semester 2</i>
Language Arts 10 Or Honors Language Arts 10	Language Arts 10 Or Honors Language Arts 10
Intermediate Algebra, Geometry, or Algebra II	Intermediate Algebra, Geometry, or Algebra II.
Biology, Honors Biology, or Honors Chemistry	Biology, Honors Biology, or Honors Chemistry
US History I or AP US History I and Human Geogra-	US History I or AP US History I and Human Geography
Elective (3)	Elective (3)

Grade 11	
<i>Semester 1</i>	<i>Semester 2</i>
Am. Literature, Modern Literature, AP English Literature, or RCC Humanities I	Technical Writing, Research Writing for College, RCC Freshman English
Geometry, Algebra II, Honors Algebra II, Pre-Calculus, or Honors Pre-Calculus	Geometry, Algebra II, Honors Algebra II, Pre-Calculus, or Honors Pre-Calculus
Everyday Chemistry, Honors Chemistry, AP Physics, or Anatomy and Physiology	Everyday Chemistry, Honors Chemistry, AP Physics, or Anatomy and Physiology
US History II or AP US History II	US History II or AP US History II
Elective (3)	Elective (3)

Grade 12	
<i>Semester 1</i>	<i>Semester 2</i>
Interpersonal Skills, Lincoln Douglas, or RCC Fundamentals of Speech	Creative Writing, Popular Culture, Popular Novels, Journalism, RCC Writing from Library Sources, RCC Freshmen English, or Drama
American Government or RCC/AP American Government	Economics or RCC/AP Micro-Economics
Elective (4)	Elective (4)

LANGUAGE ARTS COURSE PATH



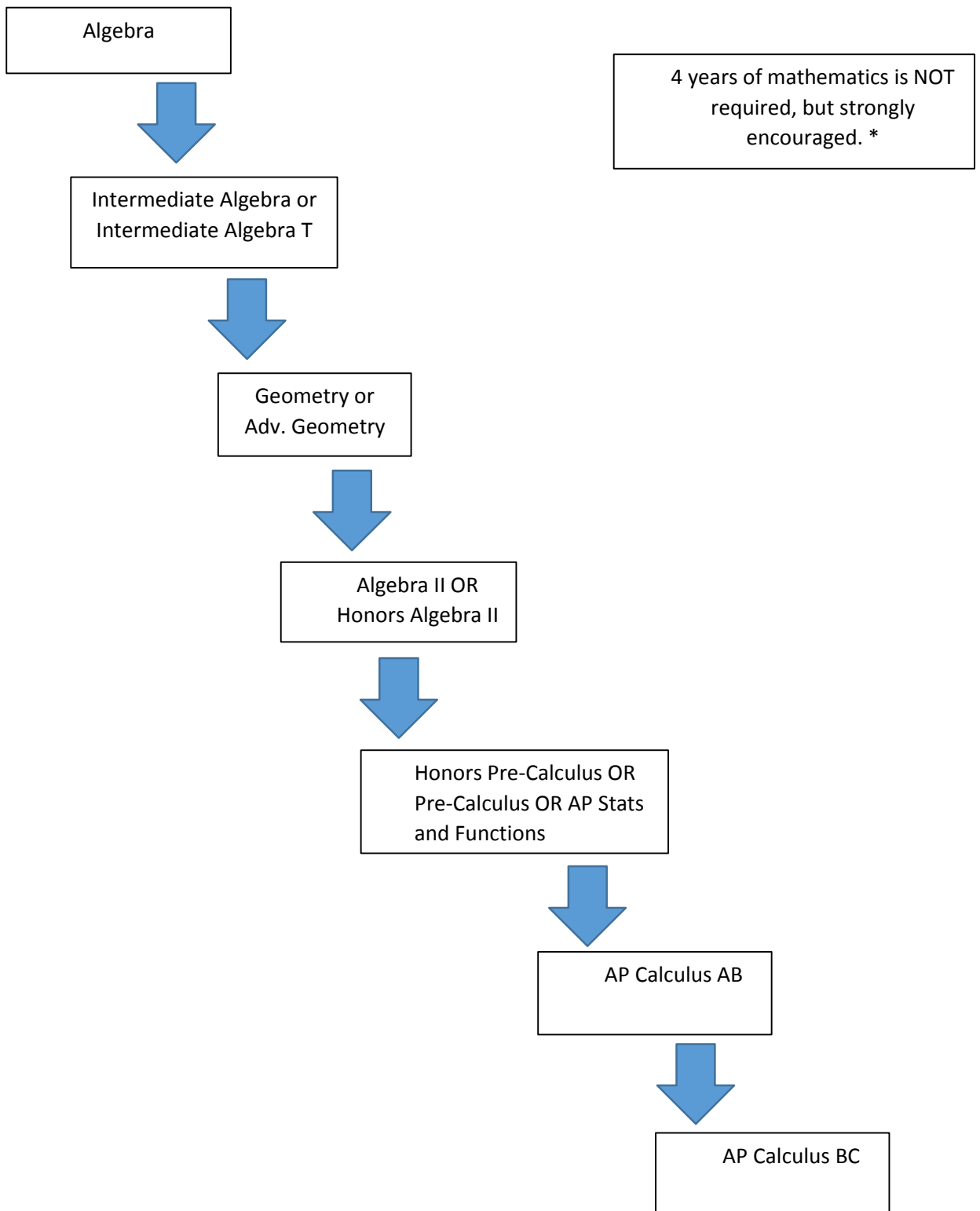
* = Students are recommended for this course.

*** = Students can meet the LA requirement by taking the following courses because RCC courses are worth .75 credit.

RCC Humanities in 11th grade
RCC Freshman English in 12th grade
RCC Speech in 12th grade

NOTE: The pathways above are suggested. Students can change pathways depending upon academic ability and course interest.

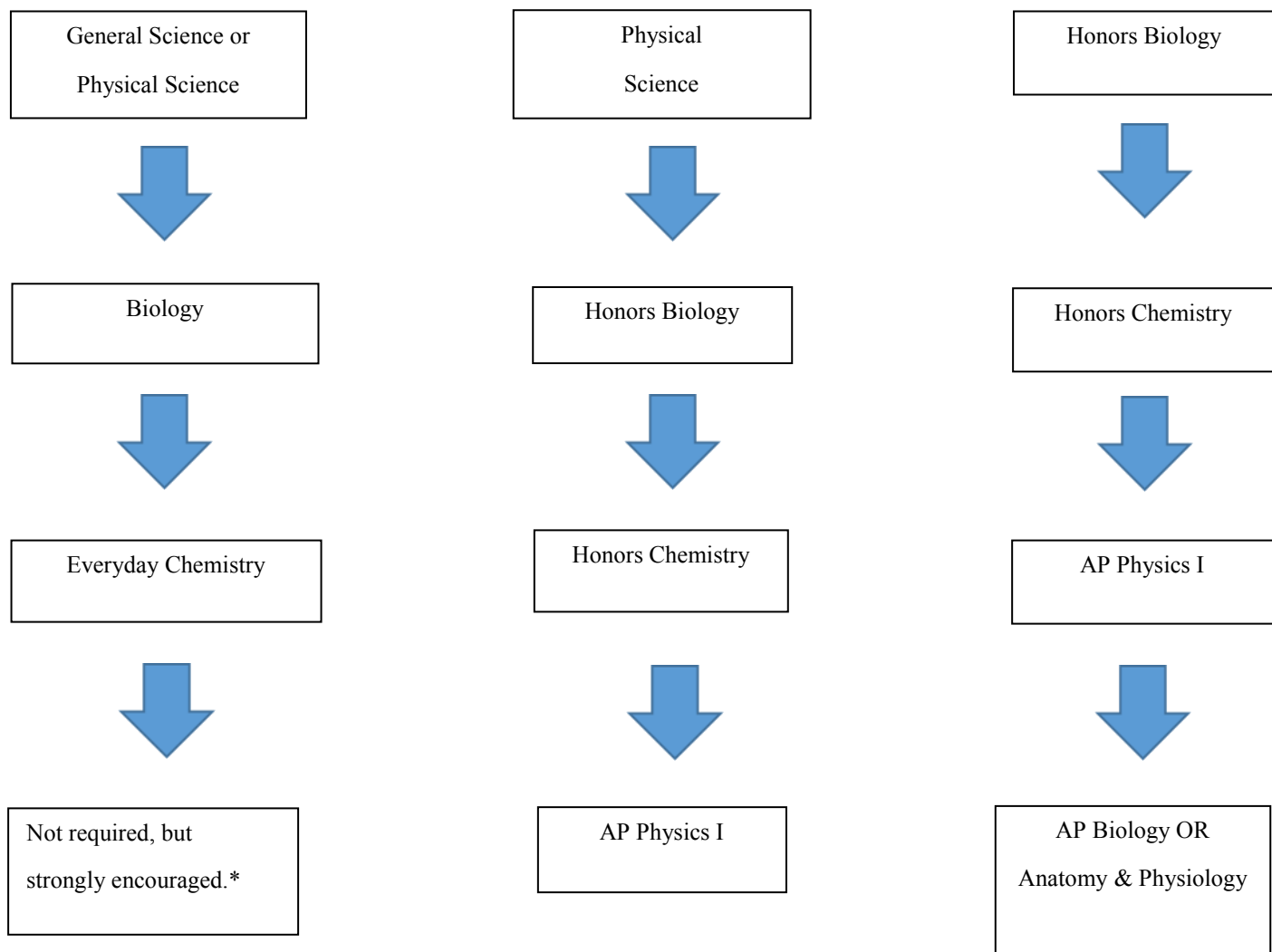
MATHEMATICS COURSE PATH



* = Students interested in attending a four year college are encouraged to take 4 credits of math.

NOTE: The pathways above are suggested. Students can change pathways depending upon academic ability and course interest.

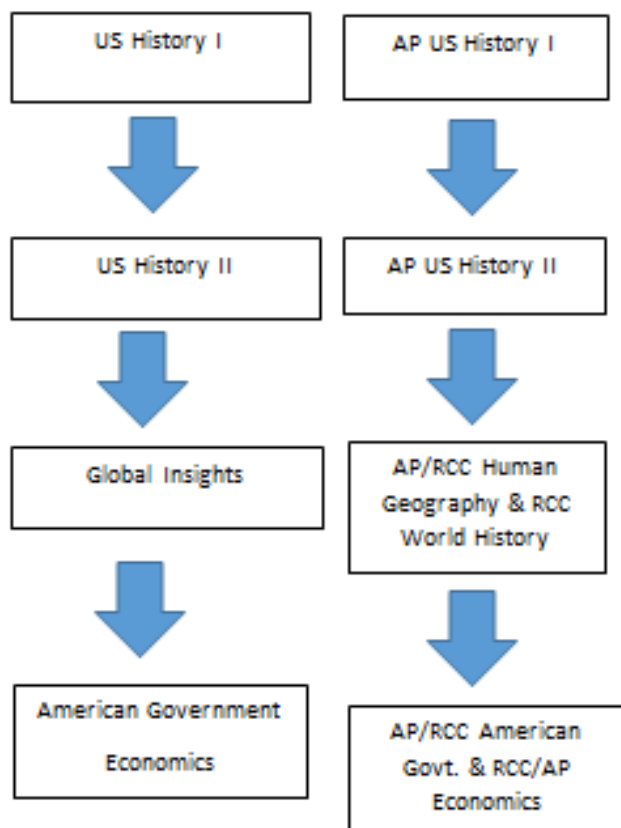
SCIENCE COURSE PATH



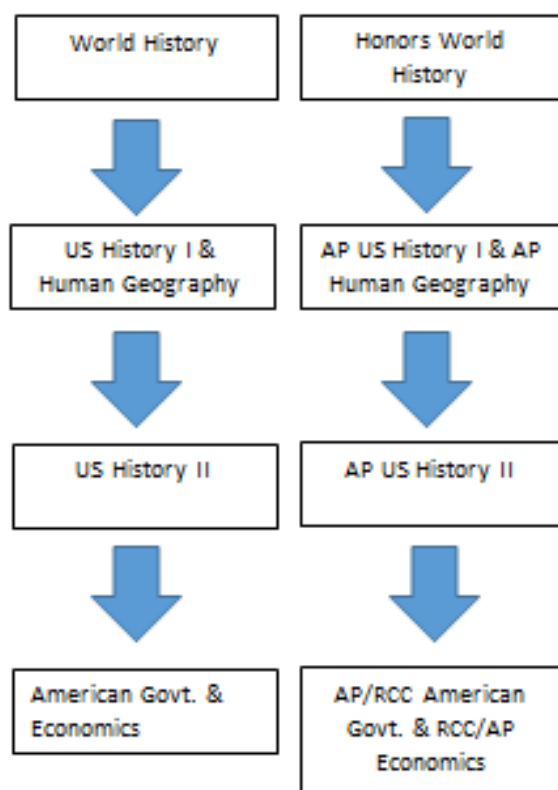
NOTE: The pathways above are suggested. Students can change pathways depending upon academic ability and course interest.

SOCIAL STUDIES COURSE PATH

Class of 2014-2016



Class of 2017 & Beyond



NOTE: Student must take AP/RCC Human Geography and RCC World History together. They cannot take only one of the courses.

NOTE: The pathways above are suggested. Students can change pathways depending upon academic ability & course interest.

General Information

Registration

Students register online early in the second semester for the next school year. Students are to read this guide and listen carefully to their counselors and teachers as they give direction and assistance in high school/post high school planning. It is important to make good decisions now about course selections because **course changes are not allowed** unless there are extenuating circumstances.

Attention New Students

New students who move into the District during the summer or school year are encouraged to enroll as soon as possible. Enrollment materials are available at the Central Enrollment Office (507-460-1937) and should be completed and returned to the Central Enrollment Office. Students will need to make an appointment with the Central Enrollment Office to take the Scantron test in reading and math which will help the counselors in course selection. Following the Scantron test, contact the high school Counseling Office (507-460-1812) to set up an appointment to meet with your school guidance counselor. Counselors will assist students with appropriate course selections and registration.

Minnesota Open Enrollment Option

Austin High School welcomes non-resident students through Minnesota's Open Enrollment Program. Students living outside the Austin School District boundaries should contact the Superintendent's office at 507-460-1900 for additional information and an application form.

Credits

Full-time students must be enrolled for a minimum of six (6) credits per year to progress toward graduation. A student who satisfactorily completes a high school course shall receive secondary course credit and the credit shall count toward the student's graduation requirements. Students who satisfactorily complete a high school course at the middle school level will not receive secondary course credit that counts toward the student's graduation requirements, and will not impact the student's high school GPA.

Students who enroll in PSEO courses must meet the AHS graduation class credit requirements. In addition to these required credits, students must acquire enough elective credits to meet their graduation total required credits.

Pass/Fail

The Pass/Fail option is an opportunity for AHS Seniors which requires an application and building principal approval. Seniors can use the Pass/Fail option with one elective course per semester only. Once the Pass/Fail option has been declared, it will remain in effect for the semester or duration of the course if it is a year-long course. Students may decide at a later date to receive the letter grade rather than a P/F, but may not take a class Pass/Fail if the application is not completed by the specified date each semester. Application due dates will be posted in the Counseling Office. Students' report cards will reflect their actual grades until the end of the semester when their permanent grade will be changed to either a P or F. Students must earn at least a 60% in the course in order to earn a Pass. This grade (P or F) will remain on the permanent transcript and will not be calculated in the cumulative grade point average unless they do not pass the class. A failing grade will be calculated in the student's GPA and will be reflected on the transcript with an F.

Schedule Changes

Schedule change requests require an "Academic Change Request Form" available in the Counseling Office. **All requests must be submitted by March 15** of the previous school year during the registration process to the student's counselor. Once the registration process is closed, requests for dropping a course will not be considered unless there are extenuating circumstances. These requests will be reviewed by the Building Leadership Team and a decision will be communicated through the student's counselor.

College Entrance Exams

The PSAT is available during fall of the junior year and is used for selection in the National Merit Scholarship Program. Sophomores are also able to take the PSAT but will not be considered for the Scholarship. The NCAA requires SAT or ACT scores to participate in freshman athletics at Division I and II colleges. If you are considering Early Decision at a highly selective college, or you are curious about how well you will do, take the College Entrance Examination Board's Scholastic Assessment Test (SAT) and /or the American College Test (ACT) in the second semester of your junior year. Take or retake the ACT or SAT in the fall of your senior year as necessary to meet admission requirements at specific colleges. A few colleges also require the SAT Subject Tests and ACT Written Test. If you have questions about which test you need to take, check the Counseling Office Web site, information in the Career Center, and /or your counselor.

NCAA Division I/II Student-Athlete Eligibility

To be considered a qualifier at a Division I institution and to be eligible for financial aid, practice, and competition during the first year, the student must meet the following core course requirements:

Division I – 16 Core-Course Rule

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab offered by high school)
- 1 year of additional English, mathematics, or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or non doctrinal religion/philosophy)

Must also earn a minimum GPA in core courses, earn a qualifying ACT or SAT test score, and request final amateurism certification from the NCAA Eligibility Center.

Student-athletes who will enroll in Aug. 2016 and beyond, must:

- Earn at least a 2.3 GPA in core courses
- Meet an increased sliding-scale standard
- Successfully complete 10 of the 16 required core courses before the start of their senior year. 7 of the 10 courses must be completed in English, math and science.

Division II – 14 Core-Course Rule. After August 1, 2013, student-athletes who wish to compete at Division II institutions must complete 16 core courses. See above for courses.

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab offered by high school)
- 2 years of additional English, mathematics, or natural/physical science
- 2 years of social science
- 3 years of additional courses (from any area above, foreign language, or non doctrinal religion/philosophy)

Must also earn a minimum GPA in core courses, earn a qualifying ACT or SAT test score, and request final amateurism certification from the NCAA Eligibility Center.

High Ability Courses

Austin High School offers more than 150 courses in thirteen programs and departments. Many departments provide classes for varying levels of student ability. Students preparing for college are encouraged to consider high ability courses in areas of academic strength.

The Advanced Placement (AP) courses at AHS are an opportunity for all high school students to take college-

level courses and to receive credit for their knowledge and achievement. Students who enroll in these courses will have an opportunity to take the AP test in the course which will be offered in May of each year. If a student scores well, a college that participates in the program will award credit and allow the student to enroll in those subject areas at a more advanced level.

Concurrent courses are offered at AHS through Riverland Community College. Students must meet the PSEO requirements to qualify for these courses. Students will receive both high school and college level credit for these courses taken at AHS.

Honors and Honors courses are also available to students who choose to challenge themselves academically. These courses prepare students for AP and other college level courses which students will have access to taking while at Austin High School.

Graduation Standards

All students will be required to pass the MCA /GRAD state tests in order to graduate from a public high school in Minnesota. See page 4 for detailed information.

Grade Weighting

Austin High School has implemented weighted grading in addition to the traditional grading system (unweighted GPA). Internal scholarships and awards will use the traditional grading system for selection and it will also be used in determining school/district graduation recognition awards. Either system can be used for college admission and scholarships. Both rankings will be displayed on the transcript. The following courses qualify for grade weighting: Advanced Placement, Pre-Advanced Placement, Honors, and UMPTYMP.

A multiplier of .15 will be used to determine the grade weight. To determine the weighted grade, the point value of the grade (AHS uses a 4.0 grade scale) will be multiplied by 1.15 for a total weighted GPA point value. There will be no minimum grade required for grade weighting.

Technical College Credit

Some courses at AHS are being articulated with Minnesota Community/Technical Colleges. Articulated courses allow students to receive college credit while attending AHS. Students who meet the criteria are offered a certificate (scholarship) for part of the cost of the college level course as reward for their efforts in high school. Programs at AHS presently working with articulation agreements are in Technology Education, Business, and Family and Consumer Science. Contact your counselor for additional information.

Independent Elective Course Study

This program is designed to enable students to receive elective credit toward graduation requirements for specialized independent study, which is not available in the regular curriculum or in co-curricular activities. The course of study will be determined by the instructor and the student prior to the beginning of study. A maximum of 0.5 credits per semester will be awarded for work completed. See your counselor for an application and more detailed information.

Online Courses

There are opportunities for students to complete courses online through a variety of accredited programs. Students interested in online courses should meet with their counselor prior to enrolling. Online courses that have not been approved by the Minnesota Department of Education must be approved by the student's counselor prior to online registration to receive credit toward graduation.

Course Credit for Prior Learning

Students may test out of any course offered at Austin High School and receive credit in any subject area if the student is able to demonstrate mastery of the curriculum for that course. Application for Credit for Learning may occur one quarter in advance of the start of the class or not later than 3 weeks into the course. Students should meet with their counselor for application forms and more detailed information.

Area Learning Center

The Area Learning Center is a program designed to help students achieve their potential outside the traditional educational setting. The ALC offers a wide variety of courses to provide students an opportunity to earn credits toward an Austin High School diploma. Students earn high school credit through either direct instruction or the seat based models. ALC students are encouraged to participate in the activities at Austin High School. Eligibility for some activities is based on academic credits, so please check with the AHS Activities Office or Assistant Principal if you have questions regarding participation. Applications for the Area Learning Center are located on the website or in the Counseling Office.

Post-Secondary Enrollment Options

This option allows any eligible 11th or 12th grader to attend a Minnesota college (subject to college acceptance and meeting AHS criteria) at the expense of the state. Students will be granted credits toward their high school diploma for classes successfully completed at the college level. It is important that students check with the college of interest to ensure meeting the PSEO application deadline.

Students will need to meet the following AHS criteria to qualify for this opportunity:

1. Seniors in the upper 1/2 of their class rank.
2. Juniors in the upper 1/3 of their class rank.
3. Student must take the Accuplacer test and score at an appropriate level in Reading Comprehension.

The Accuplacer test is given at AHS one time per year, and students may take the test once per year with no fee. Students who do not meet the Reading Comprehension score may re-take the test at Riverland Community College and must pay the fee.

Students who do not meet these criteria may submit an appeal, in writing, to the Building Leadership Team.

Special Needs and Services

Students making use of Special Needs Programs and/or Special Services offered by AHS may register only after approval from their Case Manager. The Case Manager will discuss with the IEP team each student's individual needs and make recommendations on programs leading to graduation and success for the student. Students will take the appropriate level of special education courses and mainstream courses to best meet their individual needs. See the Special Education section for individual course descriptions.

EL (English Language) Learners

Students may qualify for ESL classes with the approval of the EL department. This program is for students whose first language is not English and whose English proficiency makes it difficult to perform in a mainstream class. Students are tested and may be placed in classes depending on individual needs. All ESL students also take some mainstream classes. All EL classes offer instruction in four content areas: speaking, reading, listening, and writing. See the EL section for individual course descriptions.

Career Planning

The staff at Austin High School is committed to providing an environment where students will learn the skills necessary to enter post-secondary education or workforce training programs ready to succeed. We recognize that students will need to be well rounded in their course work and experiences to be prepared after graduation from AHS. Listed below are suggestions of high school courses to take based on the careers students may pursue.

Planning Tips for Agricultural Careers:

- Ag courses are usually taken based on interest in different agricultural industries such as: animal agriculture, plant/horticulture/landscaping, natural resources/wildlife, etc.
- Agriculture is becoming more related to science every day. Courses such as physical science and biology will be helpful in ag courses.
- Many leadership and personal growth opportunities are available through the National FFA Organization.

Planning Tips for Art Careers:

- At the beginning of your high school career make sure to start taking the introductory courses to ensure a breadth of experience in all mediums.
- Suggested electives: Business, Family and Consumer Science, Language Arts

Planning Tips for Business Careers:

- Business and Marketing is a recommended course prior to taking others in the department.
- Take as many Business electives and participate in various internship opportunities.
- Suggested electives: World Language 3rd year or higher

Planning Tips for Family and Consumer Science (FACS) Careers :

- FACS is often a chosen course of study in Arts or Science with emphasis in a FACS field, like design or food science.
- Math and science courses would lead you into the science areas.
- Music, Art, and Language Arts courses would be helpful for areas of children's literature, fashion design and interior design.

Planning Tips for Language Arts Careers:

- Language study is often a chosen major for students pursuing graduate studies in several fields.
- Take as many Language Arts electives as will fit in your schedule, including more than 1 writing class, Lincoln Douglas, American Literature, and RCC Freshman English.
- Suggested electives: World Language courses (3rd year or higher)

Planning Tips for Mathematics Careers:

- AP Calculus and Physics are critical for engineering careers.
- AP Statistics is used in many careers (social sciences, business, political science, science, law, medicine)

Planning Tips for Music Careers:

- A career in music will be based on one of the four following within the industry; Music Performance, Music Business, Music Education, and Music Production.
- Suggested Courses/Electives: Band, Choir, Orchestra, and Ensemble are the core Music Performance of our classes. Business Courses, Digital Video Production, and core classes will enrich the other racks of the Music Industry

Planning Tips for Physical Education and Health Careers:

- Introduction to Foods, Baking and Patisserie, and Culinary Foods: These courses provide an excellent introduction to the study of nutrition.
- For students interested in pursuing Personal Training or being a Fitness Professional, Team Sports, Packer Fit Club, and Strength Training are essential.
- Suggested electives: Higher level science and math courses

Planning Tips for Science Careers:

- Anatomy and Physiology and AP Biology are important for medical and/or nursing careers.
- Physics and AP Calculus are critical for engineering careers.
- Small Animal Wildlife and Wildlife Management are excellent preparation for careers in the Department of Natural Resources.
- Suggested electives: World Language courses (3rd year or higher)

Planning Tips for Social Studies Careers:

- Social Studies courses provide skills needed for students to be successful and active citizens.
- Social Studies courses provide pathways to entry level jobs and careers needing advanced study and degrees.
- Take as many Social Studies electives as will fit in your schedule, Sociology, Psychology, Criminal Justice, and At Issue: Modern World Events.
- Suggested electives: World Language courses (3rd year or higher)

Planning Tips for Technology Education and Agriculture Careers:

- Math achievement is critical in this field.
- Technology Education classes provide a great opportunity to develop your work ethic in a workplace setting, while enhancing technical skills you will use for the rest of your life.
- Articulation scholarship certificates are available for juniors and seniors.
- Suggested electives: Business courses, World Language courses, Physics

Planning Tips for World Language Careers:

- Taking Spanish I through Spanish IV/V or French I through V will allow you to take a college placement exam where you may earn college credit.
- Consider taking the Spanish AP test in Spanish IV or V.
- Service Industries (medical, fire and law enforcement, retail, food service) note the importance of world languages. Being bilingual is a great skill to add to your resume.

Minnesota Programs of Study

The information on the site is intended to help students understand the combinations of courses currently available at each school that best prepare students for the education/career direction they would like to explore. This site is specifically designed as a general guide/tool in course selection and is specific to each school (we define the courses).

How to use this website (www.mnpos.com):

- Choose your high school (or another one if you are curious what others are doing)
- Click on a colored section of the career wheel that interests you if we have a pathway defined for AHS, there will be a number and a * next to the name. (Example: marketing, construction, etc.)
- Choose a pathway – there will be a * if we have a pathway defined
- View the course combinations suggested for that pathway
- Use these ideas as you design your schedule

Agriculture

Grade	Course Number	Course Title	Prerequisite	Credit
9-12	920101/920102	Intro to AFNR	None	1.0/year
9-12	920113	Small Animal Care & Mgmt.	None	.5/sem.
10-12	920103	Agriculture Issues and Leadership	None	.5/sem.
10-12	920111/920112	CASE: Animal Science (Offered 15-16, not offered 16-17)	None	1.0/year
10-12	920121	Landscaping	None	.5/sem.
10-12	920125	Wildlife Management	None	.5/sem.
10-12		CASE: Plant Science (Offered 16-17, NOT offered 15-16)	None	1.0/year
11-12	920201/202	CASE: Food Science	Biology, Animal Science, or Plant Science	1.0/year

Agriculture Issues and Leadership

(Experience & Development in Agri-Science)

Course #: 920103

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students will encounter leadership techniques that can make them successful in the future and identify their leadership styles & philosophies. Students will learn how to work in small and large groups through many group activities and projects. Students will also explore and discuss the hot topics within agriculture and focus on current agricultural issues that are presented and viewed within today's media and society.

Background for Success:

This course will allow students to investigate and share opportunities available in agricultural education and leadership. Students will develop interpersonal skills necessary for future success.

CASE: Animal Science (Offered 2015-16, not 2016-17)

Course #: 920111 / 920112

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: None

Course Description:

Animal Science is a course where students explore the world of animal agriculture and develop a management guide for an animal of their choice. Areas of study include history and domestication, handling and behavior, anat-

my and physiology, nutrition, reproduction, genetics, health, selection, and marketing.

Background for Success:

Students should have an interest in the animal agricultural industry and an understanding of basic science concepts

CASE: Food Science

Course #: 920201 / 920202

Grade(s) Offered: 11-12

Credit/Length 1 / year

Prerequisite: Biology, Animal Science, or Plant Science

Course Description:

Food Science is an upper level course within the field of Agriculture. Students will complete hands-on activities, projects, and problems that simulate actual concepts and situations found in the food science and safety industry, allowing students to build content knowledge and technical skills. Students will investigate areas of food science including food safety, food chemistry, food processing, food product development, and marketing. Research and experimental design will be highlighted as students develop and market a food product of their own creation.

Background for Success:

Students should have an interest in the food science industry and an understanding of basic science concepts.

Agriculture

CASE: Introduction to Agriculture, Food, and Natural Resources

Course #: 920101 / 920102

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: None

Course Description:

Introduction to Agriculture, Food, and Natural Resources is an introductory course designed to teach students about the world of agriculture. Woven throughout the course are activities to develop and improve employability skills of students through practical applications. Students will explore post-secondary and career opportunities in each area of the course. Students' experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics.

Background for Success:

Students should have a desire to learn about the agricultural industry which includes: animals, plants, food science, natural resources, wildlife, and FFA.

CASE: Plant Science (NOT offered 2015-16, offered 2016-17)

Course #:

Grade(s) Offered: 10-12

Credits/Length 1 / year

Prerequisite: None

Plant Science is intended to serve as a foundation course in the field of agriculture. Students will work in teams exploring hand-on projects and activities to learn the characteristics of plant science. They will also work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers. The knowledge and skills will be used in future courses within the CASE program.

Background for Success:

Students need an interest in the agricultural industry and an understanding of basic science concepts.

Landscaping

Course #: 920121

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students will explore careers in the landscaping industry and research the basics of plant and soil science. Students will discuss and demonstrate the sales process while identifying the principles of landscape design. Students will be given the opportunity to participate in landscape construction, modification, and maintenance project(s) as

well.

Background for Success:

Students should have a desire to learn more about the landscape industry and gain hands-on experiences through landscape projects.

Small Animal Care & Management

Course #: 920113

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students will learn various aspects of dog, cat, and rabbit animal care, identifying breeds of animals, and proper feeding/grooming techniques. Students will also explore numerous exotic pets and the cost to keep them in Minnesota. Students will also investigate the ever growing demand for jobs in the pet care industry and how to care for sick animals. Lastly, students will participate in the Small Animal Care Content sponsored by the FFA.

Background for Success:

This class is great for any student who owns a pet or is interested in a career with companion animals

Wildlife Management

Course #: 920125

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students will receive a foundation in the ways of managing wildlife with a strong emphasis on large wildlife mammals of Minnesota. The issues surrounding a safe and well managed harvest will serve as the central focus. Students will be provided a historical perspective, characteristics and life cycles, habitat needs, habitat management, benefits to communities and the agriculture industry. Students will be expected to be active learners throughout each instructional unit. Careers in wildlife will be investigated.

Background for Success:

Student should have a desire to learn more about MN wildlife, as well as basic science concepts.

Grade	Course Number	Course Title	Prerequisite	Credit
9-12	902401	Studio Art	None	.5/sem.
9-12	902431	Basic Drawing	None	.5/sem.
9-12	902432	Painting I (Formerly Drawing and Painting)	Basic Drawing	.5/sem.
10-12	902402	3-D Design	Basic Drawing or Studio Art	.5/sem.
10-12	902403	Adv. 3-D Design	3-D design	.5/sem.
10-12	902433	Painting II (Formerly Adv. Drawing and Painting)	Painting I	.5/sem.
10-12	902434	Adv. Drawing	Basic Drawing	.5/sem.
10-12	902501	Photography I	None	.5/sem.
10-12	902502	Photography II	Photography I	.5/sem.
10-12	910601	Digital Video Prod. I	Strong computer skills	.5/sem.
10-12	910602	Digital Video Prod. II	Digital Video Production I	.5/sem.
10-12	910621/910622	Channel 4 News	None	.5/sem.
12	910641/910642	Yearbook	Journalistic Writing or Digital Video Prod. I	.5/sem.

Visual art courses strive to improve skills in communication and to nurture innovative thinking, creativity, and problem solving. All courses in this section earn credit toward completing the Performing Arts credit, except Digital Video Production II.

3-Dimensional Design

Course #: 902402

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Basic Drawing or Studio Art

Course Description:

This course is ideal for the student who wants to pursue a more focused sculptural experience. The class will familiarize students with the fundamentals of sculpture, including various media mechanics and techniques. The physical properties of each medium and their relationship to design will be stressed so the student can successfully make a statement through the chosen media. This course is ideal for the student that wants to pursue a more focused sculptural experience.

Background for Success:

Student must be patient, goal oriented and have a keen eye for detail.

Advanced 3-Dimensional Design

Course #: 902403

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Basic Drawing or Studio Art, *and* 3-D design

Course Description:

This course places more attention on technical excellence and problems of composition. Students are assisted in developing more personalized sculptures. Sculpture styles are explored according to each student's interests and needs. Issues of art criticism and evaluation will help students to gain a better understanding of what happens in the creative process. Most materials will be provided by the art department.

Background for Success:

Students will need the willingness to experiment and learn new skills, as well as the energy and motivation to successfully complete projects.

Art

Advanced Drawing

Course #: 902434

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisites: Basic Drawing

Course Description:

This course is the next step for students who want to further enhance and develop advanced drawing skills with in depth technique and multiple medium use. Using the skills learned in Basic Drawing, students will be guided through a series of projects that will both challenge and energize the desire to create their own art masterpieces. This course will construct knowledge of art portfolios designed for college.

Background for Success:

Students will need good work habits, open minded attitude to push past their current abilities and explore in-depth techniques of 2-dimensional art. Each student will work at unlocking creative potential.

Basic Drawing

Course #: 902431

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is an introduction into the art of drawing and is highly recommended as a first course for 9th graders. Students will be afforded the opportunity to learn how to create 2-dimensional work with various types of pencils and charcoal. Students will become familiar with different media and modes to help you create beautiful works of art.

Background for Success:

Students should have patience, be goal oriented and have an eye for detail.

Channel 4 News

Course #: 910621 / 910622

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisites: Journalistic Writing or Dig. Video Prod. I

Course Description:

Students will have the opportunity to produce the Channel 4 News show and be involved in all aspects of the production. This may include filming, reporting, editing, directing, and anchoring the broadcast. Editing experience is helpful, but not required.

Background for Success:

A basic knowledge of video editing is helpful but not required. Students should be creative, self-directed, and able to work independently on news packages throughout the semester. They will be responsible for all aspects of

production and must meet the established broadcast deadlines.

Digital Video Production I

Course #: 910601

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Strong computer skills

Course Description:

Students will learn how to shoot video, capture, edit, and produce a variety of projects including news stories, a green screen project, commercials, public service announcements, a music video, and much more. A cumulative video portfolio will be created at the end of the semester.

Background for Success:

Students should be interested in Video Production and/or technology and be able to film outside of class hours. Because all work is completed in teams, the ability to work cooperatively is essential.

Digital Video Production II

Course #: 910602

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Digital Video Prod. I

Course Description:

This course will include two main units; advanced editing with Adobe Premiere Pro and computer animation using Toon Boom Studio. Students will refine skills, methods, and techniques learned in Video Production I. In the animation unit, students will produce their own original animated sequences and cartoons using TBS and graphics tablets.

Background for Success:

A basic knowledge of video editing is required prior to enrolling in this course. Students should be creative, self-directed, and able to work both independently and in groups.

Painting I (Formerly Drawing and Painting)

Course #: 902432

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: Basic Drawing

Course Description:

This is an introductory painting course with focus on color theory and color value. You will learn to paint with multiple mediums in multiple art styles ranging from acrylic, watercolor, and oil paintings.

Background for Success:

Student must be able to think outside the box while using different 2-dimensional materials.

Painting II (Formerly Adv. Drawing and Painting)

Course #: 902433

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisites: Basic Drawing and Painting I

Course Description:

This course is an advanced painting course with focus on color theory, color value, and self-exploration in the painting world. You will learn advanced painting skills with multiple mediums in multiple art style ranging from acrylic, watercolor and oil paintings.

Background for Success:

Students will need good work habits, open minded attitude to push past their current abilities and explore in-depth techniques of 2-dimensional art.

Photography I

Course #: 902501

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students will learn how to operate a 35mm SLR camera, develop film, and print traditional black and white prints in the darkroom. Manipulation of camera controls and lighting conditions will be taught, including enabling students to use photography as a creative outlet and expression of self. Students will learn how compositional techniques are used to grab a viewer's attention and add visual interest to an image. In addition, students will acquire the skills and language to analyze and critique their own work and the works of others. Lastly, students will learn about the history of photography and the impact that the development of the camera has had on modern culture. Knowledge gained may also be applied to digital photography.

Background for Success:

Students must have the ability to use time wisely, be self-motivated, and have a sincere desire to explore this medium for visual expression. Respect for equipment is essential.

Photography II

Course #: 902502

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Photography I

Students may repeat Photo II, if they earned an "A" the first time they take Photo II.

Course Description:

This course is designed for the highly motivated photography student who desires to develop their technical skills with the camera and challenge their creative thinking processes. Students will learn how to improve artistic and technical skills learned in Photo I by using a digital camera and digital processing. Advanced techniques and special processes will be demonstrated and assigned to create photographic projects that use a student's personal vision to convey a message. Students will use their artworks as springboards to develop an understanding of aesthetic analysis and to develop creative writing skills.

Background for Success:

Students should bring general knowledge of art elements and principles, photographic composition, how to operate an SLR camera in manual mode, be highly motivated and able to set and maintain personal work goals. A limited number of 35mm SLR cameras are available for personal use, but a personal camera is highly beneficial.

Art

Studio Art

Course #: 902401

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

Studio Art is designed to provide an introduction to a variety of art experiences for students wishing to explore the possibilities of art. Students will have production experiences with a variety of materials and techniques, which may include: drawing, painting, printmaking, graphics, ceramics and sculpture. The emphasis will be on developing ideas and themes for art projects that have meaning and expressive value for the artist/audience.

Background for Success:

Students will need strong work habits, a willingness to make good use of time, to put forth good effort into new experiences and patience with the whole process.

Yearbook – “Austinian”

Course #: 910641 / 910642

Grade(s) Offered: 12

Credits/Length: 1 / year

Prerequisites: Application is required

Course Description:

The Austinian Committee is responsible for preserving AHS history. Yearbook staffers will learn the principles of layout and design, research and write the yearbook, plan the various sections of the book, take photos of school activities, market and sell the product.

Background for Success:

Students must fill out an application with the yearbook advisor in order to be considered for the course. The ability to work independently, write and edit copy, take photographs outside of the school day, and adhere to a strict publication schedule are essential. Students must be self-directed and dedicated to creating a quality publication.

Business

Grade	Course Number	Course Title	Prerequisite	Credit
9	909311	Explorations: The Real World	None	.5/sem.
9-12	914201	Intro. To Bus. & Marketing	None	.5/sem.
10-12	914101/914102	Accounting	None	1.0/year
10-12	914203/914204	Marketing & Sales I	None	1.0/year
11-12	914205/914206	Management & Marketing-II Classroom	Intro. to Bus. & Marketing or Marketing & Sales I	1.0/year
11-12	914207/914208	Management & Marketing II- Internship	Intro. to Bus. & Marketing or Marketing & Sales I	1.0/year
12	914209	Mentorship	None	.5/sem.
12	917101/917102	Work based Learning-Seminar	Paid employment in the community avg. 12-15 hours per week	.5/sem.
12	917121/917122	Work Based Learning-OJT	Paid employment	.5/sem.

Accounting

Course #: 914101 / 914102

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: None

Course Description:

This is an essential course for any college-bound student thinking about studying business. Accounting is a means of expressing in clear, understandable, financial terms the results of complex operations of business. Students will learn basic skills, such as how to journalize, post to ledgers, and prepare financial reports. Other business-related topics covered include banking, payroll, taxes, inventory, depreciation, and careers in Accounting. Automated Accounting concepts are integrated throughout the course with special Accounting Software and Microsoft Excel. Junior and senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have basic computer skills and an interest in managing money.

Explorations: The Real World

Course #: 910101

Grade(s) Offered: 9

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is designed for students to explore and be exposed to a variety of CTE (Career and Technical Education). Content includes Business, Foods, Money Manage-

ment, Service Learning Projects, and Computer Technology.

Background for Success:

Basic skills such as listening, following directions, math and reading are beneficial.

Introduction to Business and Marketing

Course #: 914208

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course will provide students with an understanding of the economic environment in which we all live. Students will learn about how business meets consumer needs and wants, social responsibility, desirable business practices, entrepreneurship, and gain awareness of career opportunities in the field of business. Junior and senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have good work habits and willingness to explore how the business world functions.

Business

Management & Marketing II – Classroom

Course #: 914205 / 914206

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Business and Marketing or Marketing and Sales I

Course Description:

Students are introduced to today's critical business management concepts and principles through a variety of projects, decision-making exercises, and use of the textbook. Students will investigate functions of business to help them prepare for the real world. Leadership development can also be provided through membership in DECA, an association of marketing students. Junior and senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should know the basics of Marketing and be willing to complete real world projects.

experiences within a classroom setting. Students are also given the opportunity to participate in DECA. Junior and senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have good people skills and a willingness to show creativity in thinking about new products and ideas for business.

Management & Marketing II – Internship

Course #: 914207 / 914208

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Current enrollment in Marketing and Management II - Classroom

Course Description:

In Marketing & Management II Internship the student must be employed for a minimum of 10 hours per week in an approved training plan for employment in the area of business or marketing. The student will be evaluated by their employer quarterly. To participate in this class the student must be enrolled in Management & Marketing II.

Background for Success:

Students should be a responsible employee in a Marketing field and willing to work with their employer to develop their marketing skills.

Marketing & Sales I

Course #: 914203 / 914204

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: None

Course Description:

This course provides a basic foundation in the field of marketing. Marketing and Sales take students into an exploration of marketing, which includes: How Marketing Impacts Society, Marketing Research Process, Sales Strategies, E-Commerce, Product Development, Social Responsibility of Business, and Ethics in Marketing. Marketing is a course aimed at providing students with textbook knowledge, hands-on opportunities, and real-life

Business

Mentorship

Course #: 914209

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

Students will spend 35 hours throughout the semester with a mentor in their chosen career field. This course offers a unique opportunity for seniors to explore a career that you select and allows you to have a hands-on experience in that career. It will help you determine if that career is a good match before you pursue it in college.

Background for Success:

Students should have a specific interest in a profession. Students will need to be able to work independently and be well organized.

Work Based Learning - OJT

Course #: 917121 / 917122

Grade(s) Offered: 12

Credits/Length: 1 / year

Prerequisites:

Course Description:

Students must maintain a paid job whereby you receive a W-2 form and pay stub. Students must average 12-15 hours per week at that job. In the event that your job is lost due to seasonal work or if you were released from a job you will have to actively seek a job in a two to three week period of time. If a job is not secured you will stay in the seminar, but will not receive credit for OJT. At semester time you will be assigned another elective to replace your seminar. On-the-job training (OJT) is one of the best training methods because it is planned, organized, and conducted at the employee's worksite.

Background for Success:

Students should be responsible employees and willing to work with their employer to develop their job skills.

Work Based Learning - Seminar

Course #: 917101 / 917102

Grade(s) Offered: 12

Credits/Length: 1 / year

Prerequisites: Student must have a job in the community for an average of 12-15 hours per week

Course Description:

Regardless of your individual career and academic goals, all students share one important need: you must be prepared to succeed in the world of work. In this class, we will present valuable information, explore ideas, and develop skills and competencies that will help all of you get a head start in being successful in the workplace. Students will participate in activities in the following areas: career exploration, entrepreneurship, job search, workplace safety, workplace ethics, and personal finance.

Background for Success:

Students should be willing to continue to develop their work skills by working 12-15 hours per week and actively participating in activities and discussions in class.

English Language Learner

Grade	Course Number	Course Title	Prerequisite	Credit
9-12	907111/907112	EL Language Arts 9	Teacher recommendation	1.0/year
9-12	907135/907136	EL Language Arts 10	Teacher recommendation	1.0/year
9-12	907211/907212	EL Algebra	Teacher recommendation	1.0/year
9-12	907221/907222	EL Inter. Algebra	Teacher recommendation	1.0/year
9-12	907241/907242	EL Geometry	Teacher recommendation	1.0/year
9-12	907283/907284	EL Algebra Support	Teacher recommendation	1.0/year
9-12	907285/907286	EL Geometry Support	Teacher recommendation	1.0/year
9-12	907301/907302	EL Phys. Science	Teacher recommendation	1.0/year
9-12	907321/907322	EL Biology	Teacher Recommendation	1.0/year
9-12	907341/907342	EL Everyday Chemistry	Teacher recommendation	1.0/year
9-12	907402	EL US History I	Teacher recommendation	.5 / year
9-12	907451	EL Human Geography	Teacher recommendation	.5 / year

EL Algebra

Course #: 907211 / 907212

Grade(s) Offered: 9-12

Credits/Length: 1 elective credit/ year

Prerequisite: Student identified as LEP, Recommendation based on WaPT, Scantron Math, and ACCESS tests.

Course Description:

This course will emphasize linear equations, inequalities, graphing and writing equations, and systems. Additional topics could include a unit on each geometry, statistics and probability.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

EL Algebra Support

Course #: 907283 / 907284

Grade(s) Offered: 9-12

Credits/Length: 1 elective credit/ year

Prerequisite: Student identified as LEP, Recommendation based on WaPT, Scantron Math, and ACCESS tests.

Course Description:

This course is designed to provide support to students in their effort to meet the requirements of more rigorous mathematics courses. This course is taught concurrently with a student's regular math class for the purpose of learning strategies to help build a stronger foundation for success in their current and future mathematics courses. This course utilizes an online mathematical support program that allows the instructor to individualize the course to each student's needs.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

EL Biology

Course #: 907321 / 907322

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Student identified as LEP. Recommendation based on WaPT, Scantron, and/or ACCESS tests.

Course Description:

Students will gain a foundation in life sciences. Topics include the nature of science, characteristics of living things, energy cycling processes, cells, cell division, ecology, biochemistry, genetics, biological change over time, and the human body. This section of Biology is co-taught to provide students support in the development of academic English language skills and concepts of biology.

Background for Success:

Successful completion of Physical Science.

English as a Second Language

EL Everyday Chemistry

Course #: 907341 / 907342

Grade(s) Offered: 9-12

Credits/Length: 1 elective credit/ year

Prerequisite: Student identified as LEP, Recommendation based on WaPT, Scantron Math, and ACCESS tests.

Course Description:

This course is designed to provide support to students in their effort to meet the requirements of Algebra courses. This course is taught concurrently with a student's regular math class for the purpose of learning strategies to help build a stronger foundation for success in their current and future mathematics courses. This course utilizes an online mathematical support program that allows the instructor to individualize the course to each student's needs.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

EL Geometry

Course #: 907241 / 907242

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Recommendation based on Scantron Math scores and teacher recommendation

Course Description:

This geometry course gives you a strong background in applying algebraic principles while working with geometric figures such as lines, angles, polygons, circles, and spheres. This course is co-taught to provide students with support in academic language acquisition as well as support in mastering concepts of geometry. Whole class lessons are utilized as well as small group instruction. Students will practice the concepts taught in class by completing homework. Assessments consist of quizzes, chapter examinations, and end of semester final examinations.

Background for Success:

Successful completion of Algebra I.

EL Geometry Support

Course #:

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Recommendation based on Scantron Math scores and teacher recommendation

Course Description:

This course is designed to provide support to students in their effort to meet the requirements of Geometry courses. This course is taught concurrently with a student's regular

math class for the purpose of learning strategies to help build a stronger foundation for success in their current and future mathematics courses. This course utilizes an online mathematical support program that allows the instructor to individualize the course to each student's needs.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

EL Human Geography

Course #: 907451

Grade(s) Offered: 10

Credits/Length: 0.5/ semester

Prerequisite: Student identified as LEP. Recommendation based on WaPT, Scantron, and/or ACCESS tests.

Course Description:

This is a one-semester course in which students will study how humans impact the physical geography of the world and how the world's physical geography has influenced the development of human populations and their cultures. Students will study the political, cultural and economic patterns and distribution of humans on the earth's surface and discover the causes of these patterns.

Background for Success:

Students should have a basic knowledge of world geography and world history. Students should also have basic map reading skills and analysis skills.

EL Language Arts

Course #: 907111 / 907112

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Recommendation based on WaPT, ACCESS, and/or Scantron Reading scores and teacher recommendation

Course Description:

This course is a transition course for students who require additional language support to access grade-level English curriculum. LA 9 T is a co-taught class. Students will meet all 9th grade Language Arts Standards but additional emphasis will be placed on strategies to develop academic vocabulary, basic grammatical structure of English sentences, paragraphs, and essays; and increased reading comprehension.

Background for Success:

Students should be able to demonstrate reading, writing, listening, and speaking skills that are nearly at grade level proficiency.

English as a Second Language

EL Inter. Algebra

Course #: 907221 / 907222

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Recommendation based on Scantron Math scores and teacher recommendation

Course Description:

Inter. Algebra involves quadratic, exponential, radical, and rational functions. This class studies properties of exponents and polynomials. Probability and data analysis are also covered as well as the factoring of real numbers and polynomial expressions. This course is co-taught to provide students with support in academic language acquisition and increased understanding of algebraic concepts. Whole class lessons are utilized as well as small group instruction. Students will practice the concepts taught in class by completing homework. Assessment consists of quizzes, chapter examinations, and an end-of-semester final examination.

Background for Success:

The students should have an understanding of basic algebraic principles including solving equations, linear functions, systems of equations, and inequalities.

EL Physical Science

Course #: 907301 / 907302

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Student identified as LEP. Recommendation based on WaPT, Scantron, and/or ACCESS tests.

Course Description:

The physical science course includes relevant topics drawn from chemistry, physics and topics in earth and space science. Within the course, students will develop skills in problem-solving, deductive reasoning and collaborative learning. Topics that are integrated throughout the course include: scientific method, atomic structure, patterns in the periodic table, chemical equations, interaction between forces and motion, energy and its transfers, and Earth's systems within a dynamic universe. This Physical Science course is co-taught. Students are provided support in development of academic English language skills and science concepts.

Background for Success:

Student should understand the importance of education and be committed to learning.

EL United States History I

Course #: 907402

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: Student identified as LEP. Recommendation based on WaPT, Scantron, and ACCESS

Course Description:

This course surveys US history from the 15th Century through the Civil War. The students will identify the major themes in US history and explain their importance at each stage in development of the United States, its development of democratic principles and its role in the global community socially, economically, and politically.

Background for Success:

Students should have a basic knowledge of US history and be able to identify the difference between primary and secondary sources.

Family and Consumer Science

Grade	Course Number	Course Title	Prerequisite	Credit
9	910311	Explorations: The Real World	None	.5/sem.
9-12	909101	Introduction to Foods	None	.5/sem.
9-12	909201	Child Development	None	.5/sem.
9-12	909202	Working with Young Children	None	.5/sem.
10-12	909331	Interior Design	None	.5/sem.
10-12	909103	Baking and Patisserie	Intro to Foods	.5/sem.
10-12	909102	Foods: Culinary	Intro to Foods	.5/sem.
10-12	909302	Communication and Relationships (Not offered 2015-16, offered 2016-17)	None	.5/sem.
11-12	909210	Early Childhood Education Exp.	Child Development and Working with Young Children	.5/sem.
11-12	909321	Life Skills	None	.5/sem.

Baking and Patisserie

Course #: 909103

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Foods I

Course Description:

This course is designed for students to participate in advanced food selection and preparation. Students will learn food safety and sanitation practice as it relates to the food industry. Food science experiments will be conducted in the areas of baked goods, desserts, meat, and poultry. Cultural influences related to European and North American cuisines will be reflected. Lab experiences will include planning, preparing and serving foods as it relates to the listed areas of study. Competitions are available through National Restaurant Association at the State Level. This course is a part of the Articulation agreement* for college and works toward a National Restaurant certificate.

Background for Success:

Students need an understanding of basic measurements and equivalents, cooking terms and techniques, safety and sanitation practices. Good attendance with a willingness to explore foods from around the world is also beneficial.

Child Development (Formerly Working with Young Children I)

Course #: 909201

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is for a student with a strong interest in early childhood education and careers related to prenatal care, birth, babies, infants, and toddlers. Students will experience caring for a newborn baby by completing an "Infant Simulator" project. By taking Child Development AND Working with Young Children, and earning a "B" or better, the student may qualify for college credit through an articulation agreement.

Background for Success:

Student need to have a desire to learn about children from prenatal to toddler stages.

Communications and Relationships (NOT offered 2015-16, offered 2016-17)

Course #: 909302

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is designed to help students understand their emotions as well as the resulting effects of poor choices. Students will learn the power of enduring commitment, understand peer pressure, and learn what motivates males and females. Students will spend time discussing and considering who they want to be in their future.

Background for Success:

Students should be curious to learn why some relationships endure while others don't last.

Family and Consumer Science

Early Childhood Education Experience

Course #: 909210

Grade(s) Offered: 11-12

Credits/Length: 0.5 / semester

Prerequisite: Child Development and Working with Young Children

Course Description:

Students will have the opportunity to continue learning about children in the classroom and apply knowledge during an education experience working within schools and child care programs in the community. Students will need to arrange their own transportation to and from sites during the school day.

Background for Success:

Students should have an interest in working with children ages 2-5 and self-motivated.

Explorations –The Real World

Course #: 910311

Grade(s) Offered: 9

Credits/Length: .5 / semester

Prerequisite: None

Course Description:

This course is designed for students to explore and be exposed to a variety of CTE (Career and Technical Education). Content includes Business, Foods, Money Management, Service Learning Projects, and Computer Technology.

Background for Success:

Basic skills such as listening, following directions, math and reading are beneficial.

Foods: Culinary

Course #: 909102

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Foods I

Course Description:

This course is designed for students to participate in advanced food selection and preparation. Students will learn food safety and sanitation practice as it relates to the food industry. Food science experiments will be conducted in the areas of fruits, vegetables, and grains with a focus on breakfast foods and sandwiches. Cultural influences will be related to Asian, African and Middle Eastern and Latin American cuisines. Lab experiences will include planning, preparing and serving foods as it relates to the listed areas of study. Competitions are available through National Restaurant Association. This course is a part of the Articulation agreement* and works toward a National Restaurant certificate.

Background for Success:

Students need an understanding of basic measurements and equivalents, cooking terms and techniques, safety and sanitation practices. Good attendance and a willingness to explore foods from around the world are beneficial.

Interior Design

Course #: 909331

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

This course covers the study of residential interiors, elements and principals of design, color and architecture. This course provides .5 credit toward the Arts credit required for graduation.

Background for Success:

Students should have an interest in creative designs, particularly as they relate to their own room and lifestyle.

Introduction to Foods

Course #: 909101

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is designed for students to participate in basic food selection and preparation. Students will learn about food safety and sanitation practices, time management, cost comparison, nutrients and how they function in the body. While in labs, students will demonstrate their skills that reflect regional and cultural food choices.

Background for Success:

Basic reading and math skills, good attendance and a willingness to contribute and participate in group settings is important.

Family and Consumer Science

Life Skills

Course #: 909321

Grade(s) Offered: 11-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is designed to prepare students for their first year(s) away from home. Students will learn how to read a lease agreement, manage a checking account, recognize their responsibilities as a tenant, examine the legal responsibilities of turning 18, understand how to use credit wisely, understand the value of saving and insurance basics.

Background for Success:

Students should have basic math and reading skills, good attendance, and a willingness to explore, develop, and apply information to their own lives.

Working with Young Children (Formerly Working with Young Children II)

Course #: 909201

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is for the student with a strong interest in early childhood education and careers related to preschool and young school age children. Students should be ready to study, research and plan activities and experiences for young children. Topics include storytelling, music, puppetry, and art. If the student takes Child Development AND Working with Young Children, and earns a "B" or better, the student may qualify for college credit through an articulation agreement.

Background for Success:

Students need to have an interest in learning about working with and teaching young children.

Language Arts

Grade	Course Number	Course Title	Prerequisite	Credit
9	905101/905102	Language Arts 9T	Teacher recommendation	1.0/year
9	905121/905122	Language Arts 9	None	1.0/year
9	905141/905142	Honors Language Arts 9	None	1.0/year
9-12	905013/905014	Language Arts Support (2 hour block)	Teacher recommendation	1.0/sem.
10	905111/905112	Language Arts 10 T	Teacher recommendation	1.0/year
10	905131/905132	Language Arts 10	Language Arts 9 course	1.0/year
10	905151/905152	Honors Language Arts 10	Honors Lang. Arts 9 or Lang. Arts 9	1.0/year
11	905200	Modern Literature	None, meets literature requirement	.5/sem.
11	905201	American Literature	None, meets literature requirement	.1.0/sem.
11	905203/905204	AP English Literature	None, meets literature requirement	1.0/sem.
11	905223	Research Writing for College	None, meets writing requirement	.5/sem.
11	905229	Technical Writing	None, meets writing requirement	.5/sem.
11-12	905205	RCC Humanities	Must meet PSEO requirements, meets elective requirement	.75/sem.
11-12	905221/905222	Journalism	None, elective credit earned	.5/sem.
11-12	905224	RCC Freshman English	Must meet PSEO requirements, meets writing requirement	.75/sem.
11-12	905260	Creative Writing	None, meets elective requirement	.5/sem.
11-12	905262	Drama	None, meets elective requirement	.5/sem.
11-12	905263	Popular Culture (offered 2015-16, NOT offered 2016-17)	None, meets elective requirement	.5/sem.
11-12		Popular Novels (offered 2016-17, NOT offered 2015-16)	None, meets elective requirement	.5/sem.
12	905240	Interpersonal Skills	None, meets speaking requirement	.5/sem.
12	905242	Lincoln-Douglas Debate	None, meets speaking requirement	.5/sem.
12	905243	RCC Fundamentals of Speech	Must meet PSEO requirements, meets speaking requirement	.75/sem.

Students in grades 9 and 10 must take 2 full credits of Language Arts courses. Students must select a total of 2 credits to fulfill the Language Arts requirements in grades 11 and 12. Students must select courses from the following categories to meet the Language Arts standards.

Typically fulfill requirement in 11th grade...
 Literature Category 1/2 credit
 Writing Category (new for 11th grade) 1/2 credit

Typically fulfill requirement in 12th grade...
 Elective Category (new for 12th grade) 1/2 credit
 Speaking Category 1/2 credit

Language Arts

American Literature

Course #: 905201

Grade(s) Offered: 11

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

In American Literature, students will read, discuss and analyze early American literature in chronological order. Students will write essays analyzing the American literature studied, and read major works, including selections such as *The Crucible* or *The Scarlet Letter* or *The Great Gatsby*. Students will learn literary terms and analyze them in selected writings, and apply knowledge of these terms to unfamiliar writings. This course is designed for college-bound students.

Background for Success:

Students should come prepared to read, respond to, and critically analyze a variety of American authors.

AP English Literature

Course #: 905203 / 905204

Grade(s) Offered: 11

Credits/Length: 1 / year

Prerequisite: None

Course Description:

In Advanced Placement English Literature, students read and analyze several works of literary merit, including short stories, poems, dramas, and novels. Major works include novels such as *Oedipus Rex*, *Death of a Salesman*, *Hamlet* or *Othello*, *Native Son*, *Anthem*, *The Things They Carried*, *Heart of Darkness*, *Catcher in the Rye*, and *Beloved*. Significant emphasis is placed on writing both short and long essays in response to the literature, as students will also prepare for the AP College Board Exam. Because AP is rigorous in both its pace and content, students enrolling in the class should expect to independently seek help and support when needed.

Background for Success:

Students should be eager to accept the challenge of difficult coursework and an accelerated pace. They should be skillful readers and insightful discussants who are interested in analyzing and interpreting literature.

Creative Writing

Course #: 905260

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Creative Writing is an *elective* course in which students will develop skills needed to write various types of poetry, short stories, plays, responses to fine arts, children's stories, and journals. Students will engage in meaningful practice and exercises to help them develop techniques unique to each form. Students will read models of the various types of writing to help understand and visualize their own completed projects. Students will create a final copy portfolio of work consisting of polished poems, a short story, a one-act play, and responses to fine arts in various modes of writing.

Background for Success:

Students should have an understanding of sentence and paragraph structure. They must be willing to work independently and to write in a variety of creative prose and poetry genres.

Drama

Course #: 905262

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

This activity-oriented course provides an opportunity for students to experience many aspects of the dramatic arts: improvisation, oral interpretation, necessary and interpretive actions, blocking, play writing and analysis, set design, costume/make-up design, and performance. It will also contribute to the development of improved listening and speaking skills through group collaboration and performance.

Background for Success:

No prior theater experience is needed; however, mature students are more likely to be successful in this class. Exercises and expectations demand concentration, focus, commitment, and the ability to work cooperatively in group settings. Course requirements include active participation in daily class activities, completion of daily assignments and journals, commitment to out-of-class assignments, and a willingness to perform in front of an audience.

Language Arts

Honors Language Arts 9

Course #: 905141 / 905142

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: None

Course Description:

In Honors 9, students will enhance their reading, writing, and communication skills. They will also expand their vocabulary and knowledge of grammar and punctuation. Students will read, discuss, and analyze a variety of non-fiction selections, poems, short stories, *The Adventures of Huckleberry Finn*, *Things Fall Apart*, and *Romeo and Juliet*. In addition to reading and analyzing, students will write a variety of essays, complete a research project on the Shakespeare unit, compose a personal narrative, and participate in the VFW's Voice of Democracy Speech contest. Students will enhance their presentation skills through formal and informal presentations. The various writing units will help to prepare students for the MCA Grad Writing Test. The general expectation for this course is that students will apply their knowledge to other contexts. This rigorous course is designed for highly motivated, serious students capable of extending themselves beyond the normal high school curriculum.

Background for Success:

Students must be motivated to continue to improve their writing, and oral communication skills. They must be willing to accept academic and intellectual challenges. In addition, students are expected to participate fully in rigorous class activities, which may include classroom and small group discussion, peer and self-assessment and research.

Honors Language Arts 10

Course #: 905151 / 905152

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: Honors Language Arts 9 or Language Arts 9

Course Description:

In Honors Language Arts 10, students will enhance their reading, writing, and communication skills. They will expand their vocabulary and knowledge of grammar, mechanics, and usage. Students will read, discuss, and analyze a variety of nonfiction selections, poems, short stories, *Night*, *The Taming of the Shrew*, *The Grapes of Wrath*, *Lord of the Flies*, and *Of Mice and Men*. They will write a variety of essays, including the VFW's Voice of Democracy essay/speech contest, and use the research process. This rigorous course is designed for highly motivated, serious students capable of extending themselves beyond the normal high school curriculum.

Background for Success:

Students should be eager to accept the challenge of reading and discussion assignments up to 25 pages per night. Writing skills should include competent sentence and paragraph construction. Successful students strive for academic challenge and depth.

Interpersonal Skills

Course #: 905240

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

In Interpersonal Skills, students will study the communication process, including the roles both perception and nonverbal communication play in effective communication. Students will also practice accurate and effective listening strategies. Students are expected to actively participate and communicate with others as individuals and in both small and large group discussions; they are also required to give both formal and informal oral presentations in both small and large group settings.

Background for Success:

Students in this class must be committed to developing stronger skills in oral communication. They are expected to participate fully in the many class activities, which will include discussion, peer and self-assessment, and group projects. In addition, students must be prepared to deliver individual speeches on topics that will prepare them for their personal and professional futures: oral interpretations, introductions, and sales pitches, to name a few.

Journalism

Course #: 905221 / 905222

Grade(s) Offered: 12

Credits/Length: .5 / semester

Prerequisites: None

Course Description:

In Journalism, students will engage in the process of writing news stories for the *AHS Sentinel*. Students will improve communication skills by learning appropriate methods for interviewing sources for stories, understand the code of ethics and student press law for student journalists, and expand knowledge of language skills as they apply to grammar, mechanics, usage, and editing. Because the focus of the course is on the publication, students will also learn about newspaper layout, photojournalism, advertising, and the role of mass media.

Background for Success:

Students must be interested in newspaper and news writing and be willing to contribute to the class in a variety of aspects of newspaper production: writing, graphics, editing, layout, and ad sales. Students need to be able to meet deadlines for both daily and long-term assignments.

Language Arts

Language Arts 9

Course #: 905121 / 905122

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: None

Course Description:

In Language Arts 9, students will enhance their reading, writing, and communication skills. They will also expand their vocabulary and knowledge of grammar and punctuation. Students will read and analyze short stories, poetry, *Romeo and Juliet*, and *To Kill a Mockingbird*. In addition to reading and analyzing, students will write multiple 5-paragraph essays and complete a research project on the Shakespeare unit. The various writing units will help to prepare students for the MCA Grad Writing Test. The general expectation for this course is that students will apply their knowledge to other contexts.

Background for Success:

Students must be motivated to develop and improve their reading, writing, and oral communication skills. They must be willing to accept academic and intellectual challenges. In addition, students are expected to participate fully in class activities, which may include classroom and small group discussion, peer and self-assessment and research.

Language Arts 9 T

Course #: 905101 / 905102

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: Recommendation based on Scantron Reading scores and teacher recommendation

Course Description:

In Language Arts 9T, students will enhance their reading, writing, and communication skills. They will also expand their vocabulary and knowledge of grammar and punctuation. Students will read and analyze short stories, poetry, *Romeo and Juliet*, *To Kill a Mockingbird* (screenplay), and *Tangerine*. In addition to reading and analyzing, students will write multiple 5-paragraph essays and complete a research project on the Shakespeare unit. The various writing units will help to prepare students for the MCA Grad Writing Test. The general expectation for this course is that students will apply their knowledge to other contexts. This course is co-taught based on student needs.

Background for Success:

Students will develop reading, writing, and oral communication skills. They must be willing to accept academic challenges. In addition, students are expected to participate in all classroom discussions and maintain consistent effort with in-class work.

Language Arts 10

Course #: 905131 / 905132

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisites: Language Arts 9 or Language Arts 9 T

Course Description:

In Language Arts 10, students will engage in activities aimed at enhancing reading, writing, and communication skills. Students will read, discuss, and analyze a variety of nonfiction selections, poems, short stories, dramas, and novels to help prepare students for the MCA II Grad Reading Test. Students will also work on language skills to expand vocabulary and enhance understanding of grammar, mechanics, and usage in an effort to prepare them for writing essays for a variety of purposes.

Background for Success:

Students must be consistent in their efforts to improve reading, writing, and oral communication skills. Students are expected to participate in both small and large group discussions and activities as well as demonstrate the ability to conduct research for large, comprehensive assignments and essays.

Language Arts 10 T

Course #: 905111 / 905112

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: Recommendation based on Scantron Reading scores and teacher recommendation

Course Description:

Students in Language Arts 10T will strengthen their reading, writing, and communication skills. They will expand their vocabulary and knowledge of grammar, mechanics, and usage. Students will read, discuss, and analyze a variety of nonfiction selections, poems, short stories, the play *Fences*, and the novels *Night* and *Of Mice and Men*. They will write for a variety of purposes and use the research process. This class will prepare students for the MCA II Grad Reading Test. This course is team-taught based on student needs.

Background for Success:

Students will continue to develop reading, writing, and oral communication skills. Students are expected to participate in both small and large groups and use organizational skills to maintain consistent effort with in-class work.

Language Arts

Language Arts Support

Course #: 905013 / 905014

Grade(s) Offered: 9-12

Credits/Length: 1 / semester (2 hour block)

Prerequisite: Recommendation based on Scantron Reading scores and teacher recommendation

Course Description:

This course uses the Read 180 Next Generation program. Read 180 is an intensive reading program for students who are reading below grade level. Designed to meet the needs of older struggling readers, Read 180 provides individualized instruction through teacher-directed lessons, adaptive software, age-appropriate nonfiction and fiction texts, and data-driven differentiation. This class will prepare students for the MCA II Grad Reading Test.

Background for Success:

Students must be motivated and willing to work to improve their reading and writing skills. Student must be mature enough to function successfully during independent work time. Students must come with the attitude that they are responsible for their own learning.

Lincoln-Douglas Debate

Course #: 905242

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

In Lincoln-Douglas, students will meet their speech requirement by studying this organized debate format. Students will become more persuasive speakers and better thinkers through studying the foundations of effective communication; learning to discuss controversial ideas in an organized, intelligent manner; and researching topics of current interest. Students will present several formal and informal speeches.

Background for Success:

Students should be interested in formulating, writing, analyzing and presenting arguments on topics of current interest. Cooperation and teamwork are essential.

Modern Literature

Course #: 905200

Grade(s) Offered: 11

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

In Modern Literature, students will read, discuss, and analyze modern short stories, poems, drama, and novels. Students will learn literary terms and analyze them in selected writings, and apply knowledge of these terms to

unfamiliar writings. This course is designed for students who plan to attend a vocational school.

Background for Success:

Students should come to Modern Literature prepared to read, respond to, and critically analyze a variety of authors from the 20th century to the present.

Popular Culture (offered 2015-16, NOT offered 2016-17)

Course #: 905263

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is an interdisciplinary investigation of relationships between American life and popular culture. Students will engage in topics that include: music, advertising, entertainment television/film, print media (magazines), social networking, broadcast news. Themes covered will include: Stereotypes, sports/celebrity, politics.

Background for Success:

Students should be interested in examining popular culture and understanding how it reflects the attitudes and behavior of our society. Students should be able to work well with others and be active participants in large and small group discussions.

Popular Novels (NOT offered 2015-16; offered 2016-17)

Course #:

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Students in Popular Literature will read six novels in a variety of genres (horror, war, sci-fi, adolescent literature, criminal justice/law, mystery, western, adventure, romance, outdoors, and/or fantasy).

Background for Success:

Students should be enthusiastic about reading and discussing popular literature. Students should be able to work well with others and be active participants in large and small group discussions.

Language Arts

RCC Freshman English

Course #: 905224

Grade(s) Offered: 11-12

Credits/Length: 0.75 / semester

Prerequisite: Student must meet PSEO requirements

Course Description:

RCC Freshman English is a contract college course in which students will develop skills needed to write in narrative, descriptive, informative, and persuasive modes. Students will study models of each type of writing and write reactions to the models. Students will also engage in peer feedback on each mode. They will also study vocabulary from Greek and Latin word roots.

Background for Success:

Students are expected to have a thorough understanding of sentence and paragraph structure. Students should be self-driven, willing to analyze writing, and have motivation to meet established deadlines.

RCC Fundamentals of Speech

Course #: 905243

Grade(s) Offered: 12

Credits/Length: 0.75 / semester

Prerequisites: Student must meet PSEO requirements

Course Description:

In RCC Fundamentals of Speech, students will learn the skills necessary for successful public communication, including audience analysis, research and organization, delivery techniques, and speaking ethics. Students will prepare and deliver a variety of speeches, such as informative, persuasive, oral interpretation, and group discussion.

Background for Success:

Students must be motivated to develop and improve their oral communication skills. They must be willing to accept academic and intellectual challenges. In addition, students are expected to participate fully in class activities, which include discussion, research, and peer- and self-evaluation.

RCC Library Sources

Course #: 905225

Grade(s) Offered: 12

Credits/Length: 0.75 / semester

Prerequisites: Students must meet PSEO requirements,

RCC Freshmen English

Course Description:

In this course, emphasis is placed on students being able to use credited academic sources as evidence in research based writing using proper citation guidelines. The MLA and APA citation styles will be the focus for all papers submitted. Students are expected to be critical of all

sources, and they are expected to have the writing skills of a traditional college student. Part of the course will also focus on proper formatting of an academic research essay.

Background for Success:

Students need strong writing and research skills.

RCC Humanities I

Course #: 905205

Grade(s) Offered: 11-12

Credits/Length: 0.75 / semester

Prerequisite: Student must meet PSEO requirements

Course Description:

RCC Humanities I is a survey course that focuses attention on architecture, art, and music of ancient civilizations through those of the Renaissance period; an emphasis is placed on the literature crafted throughout this time period. Students will analyze literary works and demonstrate previously learned English skills to write essays and journal responses. Students will also be expected to participate in both large and small group discussions. Because this is a college level course, students are expected to consult additional resources for support when needed.

Background for Success:

Students are expected to accept academic and intellectual challenges as the reading material is challenging. Students are expected to actively participate in discussions and critically analyze the evolution of society through literature, architecture, art, and music.

Research Writing for College

Course #: 905223

Grade(s) Offered: 11

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Research Writing for College is a course designed for college-bound students; its emphasis is on preparing students for writing at a collegiate level. In this course, students will gain research skills expected of college students and write several research based essays in which they will demonstrate writing as a process. Emphasis will be placed on thesis development, note taking strategies and organization, bibliography writing, and proper source citation. Students will also enhance language skills as related to grammar, mechanics, and usage.

Background for Success:

Students should have a solid understanding of sentence and paragraph structure. They must be willing to thoroughly investigate writing topics through research and have quality organizational skills.

Language Arts

Technical Writing

Course #: 905229

Grade(s) Offered: 11

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Technical Writing is designed to help students interested in improving their technical reading and writing skills. These skills pertain to those students planning a career in a technical field or entering the workforce immediately after high school. Students will learn a variety of technical writing skills, including instructions, definitions, descriptions, formal and informal reports and presentations, business letters, and how to implement correct style and format. Part of the course will focus on building language skills as related to grammar, mechanics, and usage.

Background for Success:

Students should be interested in learning the methods of technical communications used in various academic disciplines and professions.

Mathematics

Grade	Course Number	Course Title	Prerequisite	Credit
9	911061/911062	Algebra	Teacher Recommendation	1.0/year
9	911103/911104	Intermediate Algebra T	Teacher Recommendation	1.0/year
9	911121/911122	Intermediate Algebra	None	1.0/year
9-12	911011/911012	Math Support	Teacher recommendation	.5/sem.
9-10	911201/911202	Geometry	Non-Lin. Algebra course	1.0/year
9-10	911211/911212	Advanced Geometry	Non-Lin. Algebra course	1.0/year
10-12	911301/911302	Algebra II	Geometry course	1.0/year
10-12	911321/911322	Honors Algebra II	Geometry course	1.0/year
10-12	910661	Computer Science	Algebra II concurrently or beyond	.5/sem.
11-12	911401/911402	Pre-Calculus	Algebra II course	1.0/year
11-12	911421/911422	Honors Pre-Calculus	Algebra II course	1.0/year
12	911441/911442	AP Calculus AB	Pre-Calculus course and teacher recommendation	1.0/year
12	911461/911462	AP Calculus BC	Pre-Calculus course and teacher recommendation	1.0/year
12	911521/911522	AP-Stats and Functions	Pre-Calculus course	1.0/year
12	911561/911562	College Algebra Prep	Algebra II	1.0/year

Advanced Geometry

Course #: 911211 / 911212

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisites: Advanced Algebra (Ellis) or teacher recommendation

Course Description:

This course gives you a strong background in the types of mathematical reasoning and problem solving that will prepare you for future math courses. Students will develop skill in reasoning and problem solving strategies using geometric properties of lines, angles, triangles, circles, and other geometric concepts to solve real-world problems. This course will differ from Geometry in two ways. First, many of the ideas which will be postulated (accepted without proof) in Geometry will be proved. Second, topics will be expanded and done at a much more rigorous pace.

Background for Success:

Students should have the ability to solve linear equations and quadratic equations, solve systems of equations, graph linear and quadratic equations, visualize objects and understand area and perimeter, understand and work with ratio and proportions.

Algebra

Course #: 911061 / 911062

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: Teacher Recommendation

Course Description:

This course will emphasize linear equations, inequalities, graphing and writing equations, and systems. Additional topics could include a unit on each geometry, statistics and probability.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

Mathematics

Algebra II

Course #: 911301 / 911302

Grade(s) Offered: 10-11

Credits/Length: 1 / year

Prerequisite: Geometry

Course Description:

In Algebra II, students will solve a wide range of equations and inequalities algebraically and graphically, represent data and use various measures of data to draw conclusions and identify trends, write equations and graph relations, and use trigonometry to solve problems.

Background for Success:

Students should have the ability to solve multistep equations and inequalities, graph linear equations and inequalities, set up and solve word problems, and multiply and factor polynomials.

AP Calculus AB

Course #: 911441 / 911442

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Honors Pre-Calculus or Pre-Calculus and teacher recommendation

Course Description:

AP Calculus is a rigorous college level course. In this course students will review elementary functions and explore topics in differential and integral calculus.

In May, students may choose to take the AB Calculus exam. Depending on your score, college may grant you college credit for this course.

Background for Success:

Students should be familiar with coordinates and graphs in the plane; slope and equations for lines; relations, functions and their graphs; geometric transformations; solving equations and inequalities algebraically and graphically; and trigonometric functions. Students will need a graphing calculator.

AP Calculus BC

Course #: 911461 / 911462

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Honors Pre-Calculus or Pre-Calculus and teacher recommendation

Course Description:

AP Calculus BC is currently being offered through PSEO and will be reassessed as a course to be taught at AHS to align with student need. Students interested in taking AP Calculus BC should register for this course to ensure time in their schedule to complete the course.

Background for Success:

Students should have a strong Pre-Calculus background.

AP Statistics and Functions

Course #: 911521/ 911522

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Pre-Calculus

Course Description:

AP Statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Background for Success:

Ability to solve equations, inequalities, and systems of equations; represent and solve real-world problems using equations/geometric diagrams. A strong understanding of exponential arithmetic.

College Algebra Prep

Course #: 911561 / 911562

Grade(s) Offered: 12

Credits/Length: 1 / year

Prerequisites: Algebra II

Course Description:

This course is designed for student who have completed the coursework required for graduation but who would benefit from additional coursework in Algebra 2, Geometry, Statistics, and Trigonometry. Additional work in these topics helps prepare students for a first year college math course commonly known as College Algebra. The topics in this course will be chosen from the MN Mathematics Standards.

Background for Success:

Students should be able to simplify rational expressions, solve rational equations and solve systems of linear and nonlinear equations; represent real world problem situations using variables and/or geometric models and solve polynomial equations. Graphing calculator recommended but not required.

Mathematics

Computer Science

Course #: 910661

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisites: Enrolled in Algebra II concurrently or beyond

This course will provide a solid foundation for computer related careers such as Computer Programming, mathematics, engineering and natural sciences. Emphasis will be on gaining knowledge of computer systems, variables, expressions, input-output, conditionals, object oriented programming, and simple recursion. By the end of the course, students will have a foundation to application building.

Background for Success:

Students should enjoy working with computers and have a desire to work independently on programming concepts. Comfort with mathematics skills and solving mathematical problems is helpful.

Geometry

Course #: 911201 / 911202

Grade(s) Offered: 9-10

Credits/Length: 1 / year

Prerequisites: Non-Linear Algebra

Course Description:

This geometry course gives you a strong background in the types of mathematical reasoning and problem solving that will prepare you for future math courses. You will have a chance to develop your skill in reasoning and problem solving strategies using geometric properties of lines, angles, triangles, circles, and other geometric concepts to solve real-world problems.

Background for Success:

Students should have the ability to solve linear equations and quadratic equations, graph linear and quadratic equations, visualize objects and understand area and perimeter.

Honors Algebra II

Course #: 911321 / 911322

Grade(s) Offered: 9-11

Credits/Length: 1 / year

Prerequisite: Honors Geometry or Geometry and Teacher Recommendation

Course Description:

This course is for students who have a strong interest in advanced math. In Honors Algebra II, students will cover topics in greater depth and at a faster pace than Algebra II students. Students will solve a wide range of equations and inequalities algebraically and graphically, represent data and use various measures of data to draw conclusions

and identify trends, write equations and graph relations, and use trigonometry to solve problems.

Background for Success:

Students should have the ability to solve multistep equations and inequalities, graph linear equations and inequalities, set up and solve word problems, and multiply and factor polynomials.

Honors Pre-Calculus

Course #: 911421 / 911422

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Honors Algebra II or Algebra II and teacher recommendation

Course Description:

Honors Pre-Calculus offers a general review and expansion of topics from Honors Geometry and Honors Algebra II. This is also a preparatory course for AP Calculus or other college level math courses. In this course, students will cover topics in greater depth and at a faster pace than pre-calculus students. Students will explore all types of functions, study trigonometry to a greater depth, use math to solve application problems, and begin studying limits.

Background for Success:

Ability to simplify rational expressions, solve rational equations, and solve systems of linear and non-linear equations; represent real world problem situations and use various theorems and methods to solve polynomial equations.

Intermediate Algebra T

Course #: 911103 / 911104

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisites: Recommendation based on Scantron Math scores and teacher recommendation

Course Description:

This course is team-taught based on student needs. In Non-Linear Algebra T, students will work with non-linear functions and equations and data analysis and statistics. This course is team-taught based on student needs.

Background for Success:

Knowledge of whole numbers and proficiency of place value, factors and multiples; ability to solve problems with percent's, ratios, order of operations and integers; understand area and perimeter.

Mathematics

Intermediate Algebra

Course #: 911121 / 911122

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisites: Linear Algebra

Course Description:

In Non-Linear Algebra, students will work with non-linear functions and equations and data analysis and statistics.

Background for Success:

Knowledge of whole numbers and proficiency of place value, factors and multiples; ability to solve problems with percent's, ratios, order of operations and integers; understand area and perimeter.

equations; represent real world problem situations and use various theorems and methods to solve polynomial equations.

Math Support

Course #: 911011 / 911012

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Recommendation based on Scantron Math scores and teacher recommendation

Course Description:

This course is designed to provide support to students in their effort to meet the requirements of more rigorous mathematics courses. This course is taught concurrently with a student's regular math class for the purpose of learning strategies to help build a stronger foundation for success in their current and future mathematics courses. This course utilizes an online mathematical support program that allows the instructor to individualize the course to each student's needs.

Background for Success:

Students should possess the desire to learn math concepts that have traditionally given them trouble. Persistence and the ability to work somewhat independently would also help.

Pre-Calculus

Course#: 911401 / 911402

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Algebra II

Course Description:

Pre-Calculus offers a general review and expansion of topics from Geometry and Algebra 2. This is also a preparatory course for AP Calculus or other college level math courses. In this course, students will explore all types of functions, study trigonometry to a greater depth, and use math to solve application problems.

Background for Success:

Ability to simplify rational expressions, solve rational equations, and solve systems of linear and non-linear

Music

Grade	Course Number	Course Title	Prerequisite	Credit
9-12	902121/902122	Concert Band	8th grade band or teacher approval	1.0/year
9-12	902201/902202	Mixed Choir	8th grade choir or teacher approval	1.0/year
9-12	902301/902302	Prep Orchestra	8th grade orchestra or teacher approval	1.0/year
10-12	902131/902132	Symphonic Band	Audition or teacher approval	1.0/year
10-12	902141/902142	Wind Ensemble	Audition or teacher approval	1.0/year
10-12	902221/902222	Treble Choir	Audition with teacher	1.0/year
10-12	902241/902242	Concert Choir	Audition with teacher	1.0/year
10-12	902321/902322	Concert Orchestra	Prep orchestra or teacher recommendation	1.0/year
10-12	902341/902342	Symphony Orchestra	Audition with teacher	1.0/year
11-12	902011	Advanced Music I	Enrolled in band, choir, or orchestra classes	.5/sem.
11-12	902012	Advanced Music II	Enrolled in band, choir, or orchestra classes	.5/sem.

Advanced Music I and II

Course #: 902011 / 902012

Grade(s) Offered: 11-12

Credits/Length: 05 / semester

Prerequisite: Currently enrolled in band, choir, or orchestra

Adv. Music I- Offered Semester I

Adv. Music II-Offered Semester II

Course Description:

This course will prepare students for college-level music by emphasizing advanced study of music history and theory. History topics will span from antiquity to present, including discussions of the great composers, with an emphasis on compositional technique. Musicianship will be developed through intermediate and advanced music theory lessons, ear training activities, and sight singing drills. Students will also prepare projects on topics of their choosing, such as period performance practice, composition/arranging, and the use of music notation software. Advanced Music I is offered first semester, with Advanced Music II offered second semester, including AP Music Theory testing. This class is for those who want to increase their ability to sight-read and analyze sophisticated musical excerpts.

Background for Success:

Successful students will have experience in music classes playing an instrument or singing in choir. They may have a desire to pursue a career in music and a desire to understand the theory and history of music.

Concert Band

Course #: 902121 / 902122

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: 8th Grade Band or Teacher Approval

Course Description:

This is a yearlong course. It is open to all students in grades 9-12 with previous experience on a band instrument. This is a non-auditioned ensemble that gives continued emphasis to the development of musicianship and basic skills through a large and varied repertoire of appropriate band level literature. Students in Concert Band must attend regular lessons as well as participate in a minimum number of Pep Band and Marching Band activities, as described in the AHS Band Handbook. Periodically there are special events, rehearsals, or concerts during non-school hours. Participation in such activities is an essential extension of the course requirements. This course can be repeated.

Background for Success:

Students should demonstrate superior rehearsal habits, excellent breath support, clarity and consistency of tone and timbre, the ability to confidently sight read, playing in tune, and a willingness to perform and practice outside of class.

Music

Concert Choir

Course #: 902241 / 902242

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Audition for 10-12 grade students with advanced choral experience

Course Description:

Concert Choir is a yearlong course structured for 10th, 11th, and 12th grade students who have previous choral experience and have advanced to a higher level of performance. Students will continue to use the singing voice in a healthy and productive manner. Students will sing a variety of styles of choral music in four through eight part choir music. Students will study more advanced levels of reading and interpreting music. Students will perform in at least five concerts during the school year to include Big 9 Music festival. Students will sing with partners and small groups in lessons and in class. Students will have an opportunity to perform in solo/ensemble contests. Students may participate in field trips to include an extended field trip every third year.

Background for Success:

Students should demonstrate intermediate level sight-singing skills, excellent self-discipline in rehearsals, good tone production and breath support. Students need to have participated in a beginning and/or intermediate level choir at AHS or an equivalent school. **Enrollment is based on Audition.**

Concert Orchestra

Course #: 902321 / 902322

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Prep Orchestra or Teacher Recommendation

Course Description:

Concert Orchestra is a yearlong course. A high level of performance is emphasized. An advanced level of playing techniques and theory are presented. A variety of musical literature is performed. There are four required concerts during the year. Students will have as many as three lessons/playing tests per quarter. A trip is taken every third year.

Background for Success:

Students should demonstrate excellent rehearsal habits and etiquette. Students need to demonstrate solid skills on one's instrument. Student need to have at least 5 years of Austin Public School Orchestra experience or Director's approval to participate in Concert Orchestra.

Mixed Choir

Course #: 902201 / 902202

Grade(s) Offered: 9 or 10-12

Credits/Length: 1 / year

Prerequisites: Recommendation of music teacher or no choir experience

Course Description:

Mixed Choir is a yearlong course structured for 9th grade students with or without choir experience or 10th, 11th and 12th grade students who have not sung in choir before. Students will learn to use the singing voice in a healthy and productive manner. Students will sing a variety of styles of choral music in three and four part music. Students will perform in at least four concerts during the school year. Students will sing with partners and small groups in lessons.

Background for Success:

Students should enjoy singing and have a desire to improve their singing as an individual and as part of the ensemble. Students should have a willingness to work on tone production, breath support and sight singing skills as a part of their experience. Past choral experience is not a requirement but is desirable.

Prep Orchestra

Course #: 902301 / 902302

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: 8th Grade Orchestra or Teacher Approval

Course Description:

Prep Orchestra is a training ensemble for Concert Orchestra and yearlong course. Fundamentals of musical literature and theory are stressed. There are four required performances throughout the year. Opportunities for advanced players are available in Chamber Orchestra. Students will have as many as three lessons/playing tests per quarter.

Background for Success:

Students should demonstrate solid rehearsal habits and etiquette. Students need to demonstrate solid and developing skills on one's instrument. Students need to have 4 years of Austin Public School Orchestra experience or Director's approval to participate in Prep Orchestra.

Symphonic Band

Course #: 902341 / 902342

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Audition

Course Description:

This course is a yearlong course. It is a selective instrumental ensemble open to all students in grades 9-12 who meet a minimum performance requirement as determined by the director. This is an auditioned ensemble that gives continued emphasis to the development of musicianship and intermediate skills through a large and varied repertoire of appropriate band level literature. Students must attend regular lessons during the school day (or before or after school) as well as participate in a minimum number of Pep Band and Marching Band activities, as described in the AHS Band Handbook. Along with Wind Ensemble, Symphonic Band takes a major travel/performance tour every three years. Periodically there are special events, rehearsals, or concerts during non-school hours. Participation in such activities is an essential extension of the course requirements. This course can be repeated.

Background for Success:

Students should demonstrate superior rehearsal habits, excellent breath support, clarity and consistency of tone and timbre, the ability to confidently sight read, playing in tune, and a willingness to perform and practice outside of class.

Symphony Orchestra

Course #: 902341 / 902342

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Audition

Course Description:

Symphony Orchestra is a yearlong course. The highest level of performance is emphasized. An advanced level of playing techniques and theory are presented. A variety of musical literature is performed. Required performances include four concerts, Big 9 Music festival, and Graduation. Students will have as many as three lessons/playing tests per quarter. A trip is taken every third year.

Background for Success:

Students should demonstrate superior rehearsal habits and etiquette. Students need to demonstrate a high level of technical mastery on one's instrument to participate in Symphony Orchestra. **Audition is required to participate in Symphony Orchestra.** Please contact the Director to set up an audition time.

Treble Choir

Course #: 902221 / 902222

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Audition for 10-12th grade girls with previous choral experience

Course Description:

Treble Choir is a yearlong course structured for 10th, 11th and 12th grade girls who have previous choral experience. Students will continue to use the singing voice in a healthy and productive manner. Students will sing a variety of styles of choral music in two, three, and four part treble choir music. Students will review the basics of reading and interpreting music. Students will perform in at least four concerts during the school year. Students will sing with partners and small groups in lessons and in class. Students will have an opportunity to perform in solo/ensemble contests. Students may participate in field trips to include an extended field trip every third year.

Background for Success:

10-12 grade women should demonstrate beginning level sight-singing skills, good self-discipline in rehearsals, developing tone production and breath support. Students should have beginning level choir experience at AHS or an equivalent school, or; an audition and approval by the instructor

Wind Ensemble

Course #: 902141 / 902142

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: 1 year of Concert or Symphonic Band

Course Description:

This is a yearlong course. It is a highly-selective band open to students in grades 10-12 as determined by the director through a competitive audition process. This is an auditioned ensemble that gives continued emphasis to the development of musicianship and advanced skills through a large and varied repertoire of appropriate band level literature. Wind Ensemble represents Austin High School at the Big 9 Music Festival and, along with Symphonic Band, takes a major travel/performance tour every three years. Periodically there are special events, rehearsals, or concerts during non-school hours. Participation in such activities is an essential extension of the course requirements. This course can be repeated.

Background for Success:

Students should demonstrate superior rehearsal habits, excellent breath support, clarity and consistency of tone and timbre, the ability to confidently sight read, playing in tune, and a willingness to perform and practice outside of class.

Physical Fitness and Health

Grade	Course Number	Course Title	Prerequisite	Credit
9	908201	Foundations of Personal Fitness	None	.5/sem.
9-12	908101	Health	None	.5/sem.
10-12	908221	Strength Training (and 908228 if 2 semesters are desired)	Found. Of Personal Fitness	.5/sem.
10-12	908223	Packer Fit Club	Found. Of Personal Fitness	.5/sem.
10-12	908225	Team and Individual Sports	Found. Of Personal Fitness	.5/sem.

Foundations of Personal Fitness

Course #: 908201

Grade(s) Offered: 9

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

Foundations of Personal Fitness creates opportunities for students to engage in physical activities. The activities include fitness activities as well as some sports as they relate to physical fitness. Students will learn how to get fit and stay fit for a lifetime. Some of the activities include weightlifting, yoga, pilates, aerobics, kickboxing, fitness walking, jogging, soccer, Ultimate Frisbee, full court basketball, team handball, and Razzle Dazzle Football.

Recommended Background for Success:

Students should be willing to participate in fitness activities and some team and individual sports. Students should be prepared to wear workout clothes for hygiene and safety issues.

Health

Course: 908101

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

This course is designed to teach beneficial knowledge and skills that encourage students to think critically about how the decisions they make will affect their lives today and in the future. Conflict resolution, goal setting, decision making, accessing information and stress management are some of the health skills taught to help students maintain and improve all aspects of their health. Students will apply these skills to identify responsible behaviors related to wellness, suicide prevention, nutrition, alcohol, drugs, tobacco, human sexuality, and other health related concepts.

Background for Success:

Students should have effective study skills and be able to manage their time effectively. They should also be willing to participate in small and large group class activities.

Packer Fitness Club

Course #: 908223

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Foundations of Personal Fitness

Course Description:

Packer Fit Club is intended for students who like more of a fitness class type of workout. Students will participate in the following activities: aerobics, step-aerobics, kickboxing, fitness walking, yoga, Pilates, and muscle toning/exercises. The main focus in class will be the health and skill related fitness components and how to achieve healthy fitness levels in all areas. Students will study fitness principles in relation to the 5 health related fitness components, learn how to use pedometers, learn about nutrition, and study general human anatomy. Students will participate in 2 cardio days per week, 2 muscle toning days per week, and 1 yoga/Pilates day per week. This course can be taken more than once.

Background for Success:

Willingness to participate in daily physical activities such as yoga, Pilates, and aerobics. Students will need to change into workout clothes and shoes daily for safety.

Physical Fitness and Health

Strength Training

Course #: 908221

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester (for 2 semesters of

Strength Training, also register for 908228)

Prerequisites: Foundations of Personal Fitness

Course Description:

Strength Training is for students interested in developing strength, power, endurance, flexibility, agility, and speed. Each student will work toward individual goals based on their fitness pre-test scores. Activities will include weight lifting and cardiovascular endurance exercises such as running and plyometrics. Students will study general fitness, anatomy, program design, and body composition. The typical week will be 3-4 days in the weight room and 1-2 days of running activities in the gym. Because this course *can be taken multiple times*, each student develops an individualized fitness program to meet their fitness. This course can be taken more than once.

Background for Success:

Students should have a desire to improve muscle strength, body composition, and over-all athleticism. Students should be prepared to wear workout clothes for hygiene and safety issues.

Team and Individual Sports

Course #: 908225

Grades Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Foundations of Personal Fitness

This class is for students who want to participate in individual and team sports. This course will review fitness related concepts and sport skills learned in Foundations of Personal Fitness in addition to objectives focused on strategy based game play, rules and sportsmanship of team and individual sports. Activities may include football, ultimate Frisbee, tennis, badminton, basketball, volleyball, and team handball. This course can be taken more than once.

Recommended Background for Success:

Completion of Foundations of Personal Fitness. Willingness to participate in daily physical activity. Students will need to change into workout clothes and shoes daily for safety.

Science

Grade	Course Number	Course Title	Prerequisite	Credit
9	913111/913112	General Science	None	1.0/year
9	913101/913102	Physical Science	None	1.0/year
9-10	913221/913222	Honors Biology	Physical Science or ICT/IPT	1.0/year
10	913201/913202	Biology	Foundations of Science or Physical Science	1.0/year
10-12	913301/913302	Chemistry	Algebra II or concurrent enrollment in Algebra II with instructor approval	1.0/year
10-12	913321/913322	Honors Chemistry	Biology	1.0/year
10-12	913401/913402	Physics	Algebra II or concurrent enrollment in Algebra II with instructor approval	1.0/year
10-12	913441/913442	AP Physics I	Honors Chemistry	1.0/year
10-12	913241/913242	AP Biology	Biology and Chemistry or Teacher recommendation	2.0/year
11-12	913511/913512	Anatomy and Physiology	Biology and Chemistry or Honors Biology with concurrent enrollment in Honors Chemistry	1.0/year
11-12	913303/913304	Everyday Chemistry	Biology	1.0/year

Anatomy and Physiology

Course #: 913511 / 913512

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Biology and Chemistry or Honors Biology with concurrent enrollment in Honors Chemistry

Course Description:

Anatomy is the study of body structure, while physiology is the study of body functions. This course is great preparation for students planning to take AP Biology, as well as students planning to pursue college coursework in the sciences. Class time is spent working in small teams to build and explain models, complete computer animations, analyze case studies and complete laboratory work, including a cat dissection. Outside of class, students need to complete text work, prepare for labs, and review.

Background for Success:

A solid understanding of concepts in Chemistry and Biology.

Course Description:

The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course for majors. An emphasis is placed on problem solving and analytical skills. In class, students work in a team-based format to build and explain models, complete inquiry exercises, analyze case studies, and complete labs. Outside of class, students complete textbook assignments and laboratory write-ups, watch online mini-lectures, and collaborate electronically with classmates. This course includes an internship experience with local professionals in the sciences.

Background for Success:

A solid understanding of concepts in Chemistry and Biology.

AP Biology

Course #: 913241 / 913242

Grade(s) Offered: 11-12

Credits/Length: 2 / year (2 hour block)

Prerequisites: Biology and Chemistry or Teacher recommendation

AP Physics I

Course #: 913441 / 913442

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: 2 years of high school science or 1 year of high school science and Alg. II or above math skills

Course Description:

This course is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Students will be eligible to take the AP Physics I exam for college credit.

Background for Success:

A strong background in math and problem-solving skills.

Biology

Course #: 913201 / 913202

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisites: Physical Science

Course Description:

In Biology, students will complete laboratory activities and text work to gain a solid foundation in the basic concepts of biology, the study of life. Topics covered are the nature of science, characteristics of living things, energy cycling processes such as photosynthesis and cell respiration, cells, cell division, ecology, biochemistry, genetics, biological change over time, and the human body.

Background for Success:

An understanding of the basic concepts in physical science.

Chemistry

Course #: 913301 / 913302

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Algebra II or concurrent enrollment in Algebra II with instructor approval

Course Description:

This course will cover traditional chemistry concepts. Topics include chemical formulas and reactions, stoichiometry, acids and bases, solutions, chemical laboratory practices and procedures. The course will include frequent mathematics problem solving. It is recommended for students who plan any further post-secondary education with science requirements.

Background for Success:

Algebra and problem solving skills.

Everyday Chemistry

Course #: 913303 / 913304

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Biology

Course description:

Learn about chemistry as it relates to everyday life. Topics will include chemical laboratory safety and procedures, organic chemistry, biochemistry, environmental chemistry, and industrial chemistry with less emphasis on the quantitative problem solving found in the general chemistry and Honors chemistry courses. This course is conducted in a hybrid format. Instruction time will be divided between independent online and the traditional classroom setting to promote active independent learning.

Background for Success:

An understanding of basic Physical Science and Biology concepts.

General Science

Course #: 913111 / 913112

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisites: None

Course Description:

This course is an introductory high school science class. This class will cover basic concepts in using scientific method to solve problems, understanding laboratory instruments, the metric system and basic units of measurement, heat and energy, forces and motion, properties of matter. Other units in Earth and Space science and biology may also be included. This class will take a hands-on and minds-on approach. We will be doing many lab experiments, activities, and other work.

Background for Success:

An understanding of science concepts.

Science

Honors Biology

Course #: 913221 / 913222

Grade(s) Offered: 9-10

Credits/Length: 1 / year

Prerequisites: Physical Science or ICT/IPT

Course Description:

This course is a study of biology, with an emphasis on biology topics at macro and micro level of organization. The concepts that are covered include ecology – abiotic and biotic factors, environmental issues, biochemistry, the cell, membranes, metabolism, enzymes, photosynthesis, respiration, molecular basis of inheritance, genetics, cell division, patterns of inheritance, genetics, bioethics, animal and plant behavior, and some human biology.

This course is designed for students interested in having a more rigorous college-preparatory biology experience.

All students enrolled in a biology class will take MCA with an emphasis in life science in May.

Background for Success:

A solid understanding of the basic concepts in physical science and/or science reasoning.

Honors Chemistry

Course #: 913321 / 913322

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Biology

Course Description:

As a Honors course, this is designed for the student looking for a greater challenge and the presentation of additional material. It is expected that the student opting for this class is self-disciplined, self-directed, and motivated to learn the material both in class and as an independent learner. Topics covered include chemical formulas and reactions, stoichiometry, acids and bases, solutions, chemical laboratory practices and procedures. The course will include frequent mathematics problem solving. It is recommended for students who plan any further post-secondary education with science requirements.

Background for Success:

Strong algebra and problem solving skills.

Physical Science

Course #: 913101 / 913102

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: None

Course Description:

This physical science course includes relevant topics drawn from chemistry, physics and topics in earth and space science. Within the course, students will develop skills in problem-solving, deductive reasoning and collaborative learning. Topics that are integrated throughout

the course include: scientific method, atomic structure, patterns in the periodic table, chemical equations, interaction between forces and motion, energy and its transfers, and Earth's systems within a dynamic universe.

Background for Success:

Students should be taking Inter. Algebra or Geometry and prepared to participate in class.

Physics

Course #: 913401 / 913402

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Algebra II or concurrent enrollment in Algebra II with instructor approval

Course Description:

This lab centered course is designed to give both a conceptual and mathematical understanding of the world around you. Algebra and trigonometry will be used throughout this course as it explores a wide range of physics topics including Newtonian mechanics, rotational dynamics, electricity, waves and optics. The class also focuses on solving a variety of challenging problems and developing higher level analytical problem solving and lab based skills.

Background for Success:

Strong algebra/Geometry and problem solving skills.

Social Studies

Grade	Course Number	Course Title	Prerequisite	Credit
9	915203/915204	World History	None	1.0/year
9	915223/915224	Honors World History	None	1.0/year
10	915102	US History I	World History	.5/sem.
10	915122	AP US History I	Honors World History	.5/sem.
10	915225	Human Geography	World History	.5/sem.
10	915226	AP Human Geography	Honors World History	.5/sem.
10-12	915401	Criminal Justice	None	.5/sem.
10-12		Psychology (NOT offered 15-16; offered 16-17)	None	.5/sem.
10-12	915403	Sociology (offered 15-16; NOT offered 16-17)	None	.5/sem.
10-12	915404	At Issue: Modern World Events	None	.5/sem.
11-12	915141/915142	US History II	US History I, Human Geography	1.0/year
11-12	915161/915162	AP US History II	Honors courses	.5/sem.
11-12	915222	RCC Modern World History	Must meet PSEO requirements	.75/sem.
12	915301	American Government	Global Insights or RCC course	.5/sem.
12	915302	Economics	Global Insights or RCC course	.5/sem.
12	915321	RCC/AP American Government and Politics	Must meet PSEO requirements	.75/sem.
12	915322	RCC Micro Economics	Must meet PSEO requirements	.75/sem.

American Government

Course #: 915301

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisites: Global Insights

Course Description:

This course is a study of the United States national government in all of its aspects with special emphasis placed on constitutional theory, major governmental institutions, and the national political culture and practice. This study will be cover Constitutional Underpinnings of United States Government; Political Beliefs and Political Behaviors; Political Parties, Interest Groups, and Mass Media; Institutions of National Government; Public Policy; Civil Rights and Civil Liberties.

Background for Success:

Students should have basic knowledge of United States governmental institutions and procedures (e.g., Congress, President, Courts, elections, etc.) Students should also have basic knowledge of the historical foundations of the United States of America.

AP Human Geography

Course #: 915226

Grade(s) Offered: 10

Credits/Length: .5/ semester

Prerequisites: Honors World History

Course Description:

This is a one-semester course in which students will study how humans impact the physical geography of the world and how the world's geography has influenced the development of populations and their cultures. Students will study the political, cultural and economic patterns, distribution of humans on the earth's surface and discover the causes of these patterns. Students will complete a summer reading assignment and a research project on Austin, MN for this course. The class concludes with an exam at the end of the year prepared by the College Board, which, if passed, may result in college credit.

Background for Success:

Students should be ready to accept the challenge of an Advanced Placement course, with advanced reading and writing. They should have world history and basic map reading skills and be able to analyze and interpret geographic information.

Social Studies

AP US History I (Year I)

Course #: 915122

Grade(s) Offered: 10

Credits/Length: 0.5 / semester

Prerequisite: World History or Honors World History

Course Description:

Advanced Placement United States History offers a general survey of United States History since the 15th century through the Civil War. The course is designed to provide an overview of U.S. History. Students will learn to assess historical materials-their relevance to a given interpretive problem, their reliability and their importance-and to weigh the evidence and interpretations presented in historical scholarship. Extensive reading, writing, and study skills useful in college will be emphasized. The class concludes with a college level exam at the end the year prepared by the College Board, which, if passed, may result in college credit.

Background for Success:

Students should be ready to accept the challenge of an Advanced Placement course. Students should be advanced readers and writers and be able to analyze and interpret historical documents.

AP US History (Year II)

Course #: 915161 / 915162

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: United States History I or AP United States History (year I)

Course Description:

Advanced Placement United States History offers a general survey of United States History since the 15th century, with most of the focus on the time period 1865-present. The course is designed to provide an overview of U.S. History. Students will learn to assess historical materials-their relevance to a given interpretive problem, their reliability and their importance-and to weigh the evidence and interpretations presented in historical scholarship. Extensive reading, writing, and study skills useful in college will be emphasized. The class concludes with a college level exam at the end the year prepared by the College Board, which, if passed, may result in college credit.

Background for Success:

Students should be ready to accept the challenge of an Advanced Placement course. Students should be advanced readers and writers and be able to analyze and interpret historical documents.

At Issue: Modern World Events

Course #: 915404

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

At Issue: Modern World Events is a one semester elective course. This course is designed to examine current issues in the world. Students will examine modern issues and events, explain the history behind the modern issues and events, predict how these issues and events may impact the future, and will use GIS (Geographic Information Systems) to analyze information. Students will be expected to discuss and debate current topics, complete projects and assignments, and work independently and in groups.

Background for Success:

Students should have background knowledge of world history and geography. Students should be willing to participate in class discussions and debates. Students should be able to process information and provide an analysis, argument and/or viewpoint in oral and written formats.

Criminal Justice

Course #: 915401

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

The Criminal Justice course is a one-semester elective course that offers a general survey of the American Criminal Justice System. Students will examine the history, function, and organization of crime, the police, the courts, and corrections. Students will be expected to discuss and debate topics in criminal justice, complete projects and assignments, and work independently and in groups.

Background for Success:

Students should be able to process information and provide an analysis, argument and/or viewpoint in oral and written formats.

Social Studies

Economics

Course #: 915302

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisites: None

Course Description:

This high school social studies semester course reviews the basic principles and methods of economics. These principles & methods are then applied to the micro-economy, the macro-economy and the global economy. In addition, personal finance issues are addressed.

Background for Success:

Students should understand that the United States' economy is a mixed economy (with public and private ownership of businesses.) Students should have a basic knowledge of markets (meeting places of buyers and sellers) and the concept of supply and demand.

Honors World History

Course #: 915223 / 915224

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: None

Course Description:

The Honors World History course is a two-semester course that offers a general survey of World History from the development of civilization to the present. This course will focus on three major themes: political/diplomatic history, intellectual/cultural history, and socio-economic history. Students will learn to analyze historical evidence and historical interpretation and how to use their analysis to answer historical questions. Extensive reading, writing, and study skills useful in college will be emphasized.

Background for Success:

Students should have a basic knowledge of World History and geography. Students should be able to identify the difference between primary and secondary sources.

Human Geography

Course #: 915225

Grade(s) Offered: 10

Credits/Length: 0.5 / semester

Prerequisite: World History or Honors World History

Course Description:

This is a one-semester course in which students will study how humans impact the physical geography of the world and how the world's physical geography has influenced the development of human populations and their cultures. Students will study the political, cultural and economic patterns and distribution of humans on the earth's surface and discover the causes of these patterns.

Background for Success:

Students should have a basic knowledge of world geography and world history. Students should also have basic map reading skills and analysis skills.

Psychology (NOT offered 2015-16; offered 16-17)

Course #:

Grade(s) Offered: 11-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

The Psychology course is a one-semester elective course that offers students with the opportunity to learn about themselves and human behavior by seeking answers to all sorts of questions including how we think, feel and act. Students will be able to investigate a variety of questions such as why you kick your leg just before you sleep and if hypnosis works. Students will also learn how animals at Sea World are trained. In Psychology, students will study behavioral psychology, the developing person, sensation and perception, states of consciousness, learning and intelligence, motivation and emotion, psychological disorders and stress and health.

Background for Success:

Students should be able to process information and provide an analysis, argument and/or viewpoint in oral and written formats.

RCC/AP American Government and Politics

Course #: 915321

Grade(s) Offered: 12

Credit/Length: 0.75 / semester

Prerequisite: Student must meet PSEO requirements

Course Description:

This concurrent three-credit semester course is a study of the United States national government in all of its aspects with special emphasis placed on constitutional theory, major governmental institutions, and the national political culture and practice. This study will be divided into six specific units: Constitutional Underpinnings of United States Government; Political Beliefs and Political Behaviors; Political Parties, Interest Groups, and Mass Media; Institutions of National Government; Public Policy; Civil Rights and Civil Liberties.

Background for Success:

Students should have basic knowledge of United States governmental institutions and procedures and also have basic knowledge of the historical foundations of the United States of America. Students should be ready to accept the challenge of a college course.

Social Studies

RCC/AP Human Geography

Course #: 915221

Grade(s) Offered: 11 -12

Credits/Length: 0.75 / semester

Prerequisites: Student must meet PSEO requirements.

Enrollment in RCC/AP Modern World History

Course Description:

This concurrent three-credit semester class studies the effects humans have had on the earth as well as the spatial patterns of human occupation of the earth. Students will study world cultures and the patterns they have made on the earth's surface and discover the causes of these patterns. The students will also study the economic theories that shape our world and its spatial patterns as well as how the physical geography of the world affects the spatial distribution of the world's population. Students will complete a summer reading assignment and a research project on Austin, MN for this course. Those students who successfully complete this course will earn high school, college credit and can attempt college credit by passing a test.

Background for Success:

Students should have a basic knowledge of world geography and world history. Students should also have basic map reading skills and analysis skills. Students should be ready to accept the challenge of a college course. Students should be able to read at a college level.

RCC Modern World History

Course #: 915222

Grade(s) Offered: 11-12

Credit/Length: 0.75 / semester

Prerequisite: Student must meet PSEO requirements. Enrollment in RCC/AP Human Geography.

Course Description:

This concurrent three-credit semester class surveys world history from the late nineteenth-century to the present. It focuses on the decline of European global domination, the world wars, the Cold War, "Third World" liberation movements, and the rise of non-European powers. Students will be expected to do college level work. Those that successfully complete this course will earn high school and college credit.

Background for Success:

Students should have a basic knowledge of world history and world geography. Students should be ready to accept the challenge of a college course. Students should be able to read at a college level and be able to analyze and interpret historical documents.

RCC Micro Economics

Course #: 915322

Grade(s) Offered: 12

Credit/Length: 0.75 / semester

Prerequisite: Student must meet PSEO requirements

Course Description:

This concurrent three-credit semester course reviews the basic principles and methods of economics. These principles and methods are then applied to demand and consumer choice, product markets, factor (resource) markets, and the world economy.

Background for Success:

Students should understand that the United States' economy is a mixed economy (with public and private ownership of businesses.) Students should have a basic knowledge of markets (meeting places of buyers and sellers) and the concept of supply and demand. Students should be ready to accept the challenge of a college course. Students should be able to read at a college level. how social factors influence our individual choices, perspectives, and relationships. This course will start by laying a foundation of the basics of sociology, culture, and socialization; while the second half of the course will focus on applying that knowledge to specific issues such as race, gender, religion, social class, and deviance. By the end of this course you should walk away with a new way of viewing the world, social structure, and your place in society.

Social Studies

Sociology (Offered 2015-16; NOT offered 16-17)

Course #: 915403

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

Why do people commit crimes? What causes poverty? What are the effects of racism? Why is something that is “normal” in one culture taboo in another culture? Sociology is the study of society. It is the science of trying to understand how social factors influence our individual choices, perspectives, and relationships. This course will start by laying a foundation of the basics of sociology, culture, and socialization; while the second half of the course will focus on applying that knowledge to specific issues such as race, gender, religion, social class, and deviance. By the end of this course you should walk away with a new way of viewing the world, social structure, and your place in society.

Background for Success:

Students should be able to process information and provide an analysis, argument and/or viewpoint in oral and written formats.

US History I

Course #: 915102

Grade(s) Offered: 10

Credits/Length: 0.5 / semester

Prerequisite: World History

Course Description:

This course offers a general survey of US history from the 15th Century through the Civil War. The students will identify the major themes in US history and explain their importance at each stage in development of the United States, its development of democratic principles and its role in the global community socially, economically, and politically.

Background for Success:

Students should have a basic knowledge of US history and be able to identify the difference between primary and secondary sources.

US History II

Course #: 915141 / 915142

Grade(s) Offered: 10

Credits/Length: 0.5 / semester

Prerequisite: World History

Course Description:

United States History II is a two-semester course that offers a general survey of United States history from Reconstruction to the present. The students will identify the major themes in United States history and explain their

importance at each stage in development of the United States. The students will gain a sense of understanding of experiences and influences that have helped shape the United States, its development of democratic principles and its role in the global community socially, economically, and politically.

Background for Success:

Students should have a basic knowledge of US history and be able to identify the difference between primary and secondary sources.

World History

Course #: 915203 / 915204

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: None

Course Description:

World History is a two-semester course that offers a general survey of World History from ancient times to modern times. The students will study events, people and ideas of the past and be able to explain the impact they had on shaping the world they live in today.

Background for Success:

Students should have a basic knowledge of World History and geography. Students should be able to identify the difference between primary and secondary sources.

Special Education

Grade	Course Number	Course Title	Prerequisite	Credit
Language Arts				
9	919201/919202	Skills Language Arts 9T	IEP team recommendation	1.0/year
9-12	919105/919106	Essentials of Language Arts C	IEP team recommendation	1.0/year
9-12	919111/919112	Essentials of Reading Comprehension	IEP team recommendation	2.0/year
9-12	919305/919306	Functional Language Arts C	IEP team recommendation	1.0/year
10	919211/919212	Skills Language Arts 10T	IEP team recommendation	1.0/year
Mathematics				
9-12	919121/919122	Essentials of Consumer Math	IEP team recommendation	1.0/year
9-12	919123/919124	Essentials of Algebra Concepts	IEP team recommendation	1.0/year
9-12	919223/919224	Skills Inter. Algebra T	IEP team recommendation	1.0/year
9-12	919345/919346	Functional Math C	IEP team recommendation	1.0/year
10-12	919125/919126	Essentials of Geometry	IEP team recommendation	1.0/year
10-12	919127/919128	Essentials of Algebra Concepts II	IEP team recommendation	1.0/year
Phy. Ed. And Health				
9-12	919409/919410	Functional Adaptive PE	IEP team recommendation and teacher approval	1.0/year
10-12	919131/919135	Essentials of Health and Phy. Ed.	IEP team recommendation	1.0/year
Science				
9	919241/919242	Skills Physical Science	IEP team recommendation	1.0/year
9-12	919141/919142	Essentials of Physical Science	IEP team recommendation	1.0/year
9-12	919365/919366	Functional Science C	IEP team recommendation	1.0/year
10	919243/919244	Skills Biology	IEP team recommendation	1.0/year
10-12	919143/919144	Essentials of Biology	IEP team recommendation	1.0/year
11-12	919147/919148	Essentials of Everyday Chemistry	IEP team recommendation	1.0/year
11-12	919247/919248	Skills Everyday Chemistry	IEP team recommendation	1.0/year
Social Studies				
9	919269/91970	Skills World History	IEP team recommendation	1.0/year
9-12	919169/919170	Essentials of World History	IEP team recommendation	1.0/year
9-12	919385/919386	Functional Social Studies C	IEP team recommendation	1.0/year
10-12	919162	Essentials of US History I	IEP team recommendation	.5 /year
10-12	919171	Essentials of Human Geography	IEP team recommendation	.5 / year
10-12	919262	Skills US History I	IEP team recommendation	.5 /year
10-12	919271	Skills Human Geography	IEP team recommendation	.5 / year
11-12	919163/919164	Essentials of U.S. History II	IEP team recommendation	1.0/year

Special Education

Grade	Course Number	Course Title	Prerequisite	Credit
11-12	919263/919264	Skills US History II	IEP team recommendation	1.0/year
12	919267	Skills Am. Government	IEP team recommendations	1.0/year
12	919268	Skills Economics	IEP team recommendations	1.0/year
Transition and Work 9-12	919181/919182	Essentials of Transition	IEP team recommendation	1.0/year
9-12	919191/919192	Essentials of Job Skills- Phase 1	IEP team recommendation	1.0/year
9-12	919421/919422	Functional Job Skills -Phase 1	IEP team recommendation	1.0/year
9-12	919483/919484	Functional Transitions	IEP team recommendation	1.0/year
9-12	919489/490	Ess. Of Skills Training	IEP team recommendation	1.0/year
10-12	919193/919194	Essentials of Job Skills- Phase 2	IEP team recommendation	2.0/year
10-12	919195/919196	Essentials of Job Skills- Community Experience	IEP team recommendation	1-2/year
10-12	919423/919424	Functional Job Skills- Phase 2	IEP team recommendation	2.0/year
10-12	919425/919426	Functional Job Skills– Commu- nity Experience	IEP team recommendations	1-2/year
12	919405/406	Functional Job Skills Training II (ATP students only)	IEP team recommendation	1.0/year
12	919481/919482	Austin Transition Program	IEP team recommendations	3.0/year
12	919485/919486	Functional Transition Program	IEP team recommendations	3.0/year

The courses offered through the Special Education Department seek to meet student need through two models. First, we offer resource room classes (Essentials) which provide students with small class sizes and specific instruction working toward the goals on their Individual Education Plan (IEP). Secondly, we support students within the general education classes through a co-teaching model (Skills). In this setting, a special education teacher and general education teacher are teaching the course and providing one-on-one attention, re-teaching, and/or making accommodations and modifications when necessary.

Austin Transition Program (ATP)

Course #: 919381 / 919382

Grade(s) Offered: 12 +

Credits/Length: 3 credits / year (meets in a 3 hour block)

Prerequisite: Entrance determined by IEP team, need to meet criteria on Transition Checklist and apply Course Description:

Students in the ATP will work for a portion of their day at Cedar Valley Services or another community job, while the other part of the day the students will learn about college life, community events, volunteer opportunities, participate in various job site visits/tours, continue to review/learn: budgeting, career planning, resume writing, cover letters, etc. through the use of technology and authentic projects. They will also continue to improve social skills and learn about current events, driver's education, and daily living skills. This course is held off-campus.

Background for Success:

The student needs to be able to show appropriate social/behavior skills and handle oneself in the community, navigate a building without putting oneself in harm, carry on a verbal reciprocal conversation, and follow set expectations or instructions.

Special Education

Essentials of Algebra Concepts

Course #: 919123 / 919124

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Essentials of Algebra Concepts students will work on MN algebra standards such as, understanding expressions, formulas, basic number concepts, algebraic fractions, ratio, proportion, and percent. They will also work on solving expressions, understanding real numbers, solving inequalities and graphing.

Background for Success:

Students need to have fluency in basic math facts, follow multi-step procedures, and have a need for a slower paced classroom instruction.

Essentials of Algebra Concepts II

Course #: 919127 / 919128

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

In this course, students will solve a wide range of equations and inequalities algebraically and graphically, represent data and use various measures of data to draw conclusions and identify trends, write equations and graph relations, as well as use some trigonometry to solve problems.

Background for Success:

Students should have taken a class in Algebra 1 previous to this course. Students need to be able to follow a multi-step procedure to solve a math problem, be fluent in math facts, graph points on a quadrant plane, and know how to complete operations on a calculator.

Essentials of Biology

Course #: 919143 / 919144

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Essentials of Biology will cover topics including characteristics of living things, cells, genetics, biological change over time, the human body, and ecology.

Background for Success:

Students should have a basic understanding of science concepts. Students should also be able to look up and apply information and a basic understanding of scientific method and graph reading. They should have an ability to interact with their peers and complete simplistic lab activities while following instructed safety procedures.

Essentials of Consumer Math

Course #: 919121 / 919122

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description: Students will work on basic math

skills in the following areas: Calculator Use, Earning Money, Buying Food, Shopping for Clothes, Managing a Household, Buying and Maintaining a Car, Working with Food, Improving a Home, Traveling, Budgeting Your Money, Banking and Investing, Paying Taxes, and Preparing for Careers.

Background for Success:

Students should be able to add, subtract, multiply, and divide single-digit numbers without the use of a calculator and have the ability to understand higher order thinking.

Essentials of Everyday Chemistry

Course #: 919147 / 919148

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course will teach chemistry as it relates to everyday life. Topics will include: lab safety, organic chemistry, biochemistry, environmental chemistry, and industrial chemistry. It will cover the standards required for the course but in a format that meets the individual needs of the students.

Background for Success:

Students should have a basic understanding of their own environmental impact, the effects of population on the environment, renewable and non-renewable resources and basic ecological processes.

Essentials of Geometry

Course #: 919125 / 919126

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Need to have taken Algebra 1 concepts

Course Description:

Students in Essentials of Geometry will work on MN geometry standards such as measuring and constructing points, lines, angles, understanding transversals, determining congruency and triangular relationships. They will also construct polygons, parallelograms, understand ratios and proportions, and determine relationships in circles.

Background for Success:

Students should have an understanding of applying geometric formulas, be able to solve a multi-step equation, basic arithmetic and show fluency in applying skills to word problems.

Special Education

Essentials of Human Geography

Course #: 919171

Grade(s) Offered: 10-12

Credits/Length: 0.5/ semester

Prerequisite: Entrance determined by IEP team

Course Description:

This course will study the basics of how humans impact the physical geography of the world and how the world's physical geography has influenced the development of human populations and their cultures. Students will study the political, cultural and economic patterns and distribution of humans on the earth's surface and discover the causes of these patterns.

Background for Success:

Students show a need for a slower-paced presentation of materials and a smaller classroom environment.

Essentials Job Skills-Phase I

Course #: 919191 / 919192

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Job Skills I work through a continuum of work proficiency from novice skills to emerging work skills. A variety of tasks will be possible from work readiness activities and volunteer work experiences. This class can be taken multiple times.

Background for Success:

Students can follow directions and are working toward competitive employment. Reading skills are at or above 5th grade.

Essentials Job Skills-Phase II

Course #: 919193 / 919194

Grade(s) Offered: 9-12

Credits/Length: 2 / year

Prerequisite: Entrance determined by IEP team

Students in this course will work to continue to develop work skills from novice skills to mastery work skills.

This course will use a work lab as part of the learning experience and could lead to work opportunities within the school setting. This is a 2 period block of time and can be taken multiple times. This course is offered off campus at the On Track facility.

Background for Success:

Student can follow multiple-step directions and are ready to engage in training leading toward competitive employment.

Essentials of Job Skills-Community Experience

Course #: 919195 / 919196

Grade(s) Offered: 9-12

Credits/Length: 1-2 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Job Skills II will be at least 16 years of age, work through community based resources or a job (with a job coach) a minimum of 10 hours per week, and demonstrate continued growth in applying skills learned in Essentials/Functional Transitions and Job Skills I. This is a 2-period block of time in the student's schedule. This course can be taken multiple times.

Background for Success:

Students will have a need to gain sheltered/supervised work experience.

Essentials of Language Arts B

Course #: 919103 / 919104

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Entrance determined by IEP team

Course Description:

Essentials of Language Arts 9-12 students will work on the MN common core language arts standards such as developing reading, writing, and communication skills, expanding vocabulary and knowledge of grammar and punctuation, reading strategies for a variety of different texts, writing a variety of essays, paragraphs, poetry, etc.

Background for Success:

Students should read at a 5th grade independent reading level and/or is able to understand auditory language at a 5th grade level or higher. They should also be able to write and/or dictate complete sentences.

Special Education

Essentials of Health and Phy. Ed.

Course #: 919135 / 919131

Grade(s) offered: 10-12

Credits/Length: 1 / year

Prerequisite: Attempted Phy Ed and/or Health course, IEP team and instructor approval

Course Description:

This course covers the essential standards for physical education and health class. The course is a year-long course because students will earn credit in each class, but it will be offered in a combined schedule throughout the year. Students who have been unsuccessful in their attempts in the general education classes would be eligible for consideration.

Background for Success:

Students need to be able to follow directions, participate successfully in competitive play, and are ready to engage in health topics.

Essentials of Physical Science

Course #: 919141 / 919142

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course provides students with a basic background in chemistry and physics. Major topics include diversity of matter, patterns and interactions of matter, motion and forces, forms of energy and changes in energy.

Background for Success:

Students show a need for a slower-paced presentation of materials and a smaller classroom environment. Prerequisites include reading skills at the 5th grade level.

Essentials of Reading Comprehension

Course #: 919111 / 919112

Grade(s) Offered: 9-12

Credits/Length: 2 / year

Prerequisite: Entrance determined by IEP team

Course Description:

In Essentials of Reading Comprehension students will work on increasing the grade level reading skills they currently have by working on comprehension, spelling, writing, and independent reading skills. This course can serve as Language Arts credit, replacing Essentials of Language Arts or a mainstream course.

Background for Success:

Students enrolled in this class are below grade level in reading to a point that it is affecting their ability to be successful in other classes. Students should read at a minimum of 3rd grade level and be able to write and/or dictate complete sentences. They should be able to independently use a computer with a headset and microphone. Stu-

dents in this course need to work semi-independently within a small group setting.

Essentials of Transition

Course #: 919181/919182

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This class is a combination of social skills, work experience, life skills, and transition to the adult world. Students will be provided with opportunities to work on these skills that will enable them to be as independent as possible after they graduate from high school. These four skill areas are inter-related and needed for individuals to be successful in a job, post-secondary education, and in independent living. Students enrolled in this course will also work on specific goals and transition activities as stated in their IEP. This course can be taken multiple times.

Background for Success:

Students will have skills in the areas above, but need further support as they work toward competitive employment and independent living.

Essentials of US History I

Course #: 919162

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Essentials of US History II will study the period of 15th century to the Civil War. Each chapter will include maps, vocabulary development, and assignments/projects related to the topic of study.

Background for Success:

Students will need to be able to read at a minimum of 5th grade level. Students will be able to identify major events in American History from the Reconstruction to the present.

Special Education

Essentials US History II

Course #: 919169 / 919170

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

United States History I is a two-semester course that offers a general survey of United States history from the 15th century to the Civil War. The students will identify the major themes in United States history and explain their importance at each stage in development of the United States.

Background for Success:

Students should have a basic knowledge of US History.

Essentials of World History

Course #: 919169 / 919170

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is general survey of World History from ancient times to modern times. The students will study events, people and ideas of the past and be able to explain the impact they had on shaping the world they live in today.

Background for Success:

Students should have a basic knowledge of World History and geography.

Functional Adaptive PE

Course #: 919409 / 919410

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Adaptive PE will participate in a variety of activities to promote teamwork and sportsmanship, develop gross motor skills, and participate in activities according to the student's IEP and specific needs

Background for Success:

Students will have a need to increase and work on physical education goals and skills.

Functional Job Skills-Phase I

Course #: 919421 / 919422

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Job Skills I work through a continuum of work proficiency from novice skills to emerging

work skills. A variety of tasks will be possible from work readiness activities and volunteer work experiences. This course can be taken multiple times.

Background for Success:

Students can follow one and two-step directions and have a desire to increase their work skills and experiences.

Reading skills should be functional.

Functional Job Skills-Phase II

Course #: 919423 / 919424

Grade(s) Offered: 9-12

Credits/Length: 2 / year

Prerequisite: Entrance determined by IEP team

Students in this course will work to continue to develop work skills from novice skills to mastery work skills. This course will use a work lab as part of the learning experience and could lead to work opportunities within the school setting. This is a 2-period block of time. This course can be taken multiple times. This course is offered off campus at the On Track facility.

Background for Success:

Students can follow 2 and 3-step directions and are ready to engage in more specific training experiences leading toward sheltered/supervised employment.

Functional Job Skills-Community Exp.

Course #: 919425 / 919426

Grade(s) Offered: 9-12

Credits/Length: 1-2 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Job Skills II will be at least 16 years of age, work through community based resources or a job (with a job coach) a minimum of 10 hours per week, and demonstrate continued growth in applying skills learned in Essentials/Function Transitions and Job Skills Phase I. This is a 2-period block of time in the students schedule. This course can be taken multiple times.

Background for Success:

Students will have a need to gain sheltered/supervised work experience.

Special Education

Functional Mathematics C

Course #: 919345 / 919346

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Mathematics 9-12 will develop their ability to use basic operations, analyze data, measurement (time, money, calendar, and linear measurement), geometry, patterns, statistics, and algebra concepts. The focus for this school year will be algebra concepts.

Background for Success:

Students need to be familiar with basic math concepts.

Functional Language Arts C

Course #: 919305 / 919306

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Language Arts 9-12 will develop student skills in a 4-year rotation. Functional language arts components will be covered each year with an emphasis on mastery in the skill(s) of Reading Functions, Reading Development, Reading Methods, and Vocabulary. Writing skills are also reinforced every year. The focus this year will be reading methods.

Background for Success:

Students with beginning reading skills to fourth grade reading skills are appropriate for this class. Skills covered will include: Reading Functions, Reading Development, Reading Methods, and Vocabulary

Functional Science C

Course #: 919385 / 919386

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Science will develop their understanding in the areas of Life Science, Physical Science, and Environmental Science. Skills in the functional science components will be covered on a rotating schedule every other year, so that students would have exposure to all of the required concepts over the course of their attendance at the high school. The focus will be physical and earth science this year.

Background for Success:

Students with beginning reading skills to fourth grade reading skills are appropriate for this class.

Functional Social Studies C

Course #: 919385 / 919386

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Social Studies will develop their ability to understand U.S. History, Geography and World History, and U.S. Government and Citizenship at a functional level. Skills in the functional social studies components will be covered on a rotating schedule every other year, so that students would have exposure to all of the required concepts over the course of their attendance at the high school. The focus will be US History this school year.

Background for Success:

Students with beginning reading skills to fourth grade reading skills are appropriate for this class.

Functional Transitions

Course #: 919483 / 919484

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This class is a combination of social skills, work experience, life skills, and transition to the adult world. Students will be provided with opportunities to work on these skills that will enable them to be as independent as possible after they graduate from high school. These four skill areas are inter-related and needed to be successful in a job, post-secondary education, and in independent living. Students enrolled in this course will also work on specific goals and transition activities as stated in their IEP.

Background for Success:

Students have a need for increased basic social skills, life skills and are working toward functional skills that will allow them to transition to the adult world.

Special Education

Functional Transition Program

Course #: 919485 / 919486

Grade(s) Offered: 12+

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

Students in Functional Transition Program will work through a continuum of transition skills including: Home Living, Community Participation, Work/Post-Secondary, Recreation/Leisure.

Background for Success:

Students must have a desire to continue to work on their transition skills for successful adulthood.

Skills American Government

Course #: 919267

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: Entrance determined by IEP team

Course Description:

For the course description please see American Government description in the Social Studies section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance and read at 5th grade or higher reading level.

Skills Biology

Course #: 919243 / 919244

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher. For the course description please see the Biology description in the Science section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance and read at 5th grade or higher reading level.

Skills Economics

Course #: 919268

Grade(s) Offered: 12

Credits/Length: 0.5 / semester

Prerequisite: Entrance determined by IEP team

Course Description:

This course has paraprofessional support available within the general education setting. For the course description please see the Economics description in the Social Studies section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance and read at 5th grade or higher reading level.

Skills Everyday Chemistry

Course #: 919247 / 919248

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and general education teacher. For the course description please see the Everyday Chemistry description in the Science section.

Background for Success:

Students should have a basic understanding of the scientific method and science concepts.

Skills Human Geography

Course #: 919271

Grade(s) Offered: 10-12

Credits/Length: 0.5/ semester

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught and will study how humans impact the physical geography of the world and how the world's physical geography has influenced the development of human populations and their cultures. Students will study the political, cultural and economic patterns and distribution of humans on the earth's surface and discover the causes of these patterns.

Background for Success:

Student must be able to work independently with minimal assistance and read at 5th grade or higher reading level.

Skills Intermediate Algebra T

Course #: 919223 / 919224

Grade(s) Offered: 9-10

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher in the regular education setting. For the course description please see the Non-Linear Algebra T description in the Math section of the Course Registration Guide.

Background for Success:

Student must have a knowledge of basic operations and able to understand math vocabulary. They must know how to use a calculator effectively and can work independently with some assistance.

Special Education

Skills Language Arts 9T

Course #: 919201 / 919202

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher in the regular education setting. For the course description please see the Language Arts 9T description in the Language Arts section of the Course Registration Guide.

Background for Success:

Students must be able to work independently with minimal assistance and read at 7th grade or higher reading level.

Skills Language Arts 10T

Course #: 919211 / 919212

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher in the regular education setting. For the course description please see the Language Arts 10T description in the Language Arts section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance. Read at 7th grade or higher reading level.

Skills Physical Science

Course #: 919241 / 919242

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught within the general education setting. For the course description please see the Physical Science description in the Science section of the Course Registration Guide.

Background for Success:

Students should be able to work independently with some assistance.

Skills US History I

Course #: 919262

Grade(s) Offered: 10

Credits/Length: 0.5 / semester

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher in the regular education

setting. For the course description please see the US History II description in the Social Studies section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance and read at a 7th grade or higher level.

Skills US History II

Course #: 919263 / 919264

Grade(s) Offered: 10

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education teacher and a general education teacher in the regular education setting. For the course description please see the US History II description in the Social Studies section of the Course Registration Guide.

Background for Success:

Student must be able to work independently with minimal assistance and read at a 7th grade or higher level.

Skills World History

Course #: 919269 / 919270

Grade(s) Offered: 9

Credits/Length: 1 / year

Prerequisite: Entrance determined by IEP team

Course Description:

This course is co-taught with a special education and general education teacher in the general education setting. World History offers a general survey of World History from ancient times to modern times. The students will study events, people and ideas of the past and be able to explain the impact they had on shaping the world they live in today.

Background for Success:

Students should have a basic knowledge of World History and geography. Students should be able to identify the difference between primary and secondary sources.

Technology

Grade	Course Number	Course Title	Prerequisite	Credit
9	910103	Exploration: Technical Education	None	1.0/year
9-12	910401	Manufacturing and Metalwork System I	None	.5/sem.
10-12	910201	Transportation Technology I	Valid driver's license and vehicle to work on	.5/sem.
10-12	910221	Power Systems I	None	.5/sem.
10-12	910301/910302	Woodworking Technology I	None	1.0/year
10-12	910311/910312	Woodworking Technology II	Woodworking I or teacher approval	1.0/year
10-12	910351/910352	Basic Building Construction I	None	1.0/year
10-12	910402	Manufacturing and Metalwork System II	Mfg. And Metal I	.5/sem.
10-12	910501/910502	Graphic Arts	None	1.0/year
11-12	910203/910204	Transportation Technology II	Valid driver's license and vehicle to work on	1.0/year
11-12	910223/910224	Power Systems II	Power Systems I	1.0/year
11-12	910321/910322	Woodworking Technology III	Woodworking courses or teacher approval	1.0/year
11-12	910353/910354	Basic Building Construction II	Building Construction I	1.0/year
11-12	910403/910404	Manufacturing and Metalwork System III	Mfg. And Metal. Courses	1.0/year
11-12	910503/910504	Graphic Arts II	Graphic Arts I	1.0/year
11-12	910505/910506	Graphic Arts III	Graphic Arts II	1.0/year
11-12	910507/910508	Graphics Mentorship	Graphics III and teacher recommendation	1.0/year
11-12	913403/913404	Principles of Technology	None	1.0/year

Technology

Basic Building Construction I

Course #: 910351 / 910352

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: Explorations is recommended but not required

Course Description:

In Basic Building Construction I, students will learn; proper hand and power tool applications, to read a working drawing, to explore various construction materials, basic framing techniques, about sheathing materials, about insulation and venting, various applications and installations of doors and windows, techniques of roofing, sheet rocking techniques, basic siding installation, and basic electrical wiring techniques.

Background for Success:

Any experience using hand or power tools and equipment would be helpful. Basic measuring skills are also beneficial.

Basic Building Construction II

Course #: 910353 / 910354

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Basic Building Construction I

Course Description:

In Basic Building Construction II, students will learn: to read blueprints/ planning and designing, how to estimate, learn various applications for construction materials, how to do cement flat work, several siding applications (vinyl, steel, cedar), how to install fascia and soffit, different applications for insulation, how to install millwork, truss and rafter applications, surveying and site development, different types of framing and sheathing, residential wiring, and green building trends. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Any experience using hand or power tools and equipment would be helpful. Basic measuring skills are also beneficial. Completion of Basic Building Construction I.

Explorations: Technical Education

Course #: 910103

Grade(s) Offered: 9

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This course is designed for students to explore and be exposed to a variety of CTE (Career and Technical Edu-

cation) areas that include welding, woods, and basic automotive.

Background for Success:

Basic skills such as listening, following directions, math and reading are beneficial.

Graphic Arts I

Course #: 910501 / 910502

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisite: None

Course Description:

This introductory course is designed to give students an opportunity to explore a wide range of topics within the area of graphic technology. Students will work with computers, Adobe CS4 software, printing equipment and processes in learning about screen-printing, digital studio photography, offset printing, computers, heat transfer and more. Some of the products that are produced includes: Pet Rocks; T-shirt iron-ons; CDs; Ceramic tiles, Stationery; Digital photographs; Desk clocks; Vinyl stickers. This course teaches the skills needed to go on to advanced graphics courses at AHS, technical colleges or state universities.

Background for Success:

Student should have basic graphic arts / graphic communications interest and background.

Graphic Arts II

Course #: 910503 / 910504

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Graphic Arts I

Course Description:

This course provides students with a mature foundation of knowledge that will contribute to future achievements in a wide range of graphic arts careers. The course provides the advanced theories and hands-on experience in PC computers Adobe CS4 software, design and layout, digital studio photography, computer to plate, digital preparation, and offset printing, paper and bindery concepts, and photo screen printing. Students print golf balls, bookmakers, mugs, large clocks, mouse pads and wet decals. Other concepts generate sandblasted drinking glasses, sandblasted Burton Board flash drives and multiple colored vinyl signs or heat transferred vinyl cut t-shirts. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have experience and interest in furthering graphic art skills, as well as knowledge of Adobe InDesign, Illustrator and Photoshop.

Technology

Graphic Arts III

Course #: 910505 / 910506

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Graphic Arts II or teacher recommendation

Course Description:

Austin High School has a printing company named Packer Graphics that is located here and run by students taking this course. The course allows students not only to further develop and build their skills, but also allows them the opportunity to learn how to run a business. Learning what it takes to be on time, on budget, and provide a quality product are very important skills taught in this class. A wide variety of products will be printed using several different methods. Packer Graphics is for students who are serious about developing their skills for the world of work or for furthering their education. Students completing this course have the necessary skills to obtain entry level positions at printing companies or will be able to sign off or test out of classes in college programs. All processes include multi-colored screen printing, lithography and dye-sublimation prints. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Student should have the experience of Graphic Arts II.

Graphics Mentorship

Course #: 910507 / 910508

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Graphics II or III and teacher recommendation

Course Description:

Students who want to incorporate their graphics skills into a part-time job might be interested in this on-the-job training course. This course will document hours, competencies and school-based instruction in the graphics communications field. The mentors need to be 16, 17 or 18 years old. The mentors can learn in school through printing for the school district. It is possible to be part-time employed at a local printing company. Candidates with more experience in graphics are more likely to be selected. Students could print the Sentinel newspaper, Ellis Screaming Eagle newspaper, senior t-shirts, SkillsUSA t-shirts, homecoming t-shirts. Students compete in SkillsUSA state and national competitions. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Student should have the experience of Graphic Arts III.

Manufacturing and Metalwork System I

Course #: 910401

Grade(s) Offered: 9-12

Credits/Length: 0.5 / semester

Prerequisites: Explorations is recommended but not required

Course Description:

In Mfg. and Metalworks I students will demonstrate safe procedures while in a “shop” environment, demonstrate proper welding and cutting safety procedures, weld the five most common weld joints, demonstrate knowledge of Shielded Metal Arc Welding, set up and use a Plasma CAM machine, demonstrate knowledge of Oxy-acetylene operation, and design and construct basic metal projects using skills learned in class including metal sculpture. Students will also study the history of metalwork.

Background for Success:

Any experience using hand or power tools and equipment would be helpful. Computer skills are helpful in researching and in utilizing the computer driven machines in the lab such as PlasmaCam and CNC driven Milling Machine.

Manufacturing and Metalwork System II

Course #: 910402

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisites: Manufacturing and Metalwork Systems I or teacher recommendation

Course Description:

In Mfg. and Metalworks II, students will review welding skills and safety procedures, create advanced metal projects utilizing all skills used in Metalwork I, use team work to design, construct and market small utility trailers, utilize CADD software to design signs and parts on a CNC milling and PlasmaCam machines, utilize Gas Tungsten Arc Welding to weld aluminum, and utilize metal forming equipment for various projects. and metal bending equipment to design and create advanced projects. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for an articulation scholarship.

Background for Success:

Experience in Manufacturing and Metalwork System I.

Technology

Manufacturing and Metalwork System III

Course #: 910403 / 910404

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Manufacturing and Metalwork Systems I and II or teacher recommendation

Course Description:

In Mfg. and Metalworks III students will; review welding safety and operational procedures, create advanced metal projects utilizing all skills learned in welding I and II, plan and design advanced welding projects, use teamwork to design, construct, and market trailers, utilize PlasmaCam to design and create advanced metal projects, demonstrate proper welding techniques on aluminum and mild steel using a TIG welder, work with metal bending/twisting/scrolling/rolling equipment to create various projects, and explore and research careers in the welding industry. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Experience in Manufacturing and Metalwork II.

Power Systems I

Course #: 910221

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: None

Course Description:

This is a vocational course that introduces students to mechanical systems used in power and transportation. Students will learn basic maintenance, troubleshooting, and how to do an overhaul of a four-stroke engine. During this course students will experience hands on learning activities that will aid them in careers in all automotive fields as well as become better consumers.

Background for Success:

Any experience using hand, or power tools and equipment would be helpful. Students should have an interest in small engines, such as lawn-mowers, motorcycles, outboards, etc.

Power Systems II

Course #: 910223 / 910224

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Power Systems I

Course Description:

This is a vocational course that will expose students to in-depth learning about multi cylinder engines, careers related to small engines, and small engine powered equipment such as snowmobiles, motorcycles, and tractors.

Background for Success:

Experience and completion of Power Systems I.

Principles of Technology

Course #: 913403 / 913404

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: None

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Course Description:

This is an engineering technology concept class providing an environment where students participate in open-ended projects and have the opportunity for exploration, experimentation and discovery. This course will introduce students to advanced programming, designing with 3D CAD software, generating custom designs, fabrication, prototyping and competitive entries into multiple design competitions.

Background for Success:

Students should be interested in engineering and design and have basic computer skills. Problem solving skills are also beneficial.

Transportation Technology I

Course #: 910201

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Prerequisite: Student must possess a valid drivers license.

Students must have a vehicle to work on.

Course Description:

This course is intended for students to learn the basics of car care, including maintenance, emergency procedures, and purchasing a car. Students will learn about specific applications to their vehicle as well as general applications to all cars. Students will learn through hands on applications on real cars.

Background for Success:

Any experience using hand, or power tools and equipment would be helpful. Students should have an interest in doing maintenance, repairs, and modifications to a vehicle.

Technology

Transportation Technology II

Course #: 910203 / 910204

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisite: Transportation Technology I. Student must possess a valid drivers license. Students must have a vehicle to work on.

Course Description:

This course is intended for students to have the opportunity to learn more in-depth service of automobiles. Students will learn troubleshooting, electrical diagnostics, advanced maintenance, and auto-body work. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.

Background for Success:

Completion of Transportation Technology I.

Woodworking Technology I

Course #: 910301 / 910302

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Explorations is recommended but not required

Course Description:

This course is designed for the student who has an interest in acquiring more advanced skills in woodworking. Students will operate most stationary power tools in the shop during this course. First semester, all students will learn how to measure, read a working drawing, and follow a plan of procedure to build a nightstand cabinet. Second semester they will be required to create several smaller projects as assigned by the instructor. Lathe work will also be included. Students will be responsible for the cost of the cabinet and any other projects they take home. Students will learn how to work independently and cooperatively in a lab setting.

Background for Success:

Students should have an interest in gaining an appreciation of wood and wood products used in daily life. Students will need to know how to work independently and cooperatively in a lab setting. Any experience using hand or power tools would be helpful.

Woodworking Technology II

Course #: 910311 / 910312

Grade(s) Offered: 10-12

Credits/Length: 1 / year

Prerequisites: Woodworking Technology I or teacher recommendation

Course Description:

This course is intended to give students an in depth opportunity to develop a furniture or cabinetry project. Students will design the project, develop a bill of materials, and select the appropriate materials to create a finished product. They will demonstrate skills and techniques used in fine cabinetmaking and will assess their work upon completion. Advanced wood joinery will be explored. Students are responsible for the cost of the projects for this course. Students will learn how to work independently and cooperatively in a lab setting. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have an interest in gaining an appreciation of wood and wood products used in daily life. Students will need to know how to work independently and cooperatively in a lab setting.

Woodworking Technology III

Course #: 910321 / 910322

Grade(s) Offered: 11-12

Credits/Length: 1 / year

Prerequisites: Woodworking Technology I and II or teacher recommendation

Course Description:

This course is intended to give the student an opportunity to pursue an independent furniture/cabinetry project of their choice. All projects must be approved by the instructor before the student can begin production. The parent or guardian of the student must also approve the project that will be produced. Projects for this course should incorporate advanced woodworking techniques. Students will be responsible for the cost of the projects. Students may need to purchase additional materials on their own if not available in the woodworking lab. Students will learn how to work independently and cooperatively in a lab setting. Junior and Senior students who successfully complete this course and meet the performance criteria are eligible for the articulation scholarship.*

Background for Success:

Students should have an interest in gaining an appreciation of wood and wood products used in daily life. Students will need to know how to work independently and cooperatively in a lab setting.

World Language

Grade	Course Number	Course Title	Prerequisite	Credit
9-12	906101/906102	French I	None	1.0/year
9-12	906201/906202	Spanish I	None	1.0/year
9-12	906221/906222	Spanish II	Spanish I	1.0/year
9-12	906291/906292	Spanish for Native Speakers I	Assessment and teacher recommendation	1.0/year
9-12	906293/906294	Spanish for Native Speakers II	Assessment and teacher recommendation	1.0/year
9-12	906295/906296	Spanish for Native Speakers III	Assessment and teacher recommendation	1.0/year
10-12	906121/906122	French II	French I	1.0/year
10-12	906241/906242	Spanish III	Spanish II	1.0/year
11-12	906141/906142	French III	French II or teacher approval	1.0/year
11-12	906161/906162	French IV	French III or teacher approval	1.0/year
11-12	906261/906262	Spanish IV	Spanish III or teacher approval	1.0/year
11-12	906281/906282	Spanish V	Spanish IV or teacher approval	1.0/year

World Language plays a unique role in international education in response to increased global interdependence. The demands of present-day living, the need for multilingual personnel in government and business, the growing number of travelers who wish to communicate with ease in a world language, the satisfaction of achieving a personal goal; all of these factors emphasize the value of world language study. Many colleges and universities require world language study for entrance and/or exit. Students are often able to receive credit at these institutions depending on their placement exam scores. Students are encouraged to check requirements of the colleges and universities that they are interested in attending. It is recommended that college bound students include three or more years of high school study of one world language. However, all students can benefit from the knowledge of another language for life. Current job applications often ask for the number of languages that one speaks. Language study is an excellent way to prepare oneself for the future.

French I

Course #: 906101 / 906102

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: None

Course Description:

Students in this course will practice listening, reading, speaking, and writing in French with an emphasis on communication in real-life situations. They will study a variety of topics with a focus on high-frequency vocabulary. Students will develop proficiency with the present tense, pronunciation, and basic French grammar rules. Students will also become familiar with different French-speaking cultures through the study of geography, food, music, traditions, and celebrations.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

World Language

French II

Course #: 906121 / 906122

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: French I or teacher recommendation

Course Description:

Students in this course will continue listening, reading, speaking, and writing in French with an emphasis on communication in real-life situations. They will study a greater variety of topics, but continue to focus on high-frequency vocabulary. Students will continue to increase proficiency in using the language. Students will become familiar with more French-speaking cultures through the study of geography, food, music, traditions, and celebrations.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

French III

Course #: 906141 / 906142

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: French II or teacher recommendation

Course Description:

Students in this course will continue to develop the skills acquired in previous years of study and broaden their range of vocabulary. Students will continue to increase proficiency in using the language. Students will explore cultural topics and compare cultural similarities and differences. Topics of study include France's unique contributions and diversity of regions.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

French IV

Course #: 906161 / 906162

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: French III or teacher recommendation

Course Description:

Students will increase their range of vocabulary, complete their study of basic grammar of the French language and review difficult structures. Students will explore cultural traditions through the use of realia including films, legends, poetry, newspapers, and magazine articles.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

Spanish I

Course #: 906201 / 906202

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: None

Course Description:

Students in this course will practice listening, reading, speaking, and writing in Spanish with an emphasis on communication in real-life situations. They will study a variety of topics with a focus on high-frequency vocabulary. Students will develop proficiency with the present tense, pronunciation, and number/gender agreement. Students will also become familiar with different Spanish-speaking cultures through the study of geography, food, music, traditions, and celebrations.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

World Language

Spanish II

Course #: 906221 / 906222

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Spanish I or teacher recommendation

Course Description:

Students in this course will continue listening, reading, speaking, and writing in Spanish with an emphasis on communication in real-life situations. They will study a greater variety of topics, but continue to focus on high-frequency vocabulary. Students will continue to increase proficiency in using the present tense and be introduced to preterit, imperfect, present progressive, and informal commands. Students will become familiar with more Spanish-speaking cultures through the study of geography, food, music, traditions, and celebrations.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

Spanish III

Course #: 906241 / 906242

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Spanish II or teacher recommendation

Course Description:

Students in this course will continue to develop the skills acquired in previous years of study and broaden their range of vocabulary. Students will explore cultural topics and compare cultural similarities and differences. Topics of study include famous Spanish and Latino artists, indigenous Latin American tribes, popular contemporary musicians, and Spanish speaking countries. Students will narrate scenarios, read short passages and news articles in Spanish, study song lyrics and read a novel & participate in a literary circle, conducted in Spanish. Grammar foci at the 3rd level include the present indicative, preterit, imperfect, past perfect, present progressive, immediate future, and future tenses.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

Spanish IV

Course #: 906261 / 906262

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Spanish III or teacher recommendation

Course Description:

Students will review previously introduced materials, working toward further proficiency and mastery. Students will explore cultural traditions through the use of realia including films, legends, poetry, newspapers, and magazine articles. Students will apply grammar knowledge across tenses using familiar verbs and vocabulary.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

Spanish V

Course #: 906281 / 906282

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Spanish IV or teacher recommendation

Course Description:

Students will continue to increase their proficiency and mastery of the language through study of film, literature, and culture. They will improve conversation skills through group discussions. Also, at this level, students will work with AP language selections and prepare for college language study.

Background for Success:

Students should have good daily study skills and the desire to fully participate in class.

Spanish for Native Speakers I

Course #: 906291 / 906292

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: Spanish oral proficiency, placement testing

Course Description:

Students will develop proficiency in reading and writing in the Spanish language. Students will build vocabulary recognition and usage, develop spelling, reading comprehension, and grammatical usage skills in Spanish, as well as expose students to academic and non-academic readings in Spanish. This course is designed for native/heritage speakers of Spanish who already have language proficiency.

Background for Success:

Placement in this course is based on teacher recommendation and student's score on the placement test.

World Language

Spanish for Native Speakers II

Course #: 906293 / 906294

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: native Spanish speaker, Spanish for Native Speakers I, and/or placement testing

Course Description:

In this course students will develop, maintain, and enhance proficiency in Spanish. They will learn to think critically and to express themselves through academic writing and learn writing and study strategies that can be applied to any subject area and language. They will gain a better understanding of the nature of language, discover their own voice through examination of literature and film, and gain awareness of the many cultures of the Spanish-speaking world. This course is designed specifically for native/heritage speakers of Spanish or those who already have oral language proficiency.

Background for Success:

Placement in this course is based on teacher recommendation and student's score on the placement test.

Spanish for Native Speakers III

Course #: 906295 / 906296

Grade(s) Offered: 9-12

Credits/Length: 1 / year

Prerequisites: native Spanish speaker, Spanish for Native Speakers II, and/or placement testing

Course Description:

In addition to improving their proficiency in academic writing, they will utilize technology as a tool to search for, present, and share knowledge and ideas. They will continue to gain awareness of the many cultures of the Spanish-speaking world and create a capstone project.

Background for Success:

Placement in this course is based on teacher recommendation and student's score on the placement test.

Additional Electives

Austin REACH

Course #: 989221 / 989222

Grade(s) Offered: 9-12

Credits/Length: 1 / semester

Prerequisites: Must complete a Referral form which can be obtained in the counselor's office

Course Description:

This program is designed to provide support for students seeking academic, social, and/or emotional support. Students set school, family, social and program goals weekly, engage in character building exercises, and are held accountable for academic success.

AVID

Course #: 989223 / 989224

Grade(s) Offered: 9-10

Credits/Length: 0.5 / semester

Course Description:

Advancement Via Individual Determination (AVID) is a college readiness system designed to increase learning and performance. Students learn organizational and study skills, critical thinking and develop skills to ask probing questions, get academic help from peers and college tutors, and participate in enrichment and motivational activities that make college attainable. Students should also be enrolled in an AP/Honors course while taking AVID.

Independent Study

Course #: 989201 / 989202

Grade(s) Offered: 10-12

Credits/Length: 0.5 / semester

Course Description:

Students will design a course proposal with the instructor using the Independent Study Application. This is only reserved for exceptional cases and must have a schedule conflict or offer extended opportunities in a content area that are not currently available in the student's schedule.

PSEO (Post Secondary Enrollment Option)

Course #: 999500

Grade(s) Offered: 11-12

Credits/Length: 0 / year (credit earned through the college)

Prerequisites: Acceptance into a post-secondary institution

Course Description:

Students are expected to be attending classes at a post-secondary institution during this time. They need to provide proof of enrollment in a college before the schedule will be changed to reflect enrollment in this course.

Student Aide

Course #: 989203 / 989204

Grade(s) Offered: 12

Credits/Length: 0 / year

Prerequisites: Must be a senior

Course Description:

Students will assist teachers and office personnel in completing various tasks. Students must seek approval from the teacher they wish to student aide with before registering for this course and fill out an application available through the counseling office. No credit is offered.

Study Hall

Course #: 989205 / 989206

Grade(s) Offered: 9-12

Credits/Length: 0 / semester

Course Description:

Students are expected to use this time in a quiet study environment to work on their course work. The supervising teacher will be available to assist with checking student portal for grade and assignment completion information, as well as some academic support, if needed. No credit is offered.