

# **Kenyon-Wanamingo High School**



## **Registration Guide 2020-2021**



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# ISD 2172 GRADUATION REQUIREMENTS

## TARGETED REQUIREMENTS

English	4 credits (including 1 cr. each of English 9 and English 10)
Social Studies	4 credits (including 1 cr. each of Am.History/Gov't, World History & Geography, Political Science, and Economics)
Science	3 credits (including 1 cr. each of Physics 9 and Biology)
Math	3 credits in one of the Math Tracks (see Mathematics)
Fine Arts	1 credit of electives
Explore	2 credits (including 1 cr. each during freshman and sophomore)
Advisory	1 credit (1/4 credit per year, 1 full credit during 9-12, prorated up to that time)

A total of 27 credits is needed to graduate.

## ENROLLMENT SPECIFICS

A credit is the equivalent of the successful completion of an academic year of study or the student mastery of applicable state/local standards.

(Definition of a Full-Time student) Since Kenyon-Wanamingo High School is on an eight-period day, students are expected to maintain a rigorous schedule including a minimum of 7.0 credits for the year. This allows for one study period per term. In addition, all full-time students need to be enrolled in six academic courses per semester where letter grades are earned.

(Senior Graduation Exception) Senior students who have earned enough credit and are on-track to graduate may reduce to 6.0 credits for the year. In addition, all full-time students need to be enrolled in at least five academic courses per semester where letter grades are earned.

(Definition of an Academic Credit) A student earns academic credit through completion of courses that have a regular classroom grading component. Pass/Fail courses do not count as academic credit. Work Records, Tutoring, Student Aide, Chromebook Repair Team, and Independent Study classes do not meet the definition of academic credit.

(MSHSL Eligibility) To be eligible for MSHSL activities, a student must be considered a full-time student at Kenyon-Wanamingo High School. Therefore, to be MSHSL-eligible, a student must be enrolled in at least 3.0 academic credits per semester and be passing all academic classes to participate in MSHSL activities. Pass/fail credits are not academic classes.

Only trimester / semester grades will be recorded on the students' permanent records. A passing grade in a course earns 0.33 credits in a trimester course, .5 credit for a regular semester course, or .75 for most AP semester courses. College equivalent classes (PSEO, St. Olaf Honors Program, and Concurrent classes, for example) earn .25 high school credit per college credit. 21.5 credits must be classroom credits as per State Law (Minnesota Academic Standards).

Up to 5.5 non-graded pass/fail credits may count toward your 27 required graduation credits in areas such as Tutoring, Student Aide, Work Experience, Independent Study, Chromebook Repair Team, Advisory or any other pass/fail credit situation.

In the Course Description section of this guide remember to:

Check for prerequisite courses when selecting current courses

Check for articulation certificate courses if considering 2-year college (These are only good for two years.)

Consider the academic level of each course. This level is posted below each course in the handbook. It should serve as a guideline for the amount of reading, writing and homework that you will be agreeing to do if you opt for each course.

When the course is most likely to be offered is identified in the course description:

"Semester (year)" or "yearlong" means both semesters

"Semester I or II" means first or second semester

"Trimester (year) means it is a required elective rotation course (Grades 9 and 10)

## ACADEMIC LEVEL

For each course in the registration guide, you will notice three values associated with the course. Use this rating scale to view the types of expectations that are associated with this course. The staff at KWHS has evaluated each of their courses based on this criteria. The purpose of this evaluation is threefold. The first purpose is to alert students to the level of expectations that they will encounter in the course. The second purpose is to ensure the quality of the courses by stating upfront what the academic level of the courses will be. The final purpose is to allow both students and parents to choose the type of academic experience they are seeking. By offering multiple levels of courses and expectations, students are agreeing to meet the expectations of the instructor and KWHS.

We feel this will improve our focus on reading and writing throughout our school. Our staff is committed to consistently addressing the academic level of their courses to meet the needs of our students, as well to improve the accountability of our school. Please look through the criteria carefully as you make your course selections.

### *READING*

1-LIGHT	Light reading, in-class only
2-MODERATE	Reading homework assigned outside of class, at times even lengthy. Student will be responsible for assessment on frequent basis based on homework readings of less than 10 pages.
3-SUBSTANTIAL	At least once weekly, students will be responsible for significant reading assignments of 10 or more pages. Students will be consistently responsible for knowing the content of what they read, in addition to comprehension of the material
4-COLLEGIATE	Nearly on a daily basis, students will be responsible for collegiate-level reading assignments. In terms of assessment, this involves comprehension and synthesis of the material covered. Students will be expected to analyze what they have read in an elaborate fashion.

### *WRITING*

1-LIGHT	Written, short answers to questions. No formal outside writing (papers, essays, etc.)
2-MODERATE	Students will be asked to develop paragraphs using complete sentences. Normally, organized essays of up to one page turned in typewritten form.
3-SUBSTANTIAL	The full writing process is utilized in this class on a regular basis. Appropriate grammar and usage, outlines, story boards and development emphasized. Multiple drafts will be collected on major assignments to develop writing skills. Written assignments will frequently be from 2-5 pages.
4-COLLEGIATE	Major organized papers will be expected (longer than 5 pages). The research process is an emphasis for the construction of these papers. Proper citations, grammar and usage are a base expectation. Construction of synthesis and evaluation statements of course content is a routine expectation of written work.

### *HOMEWORK*

1-LIGHT	There is very little to no homework assigned outside of this participation class.
2-MODERATE	There is some homework issued in this class. The weekly expectation will not exceed 60 minutes per week.
3-SUBSTANTIAL	Homework is given on a routine basis. Each student will be expected to complete between 60 and 180 minutes of homework per week. Students wanting to do well in this course are expected to prepare for exams.
4-COLLEGIATE	Homework is given on a daily basis. Students are expected to complete roughly the same amount of time outside of the classroom as inside the classroom. The total amount of homework in this course will rarely be less than 180 minutes per week.

## 4 YEAR PLAN

Student Name \_\_\_\_\_

To qualify for a KWHS diploma a student needs to complete the required course curriculum and nine elective credits to meet the 27 credit requirement. Use the 4-year plan worksheet to plan the placement of required and elective courses. Bold **R** means this is a required course area.

9 <sup>th</sup> Grade First Semester	Required	9 <sup>th</sup> Grade Second Semester
<b>R</b> American History/Government	1 credit	<b>R</b> American History/Government
<b>R</b> English 9	1 credit	<b>R</b> English 9
<b>R</b> Geometry or Algebra I or Alg/Geo	1 credit	<b>R</b> Geometry or Algebra I or Alg/Geo
<b>R</b> Physics 9	1 credit	<b>R</b> Physics 9
<b>R</b> EXPLORE A – Art Survey / IT 9 / FACS 9	1 credit	<b>R</b> EXPLORE A – Art Survey / IT 9 / FACS 9
9 <sup>th</sup> Grade (7.0 credits required) ADVISORY– Pass/Fail .25 credit		

10 <sup>th</sup> Grade First Semester	Required	10 <sup>th</sup> Grade Second Semester
<b>R</b> English 10	1 credit	<b>R</b> English 10
<b>R</b> Biology	1 credit	<b>R</b> Biology
<b>R</b> Algebra II or Geometry or Applied Alg.I	1 credit	<b>R</b> Algebra II or Geometry or Applied Alg.I
<b>R</b> World Hist/Geography or AP Human Geography	1 credit	<b>R</b> World Hist/Geography or AP Human Geography
<b>R</b> EXPLORE B- Health/Work-Careers/Digital Literacy	1 credit	<b>R</b> EXPLORE B-Health/Work-Careers/Digital Literacy
10 <sup>th</sup> Grade (7.0 credits required) ADVISORY– Pass/Fail .25 credit		

11 <sup>th</sup> Grade First Semester	Required	11 <sup>th</sup> Grade Second Semester
<b>R</b> English 11, AP Lit & Comp or two English electives	1 credit	<b>R</b> English 11, AP Lit & Comp or two English electives
<b>R</b> MATH -	1 credit	<b>R</b> MATH -
<b>R</b> Economics OR Honors Economics	1 credit	<b>R</b> Political Science OR Honors American .Gov.
<b>R</b> SCIENCE -	1 credit	<b>R</b> SCIENCE -
<b>R</b> FINE ARTS (During HS)	1 credit	<b>R</b> FINE ARTS (During HS)
11th Grade (7.0 credits required) ADVISORY – Pass/Fail .25 credit		

12 <sup>th</sup> Grade First Semester	Required	12 <sup>th</sup> Grade First Semester
<b>R</b> English 12, AP Lit & Comp, or two English electives	1 credit	<b>R</b> English 12, AP Lit & Comp, or two English electives
<b>R</b> Social Studies Choice	1 credit	<b>R</b> Social Studies Choice
12th Grade (6.0 credits required) ADVISORY– Pass/Fail .25 credit		

## DEFINITION OF TERMS

### ARTICULATION CERTIFICATES

Articulation means an agreement has been made between KWHS and selected 2-year post-secondary schools throughout Minnesota that allows a student to get a waiver for classes at the post-secondary school when skills have been certified by the high school instructor. Some tech prep courses offer articulation agreements. Students should let the teacher know they are interested in learning the skills in order to receive the certificate when the course is completed.



*WHEN YOU SEE THIS SYMBOL IN THE FOLLOWING PAGES, IT INDICATES THAT THE COURSE HAS AN ARTICULATION AGREEMENT. THIS MEANS THAT A STUDENT MAY BE ABLE TO GET CREDIT FOR COLLEGE ENROLLMENT IN TECHNICAL COLLEGES WITH PROFICIENCY SHOWN IN THAT COURSE.*

### ADVANCED PLACEMENT (AP)

The Advanced Placement Program, AP, offers students the opportunity to demonstrate their mastery of college-level curriculum, earn college credit by successfully passing the AP exam, move into more challenging and interesting college courses faster, and save money on college tuition costs. Students will complete their AP exams at KWHS. Sophomore students may take AP courses, if available, and with instructor approval. There is a fee for each AP Exam a student chooses to take.

### CONCURRENT ENROLLMENT

These are courses taught by a secondary or postsecondary faculty member, for which the school is eligible to receive concurrent enrollment aid. Kenyon-Wanamingo Public Schools collaborates with Southwest Minnesota State University to offer college credit courses to our high school students on our campus. Students who successfully complete these courses generate both high school and college credit from the partnering postsecondary institution. There is no cost to the student to participate in these courses, but there are entrance requirements. These courses provide high school students advanced skills today and greater flexibility when they enter the university setting full-time.



*WHEN YOU SEE THIS SYMBOL IN THE FOLLOWING PAGES, IT INDICATES THAT THE COURSE IS TAUGHT THROUGH SMSU'S COLLEGE NOW PROGRAM. A STUDENT TAKES THIS COURSE WITH A KW TEACHER AND MAY BE ABLE TO GET CREDIT FOR COLLEGE ENROLLMENT UPON SUCCESSFUL COMPLETION OF THE COURSE.*

### COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP)

The College-Level Examination Program (CLEP) is a College Board program that allows students to accelerate their education by earning college credit by taking a computer-based test of their knowledge. Learning is through general academic instruction, independent study, extracurricular work or volunteerism. The time and money saved can be significant. Check with the postsecondary institution of your choice for their most recent CLEP credit policy. Visit the College Board website for more information.



*WHEN YOU SEE THIS SYMBOL IN THE FOLLOWING PAGES, IT INDICATES THAT THE COURSE IS ALIGNED WITH THE COLLEGE BOARD'S CLEP STANDARDS AND STUDENTS HAVE THE OPPORTUNITY TO TAKE THE CLEP EXAM. COLLEGE CREDIT CAN BE EARNED BY SUCCESSFULLY PASSING THE CLEP EXAM.*

### 9TH/10TH GRADE EXPLORE SEQUENCE

All students in Grades 9 and 10 are required to experience a Careers Sequence. The six areas of orientation will lead into the advanced portions of each program. Also, there is a careers component in each that allows students to make informed choices about their future as a student and/or employee. In 9<sup>th</sup> Grade, the three areas are Art Survey, Industrial Tech and FACS. In 10<sup>th</sup> Grade, the three areas are Health, Work Experience/Careers and Digital Literacy. Students failing a career block course or who are unable to fit it into their schedule for academic reasons will have the opportunity to make up the career block course via an elective from that department.

### ITV (WETC)

KW, ZM, Goodhue, and CF are in a partnership that allows one teacher to teach a course to students at all four sites at the same time. Interactive Television (ITV) courses can be challenging based on the style of teaching and learning. However, the group of students at any one site is small and the teacher has visual and sound access to all students. See ITV addendum for course listings.

### PSEO

Post-Secondary Enrollment Options (PSEO) is a program that allows public and non-public students in 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> graders to earn college credit while still in high school, through enrollment in and successful completion of college courses at eligible postsecondary institutions. Students generate both college credit and high school credit by successful completion of the course. For more specific information, please go to <https://education.mn.gov/MDE/fam/dual/pseo/>

- **Juniors and Seniors** may take one or more courses up to a full-time course load as defined by the post-secondary institution.
- **Sophomore specific** - In 2012, new legislation (Minn. Stat. § 124D.09), was passed that allows eligible 10<sup>th</sup>-grade students to enroll initially in one Career and Technical Education (CTE) course. This option is only open to Minnesota public schools.

PSEO institutions have full control over admissions policies. Please consult individual colleges for admissions information. Credits



received at a post-secondary institution are on the student’s high school and college records and count as courses completed at both institutions. PSEO classes do not qualify for weighted grade status. The student is responsible for meeting all the Kenyon-Wanamingo High School graduation requirements. **To assist the district in planning, public school students are required to inform their district of their intent to enroll in PSEO courses during the following school year by May 30. If public school students do not notify the enrolling district by May 30, 2020, and the enrolling district does not waive the deadline, the family may be responsible for the postsecondary tuition expense.**

### COLLEGE REQUIREMENTS

	Employment	Military	Vocational Or Technical	Community College	Traditional 4-Year College	Selective 4-Year College	Highly Selective College
<b>Examples</b>	Full or Part Time Employment	Army, Navy, Air Force, Marines, National Guard	DCTC, South Central, St. Paul College	RCTC, Inver Hills, Normandale, Anoka-Ramsey	St. Cloud, Mankato, Winona, UW-Stout, UW-River Falls	U of M, St. Olaf, Gustavus, UW-Madison	Carleton, Harvard, MIT
<b>CORE ACADEMIC REQUIREMENTS (*Credit Based*)</b>							
<b>English</b>	4	4	4	4	4	4	4
<b>Math</b>	3	3	3	3	3-4	4	4
<b>Science</b>	3	3	3	3	3-4	4	4
<b>Social Studies</b>	3.5	3.5	3.5	3.5	3.5	3.5-4	4
<b>Arts</b>	.5	.5	.5	.5	1	1	1+
<b>World Lang.</b>	Not Required	Not Required	Desirable	Desirable	2 high school credits	Completion of level 2 or 3 (at least 2 Credits)	
<b>CTE(Ind.Tech, STEM,Business, FACS)</b>	Not Required	Not Required	Desirable	Desirable	Career Pathway-specific	Career Pathway-specific	

## POLICY CONSIDERATIONS

### STATE REQUIRED GRADUATION TESTING

#### Class of 2020:

At this point in time, there is not a MN State testing requirement for students in grade 8 in the fall of 2013 and beyond. The school district must offer the opportunity for students to take a college entrance exam, but the students do not have to take it.

### CLASS RANK

All semester/final course grades (excluding pass/fail grades) in grades 9-12 are used in determining class rank. Weighted grades are used in the ranking process. Students enrolled at KWHS on October 1 of that year are included in yearly GPA ranks.

### COURSE CHANGES

Course offerings are listed in the annual KW Registration Guide. Because a course is listed in the Registration Guide, does not mean that it will automatically be offered during the given school year; therefore, it is important for students to select alternate course options. Course request data is used to tell the school administration which courses listed in the guide will be offered. The master schedule for the year is developed after students make their choices during registration. Students are expected to take the courses they selected at registration. **Please remember that once you have selected your courses along with alternate courses for next year, it will be extremely difficult to make changes in your course selection.** It is important for students to develop a four-year course plan for their high school experience. If a scheduling conflict occurs, student-selected alternate courses will be added to student schedules as necessary. Once the school year begins, the only allowed changes will be to drop a class to add a study hall, special education team request, or to add a class that is required for graduation. These changes must be made within the first three days of the semester. Any other changes will be determined by the teacher, principal, parent, and counselor on an individual basis and only due to extenuating circumstances.

### COURSE FEES

In accordance with Minnesota State Statute 123B.36 a school may require payment of fees under specific circumstances. The most common circumstances are:

1. Where the resultant product, in excess of minimum requirements and at the pupil’s option, becomes the personal property of the pupil. For example, a wood shop project built with the intention of taking it home.
2. A security deposit.
3. Courses that are not a required part of the educational program, such as driver’s training.
4. Field trips that are considered supplementary or social.
5. Items or events that are optional.
6. A reasonable rental fee for musical instruments.
7. Transportation for optional events.

Our goal is to provide advanced notice of which courses or activities have fees associated with them in the registration guide. Course syllabi should provide an itemized account of the actual costs that are supported by the fees.

### *DROPPING A COURSE*

If a student requests to drop a course after the first three days, it may result in a failing grade for the course. Courses that are dropped after the first 3 days of the semester through the sixth week will result in a "DC" on the student's final transcript. A "DC" carries the weight of an "F" grade. Written permission from parent(s), teacher, and principal must be obtained to drop a course. Students who fail the first semester of a full-year class may be dropped from that class at the end of the semester. They will be allowed to register for another course.

### *EARLY GRADUATION*

It is recommended that this process begin no later than the spring of the student's junior year. A student may be considered for early graduation from KWHS upon meeting the following conditions:

1. All course and credit requirements established by KW School Board and State Board of Education must be met.
2. A meeting with the principal, student, and parent/guardian will be held. It shall be the responsibility of school personnel to point out the opportunities available for post-secondary education. Following the meeting the principal shall make a decision on the request.
3. This decision is presented to the School Board for approval. The principal will notify the student and parents in writing of the final decision made on the request.

### *REPEATING A FAILED REQUIRED COURSE*

Students who fail a required class are required to do one of the following:

- (a) take the same class over to get credit
- (b) attend and complete a summer school course of equal credit to be promoted to the next level
- (c) do a Credit Recovery course through an approved course set up through the Counselor and/or Principal.

When the repeated course is retaken and passed, the previous attempt will be recorded as an "R" on the transcript and will be replaced by the grade from the repeated course. For (b) and (c), the failed grade will not change.

### *REPEATING A COURSE TO ACHIEVE A BETTER GRADE*

Permission is required from the teacher, parent, and principal if a student wants to repeat a course due to dissatisfaction with the earned grade, provided that grade is below a C. The most recent of the two grades earned will be used in the student's cumulative grade point average. The previous attempt will be recorded as an "R" on the transcript. Only one credit for the course will be recorded.

### *REPEATING/AUDITING A COURSE*

Students who would like to audit a course for "No Credit" may do so with permission from the Principal and/or Counselor and the teacher of the audited course. In addition, on a space-available basis, there are certain classes that upperclass students may take again as pass/fail provided there is room and the student is on a graduation path. The student may not receive credit for a second passing grade in the same course with the exception of certain Pass/Fail courses.

### *WEIGHTED GRADES*

Following is a chart of weighted classes and their grade point equivalent.

Chemistry	Biotechnology	Most AP courses	Anatomy/Physiology
Spanish III and IV	Precalculus + above	Adv. Physics	Honors Macroeconomics
Honors American Gov't	Concurrent Enrollment courses	Most CLEP courses	

Letter Grade	Non-Weighted Value	Weighted Value
A	4.0	5.0
A-	3.7	4.6
B+	3.3	4.2
B	3.0	3.8
B-	2.7	3.4
C+	2.3	3.0
C	2.0	2.6
C-	1.7	2.2
D+	1.3	1.8
D	1.0	1.4
D-	0.7	1.0
F	0.0	0.0

# KWHS COURSE DESCRIPTIONS 2020-2021

The following registration guide reflects the proposed offerings for the coming school year. Changes may need to be made due to scheduling conflicts, modification of teaching assignments or revisions that better meet the needs of our students. Please note any prerequisite to a course. The course descriptions should help you plan your schedule. Please call the HS if you have any questions. All courses are offered as a semester, ½ credit unless otherwise marked. Shaded courses are not available 2020-2021.

## AGRICULTURE EDUCATION

### **101. WORK EXPERIENCE/CAREERS (Trimester- .33 credit)**

**(REQUIRED—GRADE 10)**

Reading: 2  
Writing: 2  
Homework: 2

This class will focus on the research and choices that the students will be facing while getting ready for post secondary schooling and the world of work. The first area that will be covered will be school and career research with the use of the MCIS website. This will give the students a chance to do interest surveys, research what is needed for those careers and which schools have the education programs that cover the education requirement. Students will also spent time on post-high school applications and requirement, scholarship applications, career planning and career changing. Along with the career work, the students will also spend time on items that will be faced once they enter the world of work. Items that will be discussed will include: Employer/Employee relations; Customer service; Hazardous occupations; Labor Laws; Leadership on the job; Work Forms; Benefits; Job applications and Interview.

### **102. METALS I (Semester I)**

**(Elective—all grades)**

Reading: 2  
Writing: 1  
Homework: 1



This class will use the basic, common welding technologies of Arc, Oxy/Acetylene, and MIG welding to repair and/or make new metal projects. Students will have hands-on experience with all welding techniques. Once proficient, they will be able to plan and fabricate metal projects in the shop.

### **103. HORTICULTURE (Semester II)**

**(Elective—all grades)**

Reading: 2  
Writing: 2  
Homework: 2

Students will learn the fundamentals of plant growth and development. The class will be responsible for the production of several varieties of flowers in the greenhouse. Other topics covered will include plant propagation, tissue culture, hydroponics, and greenhouse management. Students will complete several experiments and activities to gain an understanding of the above topics.

### **104. LANDSCAPING (Semester II)**

**(Elective—grades 10 to 12)**

Reading: 2  
Writing: 2  
Homework: 2

Students will gain an understanding of the basic principles of landscape design and construction. Students will learn how to identify many common landscape plants. Create various landscape features including: ponds, walls, and patios. Students will also be given an opportunity to utilize the best landscape design software currently on the market to design a variety of landscapes. Students will also have the opportunity to install at least one complete landscape.

### **105. AGRICULTURE MECHANICS (Semester)**

**(Elective—grades 11 & 12)**

Reading: 2  
Writing: 2  
Lab Intensity: 3



**PREREQUISITE: INTRO TO MECHANICS AND METALS I**

This course focuses on trucks, tractors and other power vehicles. The main focus will be on the multiple cylinder engine. Basic engine theory including parts, measurements, trouble shooting and overhauls will be the main components. The class will include theory and hands on application of gasoline and diesel engine power.

**106. METAL FABRICATION (Semester II)***(Elective—all grades)*

Reading: 2  
 Writing: 1  
 Homework: 2

**PREREQUISITE: C OR BETTER IN METALS I**

This class will use the welding and metal working machines and tools in the shop to plan and design metal working project. A very short, hands on application of the Vertical Mill and Metal Lathe will be used to do precision metal working in application towards the development of basic small and medium sized projects. Emphasis will be placed on the planning and drawing out of these projects so that the student will have a basic written plan to go by.

**107. AG. BUSINESS MANAGEMENT (Semester I)***(Elective—grades 10 to 12)*

Reading: 2  
 Writing: 2  
 Homework: 2



This class deals with the practical application of agribusiness management techniques. Hands on labs covering business records such as basic accounting, cash flows, net worth statements, depreciation, and inventory management will be a major component of this class. We will also cover advertisement, employer/employee issues, sales and marketing. The items covered in this class can be applied to the management of any small business. Students in this course may earn their Economics standard needed for graduation.

**108. ADVANCED METALS AND MACHINING (Semester)***(Elective--- grades 10 to 12)*

Reading: 2 (Metal project blueprints)  
 Writing: 2 (Metal project plans and proposals)  
 Homework: 2

**PREREQUISITE: C OR BETTER IN METALS I**

This class will focus on the advanced application of metals for welding including all ARC, Fuel/Gas, MIG, TIG and Aluminum welding as well as working with metal forming and machining operations such as Ironworkers, Mills, Lathes and other precision power driven machinery for the forming and production of advanced metal projects

**450. INTRODUCTION TO MECHANICS (Semester)***(Elective—all grades)*

Reading: 2  
 Writing: 1  
 Homework: 1

The focus of the course is small engine technology. Students will learn the theory of operation and the basic overhaul procedures for both 2-stroke cycle and 4-stroke cycle small gas engines. Students will learn how to use a variety of mechanics tools, measuring tools and diagnostic tools to disassemble, test and reassemble a one-cylinder gas engine.

**109. WORK RECORDS (Pass/Fail, Semester I & II)***(Elective—grades 11 & 12)*

(May be Repeated, 2.0 credit maximum overall)

This course will explore ideas and develop skills and competencies that will help students succeed in a career field of their choice. The course will focus it's content on skills and competencies identified in the SCANS Report, foundation skills, thinking skills, personal qualities, resources, information, interpersonal skills, systems, and technology. Students need to maintain periodic coursework, and record of hours worked to maintain their status as a Work Records student. (see #13. Work Release also) This option is not available to online registrants. All students in Work Release must be signed up for Work Records. This is the record-keeping class for having a Work Release period. All students will fill out and turn in Work Contracts, Weekly time cards and evaluations. Work schedules, employer/employee relations and customer service will be evaluated for this PASS/FAIL credit.

**110. ANIMAL PRODUCTION (Semester)***(Elective— all grades)*

Reading: 2  
 Writing: 2  
 Homework: 2



This course will cover a variety of subjects in the science of animal production. Some of the areas will include: animal health, nutrition, production practices, reproduction, sales and economics. The students will work with traditional animals, new species production and companion animals. The class will also explore careers in the animal industry and research college animal science programs.

**111. AGRICULTURE POWER (Semester)****(Elective—grades 11 & 12)**

Reading: 2  
 Writing: 2  
 Lab Intensity: 2

**PREREQUISITE: INTRO TO MECHANICS AND METALS I**

This course focuses on the assembly, operation, adjustment and reconditioning of agricultural equipment, tractors and trucks. The students will work on new and used equipment set-up and repair using technical information on line and in repair and operations manuals. They will trouble shoot and diagnose problems that will be repaired during a restoration and repair project in the shop.

**112. AGRONOMY (Semester II)****(Elective—all grades)**

Reading: 2  
 Writing: 2  
 Homework: 2



Students in this class will explore the traditional and the new plant production techniques used today in the world of Plant Agriculture. The class will focus on the new production techniques that save on inputs and the environment. Time will also be spent on the developing crops and their uses. Crops from corn to grapes, the ethanol industry and new products will be covered. In this class we will look at what is being developed now for the future of the food and fiber industries.

**114. RESOURCE/WILDLIFE (Semester)****(Elective—all grades)**

Reading: 2  
 Writing: 2  
 Homework: 2

This class will cover many of the natural resources that we encounter in the agricultural industry. Areas covered will include soil and water conservation, wildlife preservation and utilization, and management of our raw product/wildlife resources. The agricultural industry and our environment have to find balance so we may continue to feed and clothe our population, while preserving our surroundings. A major part of the course will deal with agencies such as the DNR, Farm Services, USDA and Soil Conservation Service. There will be many outdoor activities that will be implemented in the class to reinforce the lessons.

**115. AGRICULTURE ELECTRIFICATION (Semester)****(Elective—grades 11 & 12)**

Reading: 2  
 Writing: 2  
 Lab Intensity: 4



This course will utilize the National Electrical Codes to develop skills needed for basic building and residential wiring. In this class we will include proper cable size, switch devices, lights, motors and other electrical machinery. We will cover both direct and alternating current and their uses throughout the wiring industry. This course will be a great lead-in to individuals who want to go into electrical careers and would also be useful for those individuals who want a general understanding of electricity for basic repairs.

**116. AGRICULTURE STRUCTURES (Semester)****(Elective—grades 11 & 12)**

Reading: 2  
 Writing: 2  
 Lab Intensity: 2



This course will cover all areas of building construction from foundations to roof. Classes will work through design, application and pricing principles for various structures found on building sites. We will cover post and pier, post and girder, stud wall and masonry wall construction. Current Minnesota Building Codes will be applied in a hands-on application of building sheds as a class project. Construction trades will be discussed and alternative building materials and designs will be covered.

**117. SMALL ANIMAL PRODUCTION & CARE (Semester)****(Elective—grades 9 to 12)**

Reading: 2  
 Writing: 2  
 Homework: 2

This class will work with the common methods of growing and caring for companion animals (pets). We will deal with growth and production, reproduction, nutrition, grooming and health care. Small animal care is the largest and fastest growing area of the Veterinarian field. This would be a great introductory course for individuals looking into the Vet. Tech. career path.

## **121. SUMMER AGRICULTURE**

*(Elective—grades 9 to 12)*

Reading: NR

Writing: NR

Homework: NR

This class will work in conjunction with many of the FFA awards and programs as well as students placed in Worked Based Learning environments. It will consist of the documentation of 90 hours of classroom and/or farm or agribusiness work that will be verified by the Vocational Agriculture instructor through record checks and participation in summer fairs, meetings, leadership camps and judging contests. Students may enroll in Summer Agriculture course each year from 9th to 12th grade. This option is not available to online registrants. Sign up with the Agriculture Teacher before the end of the school year.

## **ART/GRAPHICS**

### **150. ART SURVEY 9 (Trimester - .33 credit)**

*(REQUIRED—GRADE 9)*

Reading: 2

Writing: 1

Homework: 2

Art is all around us. ART SURVEY is an introductory and prerequisite course for all high school art courses. This course helps students develop skills in using line, shape, texture, color, value and space in art. Student's will do design projects as well as some drawing and three-dimensional art.

### **159. 2D ART I (Semester)**

*(Elective—all grades)*

Reading: 2

Writing: 1 \$20 lab fee

Homework: 2

Students will have the opportunity to create using drawing, painting, photographic, and digital techniques. They will increase their understanding and appreciation of art through responding to and making two-dimensional visual images. They will examine, analyze, interpret, and judge traditional and contemporary works of art and artifacts to discover how artists have used the following features of art: elements, principles, subject matter, media, techniques, styles, and products/function. Individual and group experiences will promote problem solving, creative thinking, and formal expression.

### **162. 2D ART II (Semester)**

*(Elective—grades 10 to 12)*

Reading: 2

Writing: 3 \$20 lab fee

Homework: 2

#### **PREREQUISITE: 2D ART I**

Students will build on what they learned in 2D Art I. Students will have more choice in the types of projects they create as well as work with more advanced materials such as painting on canvases and Photo-editing software.

### **153. 3D ART (Semester)**

*(Elective—all grades)*

Reading: 1

Writing: 2 \$10 lab fee

Homework: 2

The course is designed to introduce students to a variety of different mediums that are not part of traditional two dimensional art classes. Much of the course involves techniques and artistic exploration in ceramics. There is a \$10 fee suggested to cover the costs of take-home projects. You may purchase these on your own, as well, to participate in this class. This course will introduce students to a variety of sculpture based art forms including: clay, jewelery making, sculpting, and construction of found object sculptures.

### **158. 3D ART II (Semester)**

*(Elective—grades 10 to 12)*

Reading: 1

Writing: 2 \$10 lab fee

Homework: 2

#### **PREREQUISITE: 3D ART**

3D Art II will build on the skills learned in 3D Art I. Students will explore more advanced techniques in ceramic art such as mixing glazes, using different clay bodies, experience reductive sculpture such as carving and creating more complicated forms. Students will also explore how the understanding of three dimensional art can help prepare them for a variety of careers within and outside of visual arts.

**163. 2D ART II- PORTFOLIO DEVELOPMENT (By agreement only) (Elective—grades 11 & 12)**

Reading: 2  
Writing: 1  
Homework: 2

**PREREQUISITE: ART SURVEY 9 AND INSTRUCTOR PERMISSION AND ONE CREDIT OF ART WITH A OR B AVERAGE**

Students will pursue their interest in two dimensional art and design with the goal of producing a 12 image portfolio by the end of the semester that can be used to apply for art scholarships and as part of college applications (even if you have no interest in an art major). 2D Art II Portfolio Development is an opportunity to concentrate on a type of art students are specifically interested in or a concept they want to explore in depth. Students will also be provided opportunities to enter their work in local contests and display their art in the community. This option is not available to online registrants but should be written on the registration sheet.

**164. 3D ART II- PORTFOLIO DEVELOPMENT (By agreement only) (Elective—grades 11 & 12)**

Reading: 2  
Writing: 1  
Homework: 2

**PREREQUISITE: ART SURVEY 9 AND INSTRUCTOR PERMISSION AND ONE CREDIT OF ART WITH A OR B AVERAGE**

Students will pursue their interest in three dimensional art and design with the goal of producing a 12 work portfolio by the end of the semester that can be used to apply for art scholarships and as part of college applications (even if you have no interest in an art major). 3D Art II Portfolio Development is an opportunity to concentrate on a type of art students are specifically interested in or a concept they want to explore in depth. Students will also be provided opportunities to enter their work in local contests and display their art in the community. This option is not available to online registrants but should be written on the registration sheet.

**155. AP STUDIO ART (By agreement only) Semester I (Elective—grade 12)**

**156. AP STUDIO ART (By agreement only) Semester II (Elective—grade 12)**

Reading: 2  
Writing: 1  
Homework: 2

**PREREQUISITE: PREREQUISITE: ART SURVEY AND INSTRUCTOR PERMISSION AND ONE CREDIT OF ART WITH A OR B AVERAGE**

This course is an independent study course for highly motivated students who are interested in the arts. Students wishing to be in the AP Studio Art option need to have a course plan approved by Mr. Eggerstedt PRIOR to enrollment. This option is not available to online registrants. There are three potential foci here including two- and three-dimensional design as well as Drawing. Please see the instructor for further details.

**160. YEAR BOOK (Semester) (Elective—grades 11 to 12)**

This class will be responsible designing and completing pages for the High School Year Book. Approval from Mr. Eggerstedt is needed prior to taking this course and credit is available to those chosen for a leadership role such as editor, co-editor, business manager, or head photographer.

## BUSINESS EDUCATION

**157. PHOTOSHOP (Semester) (Elective—grades 10 to 12)**

Reading: 2  
Writing: 2  
Homework: 2

This course will provide a basic understanding of Adobe Photoshop. This class will help students understand better how to use different graphic design programs as well as how to make visually pleasing images. At the conclusion of this course, students will have the opportunity to gain an articulation certificate that may be presented to 2-year institutions.

**200. DIGITAL LITERACY (Trimester - .33 credit) (REQUIRED—GRADE 10)**

Read: 2  
Writing: 3  
Homework: 2

This trimester course will focus on a variety of topics related to the digital world we not only live in, but work, learn, and play in! Students will learn the risks and threats to computer security and privacy so that they can understand the global impacts of computing. Students will learn the benefits and dangers associated with social networking and social media. Students will learn and explore new digital technologies that are shaping the world they live in while the strongly emphasized theme of keeping their family, friends, and themselves safe.

**201. MS APPS I (Semester I)****(Elective—grades 9 to 12)**

Reading: 3  
Writing: 3  
Homework: 1

This hands-on course examines three Microsoft software applications (Word, Excel, and PowerPoint). This course progressively builds on previously established computer application concepts. In addition to independent projects, students will be required to participate in daily computer based class work assignments to demonstrate application proficiency. Class participation and cooperative learning in which students learn from each other and help each other is an important element of this course and part of each student's grade. This course will teach students how to learn to identify and solve software problems, work together and help each other and to think critically. Students will learn how to do something as well as be able to identify why and when to use it.

**206. MARKETING I (Semester I)****(Elective—grades 10 to 12)**

Reading: 3  
Writing: 2  
Homework: 2

Marketing is one of the major ingredients of business. Students will learn that marketing strategies are changing rapidly as a result of technological innovations and the need for businesses to become active players in the international marketplace. Since several other functional areas of business (accounting, finance, and management) are tied directly to marketing, the study of marketing helps students gain a clearer picture of the importance of these areas. The focus will be learning how markets identify and target particular segments of the market, conducting market research, analyzing market opportunities and implementing the elements of the marketing mix: product, place, promotion, pricing decisions, and strategies. The cornerstone of the class will be creating a marketing plan for a product you develop. This course is highly recommended for any students considering a post-secondary education in business. Case studies, educational videos, and a wide variety of online activities will be used to enhance learning.

**213. MARKETING II (Semester II)****(Elective—grades 10 to 12)**

Reading: 3  
Writing: 3  
Homework: 3

**PREREQUISITE: MARKETING I**

Students will build on the marketing concepts and take a more in-depth look at how the "4 Ps" apply to all businesses. Topics include: new product development, marketing communications, marketing research, internet and international marketing. Students will conduct market research on a school related topic, apply marketing concepts into the development of their own business plan, and investigate the challenges of international markets. In addition, students will take a closer look at the impact marketing has on consumers. Students will not only become more knowledgeable on marketing issues, but they will most certainly become better and wiser consumers!

**217. COMPUTER PROGRAMMING (Semester)****(Elective—grades 9 to 12)**

Reading: 3  
Writing: 3  
Homework: 2

This course will introduce a student to computer programming. The course content will cover both procedure-oriented and object-oriented programming. Structured programs will be written with a computer programming language with an emphasis on procedure-oriented programming. Topics will include objects, classes, methods, properties, flowcharting, pseudocode, top down design, logic structures, data types, decisions, subroutines, looping and arrays. The course will also discuss current events and ethical issues that relate to the computer world today as well as look at different computer science careers.

**208. PERSONAL FINANCE (Semester)****(Elective—grades 11 to 12)**

Reading: 3  
Writing: 2  
Homework: 3

This course helps students to understand the consumer's role in a mixed economy. Students will learn about various topics that they will use their entire life. Topics of study include budgets, money management, consumer rights and responsibilities, credit, purchasing of goods and services, protecting against risk, making sound investment plans and preparing individual tax returns. This class will also cover financial problem solving and decision-making.



**214. GAME:IT (Semester I)****(Elective—grades 10 to 12)**

Reading: 3  
 Writing: 2  
 Homework: 2

Game:IT is an introduction to computer programming through game design. The focus of this curriculum is to build a strong foundation in the full spectrum of 2D game development. GAME:IT looks at both coding and building games, but also dives into theories that differentiate games from each other. You DO NOT need to have experience in programming. This course utilizes Construct 2, a powerful game creator that uses "drag-n-drop" programming, so anybody familiar with Windows and using a mouse will be able to start creating games. As the game projects get more complex, you will be introduced to more advanced features such as variables, functions, arrays, and loops. Construct 2 it is a terrific tool for beginners, but allows advanced users to build full featured games. Throughout the class you will be learning (or reinforcing) technical skills like programming, graphic design, animation, testing/debugging as well as forming and working in project development teams, learning how the engineering design cycle is incorporated into problem solving and game design, how physics and math play a critical role in making games realistic, how to develop, program and market an original game, and much more!

**207. PERSONAL & BUSINESS LAW (Semester)****(Elective—grades 10 to 12)**

Reading: 3  
 Writing: 2  
 Homework: 3

This course includes the study of practical application of law dealing with the individual's need for protection of his/her personal rights and obligations in everyday life and business agreements. Students will study the origin of law, ethics, legal terminology, contracts, insurance, and property rights (renting, owning). This course is filled with practical content that can be applied in the daily life of a student. Students will be challenged to think analytically as they study classic legal cases as well as recently decided cases. The course will include the following topics: contract law, property law, and employment law.

**215. INTRODUCTION TO ONLINE BROADCASTING (Semester)****(Elective—grades 10 to 12)**

Reading: 3  
 Writing: 3  
 Homework: 3

Introduction to Online Broadcasting is an introductory "Hybrid" course that provides students with a hands-on experience working with video production and online broadcasting through Kenyon-Wanamingo's NFHS Channel. Students will be required to be available outside of school hours to live stream sporting and other KW events.

**216. GENERAL BUSINESS (Semester)****(Elective—grades 9 to 12)**

Reading: 3  
 Writing: 2  
 Homework: 2

This course will introduce students to the world of business and help prepare them for the roles of consumer, worker and citizen. The class will assist students in consumer decision-making, prepare for future employment, and help them effectively perform responsibilities as a citizen. This course will build a knowledge base for other business courses such as Marketing, Entrepreneurship, Accounting, Finance, Management, and Banking and Credit. This course helps students to prepare for the growing complexities of the business world.

**CAREER AND COLLEGE READINESS****911. ADVISORY (.25 credit)****(REQUIRED—All Grades)**

Reading: 1  
 Writing: 1  
 Homework: 1

Students will develop and consistently modify their four-year high school plan as they identify and prepare for post-secondary opportunities. All students are required to participate in advisory periods. Students receive guidance from their assigned faculty member. These sessions are generally scheduled for the second and fourth Wednesday of each month. An alternate schedule is used on advisory days.

**912. ACT & COLLEGE PREP (Semester)***(Elective grades 10 to 12)*

Reading: 2  
 Writing: 2  
 Homework: 1

This course will allow students to prepare for the college entrance tests with a primary focus on the ACT test. This class is designed for juniors and seniors who want to score well on their ACT test or to improve their ACT scores. Throughout the semester, we will discuss important information related to preparing for college, applying to colleges, choosing a college and completing scholarship applications. We will also discuss important information relating to college requirements, tuition and financial aid.

**ENGLISH**

Minnesota students are required to participate in State required tests to graduate from a Minnesota high school. For details, please see Graduation Testing under Policy Considerations. The main objectives of the KWHS English program are to prepare students for both 2- and 4-year post-secondary programs, meet state graduation requirements, and to provide a well-rounded program in literature, grammar, writing and communication.

Grade	Course
9 <sup>th</sup> Grade	English 9 A & B
10 <sup>th</sup> Grade	English 10 A & B
11 <sup>th</sup> Grade	English 11 A & B <b>OR</b> AP Literature & Composition A* & B* <b>OR</b> <u>Two (2)</u> of the following semester-long English electives: Creative Writing, Horror Mystery & Science Fiction, Speech for Real Life, Humanities*, College Academic Writing*
12 <sup>th</sup> Grade	English 12 A & B <b>OR</b> AP Literature & Composition A* & B* <b>OR</b> <u>Two (2)</u> of the following semester-long English electives: Creative Writing, Horror Mystery & Science Fiction, Speech for Real Life, Humanities*, College Academic Writing*

**300. ENGLISH 9 A (Semester I)*****(REQUIRED—GRADE 9)*****301. ENGLISH 9 B (Semester II)*****(REQUIRED—GRADE 9)***

Reading: 2  
 Writing: 3  
 Homework: 2

This course will cover a variety of areas. These include, but are not limited to, research and writing, reading and analyzing short stories, poetry, a novel, and a play. Special emphasis will be placed on grammar and the mechanics of writing.

**320. ENGLISH 10 A (Semester I)*****(REQUIRED—GRADE 10)*****321. ENGLISH 10 B (Semester II)*****(REQUIRED—GRADE 10)***

Reading: 3  
 Writing: 3  
 Homework: 2

The curriculum includes the reading, study, and evaluation of short stories, poetry, drama, non-fiction, and novels. The communication process, grammar/vocabulary, literary analysis, academic and creative writing will receive major emphases in this course. The course prepares students for the MCA Reading exam through fiction and non-fiction reading and skill practice

**308. ENGLISH 11 A (Semester I)*****(Elective—GRADE 11)*****309. ENGLISH 11 B (Semester II)*****(Elective—GRADE 11)***

Reading: 3  
 Writing: 3  
 Homework: 2

The English literature curriculum will examine mythology, English forms and style of poetry, non-fiction, novels, drama and satire. In the second semester, there is a focus on the communication process. Argumentative, analytical, and creative writing in conjunction with critical thinking and reading skills are stressed. On-going skill development in vocabulary, parts of speech, punctuation, and grammar are reviewed and practiced in preparation for the ACT, SAT, ASVAB, or ACCUPLACER.

**310. AP LITERATURE/COMPOSITION A\* (0.75credit)**

*(Elective—grades 11 & 12)*

**311. AP LITERATURE/COMPOSITION B\* (0.75credit)**

*(Elective—grades 11 & 12)*

Reading: 4

Writing: 4

Homework: 4

**PREREQUISITE: B or better in their prior Language Arts course or a recommendation from a previous Language Arts teacher. In addition, required summer assignments must be completed by course start date. This challenging course will prepare you for a freshman, college-level literature course.** The purpose of this course is to provide students with an understanding of semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. By composing for different purpose and audience, students will become more skilled writers. This course is intended to challenge and promote: independent, logical and critical thinking; good study skills, and academic achievement. Students will receive college-level instruction in studying a variety of literature representing a spectrum of genres including poetry, short story, drama, fiction and non-fiction. Studies will include British and American authors from various time periods. Analysis of literature and academic writing in response to the various works and genres are emphasized. Literary terms and devices are scrutinized in works. Application through academic writing is evaluated.

**312. COLLEGE PREP ENGLISH A (Semester I)**

*(Elective—grade 12)*

**313. COLLEGE PREP ENGLISH B (Semester II)**

*(Elective—grade 12)*

Reading: 4

Writing: 4

Homework: 3

This course is designed to prepare students for a 4-year college or university. Areas of emphasis will include analytical thinking, inferential thinking, literature, essay writing, and the research process. The emphasis in this course will be on college-level writing as well as speech communication. Literature study may include Hamlet, Silas Marner, A Tale of Two Cities, or similar works.

**314. ENGLISH 12 A (Semester I)**

*(Elective—grade 12)*

**315 ENGLISH 12 B (Semester II)**

*(Elective—grade 12)*

Reading: 2

Writing: 3

Homework: 2

This course is designed to prepare students for a 2-year college or vocational training program and entrance into the job market. Areas of emphasis will include technical reading and writing skills, and professional writing and speaking skills. Specific assignments may include technical manual reading/writing, resume & cover letter, and mock interviews.

**316. AP ENGLISH LANGUAGE / COMPOSITION A\* (0.75 credit)**

*(Elective—grades 11 & 12)*

**317. AP ENGLISH LANGUAGE / COMPOSITION B\* (0.75 credit)**

*(Elective—grades 11 & 12)*

Reading: 4

Writing: 4

Homework: 4

**PREREQUISITE: B or better in their prior Language Arts course or a recommendation from a previous Language Arts teacher. In addition, required summer assignments must be completed by course start date.**

In accordance with the AP College Board course description, this class will engage “students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes” (The College Board, AP English Course Description, May 2007, May 2008: 6). Students will read primarily non-fiction materials in this course, but will also analyze poetry, fiction, and visual materials to examine rhetorical choices and contextual relationships. This course will culminate in the AP English Language and Composition Exam; students will be given practice questions that will mirror the intensity of the exam. **Be aware that this course is the equivalent of an introductory college composition course; it will be rigorous and challenging.** If you earn a three or higher, many colleges grant six semester hours (or the equivalent) of credit toward satisfying a liberal arts or distribution requirement in English; others grant six credit hours for a specific first-year composition or English course that emphasizes expository writing.

**318. CREATIVE WRITING (Semester)***(Elective—grades 10 to 12)*

Reading: 2  
 Writing: 3  
 Homework: 3

This class explores various mediums of works to discover the elements of creativity. In this course, the class explores creativity through analyzing, interpreting, valuing, researching, and writing. Students will explore and practice using their writer's voice, producing a creative writing portfolio containing short story, poetry, expository writing, and biographical sketches. The writer's workshop and group collaboration for purpose, audience, and feedback is practiced.

**324. HORROR, MYSTERY & SCIENCE FICTION (Semester)***(Elective—grades 11 to 12)*

Reading: 2  
 Writing: 2  
 Homework: 2

**PREREQUISITE: SUCCESSFULLY EARNED CREDIT IN ENGLISH 9 AND 10**

In this course, students will read horror, mystery, fantasy and science fiction short stories and novels. Students will analyze and discuss the distinguishing elements of each genre. The reading list and focus is expected to vary with the interest of the students in the class. Emphasis is on reading for pleasure. Students must compose and tell an original story.

**325. SPEECH FOR REAL LIFE (Semester)***(Elective—grades 11 to 12)*

Reading: 2  
 Writing: 2  
 Homework: 2

**PREREQUISITE: SUCCESSFULLY EARNED CREDIT IN ENGLISH 9 AND 10**

A public speaking course designed to develop self-confidence through several types of speaking situations: formal, informal, and impromptu. Students learn how to analyze an audience and how to prepare an effective presentation through research and use of visual aids. In addition, students learn to develop listening skills and a greater command of the English language. Constructive valuation and videotaping of student speeches lead to self-improvement.

**323. HUMANITIES (Semester)***(Elective—grades 11 to 12)*

Reading: 2  
 Writing: 2  
 Homework: 2

**PREREQUISITE: SUCCESSFULLY EARNED CREDIT IN ENGLISH 9 AND 10**

Humanities studies the history and development of human thought and culture. By focusing on literature, history, philosophy, art and film, humanities courses seek a broad and interconnected understanding of the human experience. Introduces themes and methods of inquiry of the Humanities.

**322. COLLEGE ACADEMIC WRITING\* (Semester)***(Elective—grades 11 to 12)*

Reading: 4  
 Writing: 4  
 Homework: 4

**PREREQUISITE:**

- Be at least 16 years old.
- Juniors must be in the top 1/3 of their class or have a math ACT of 24 or a PLAN score of 19.
- Seniors must be in the top 1/2 of their class or a math ACT of 21 or a PLAN score of 17.
- Have a minimum high school GPA of 3.0.



ENG 151/College Academic Writing is the primary entry-level writing class for all SMSU students and is one of the core first-year liberal arts classes. ENG 151 serves as a beginning point for helping students engage in the LAC goal to “communicate effectively.” Towards this end, ENG 151 will enable students to determine a writing purpose, generate ideas to support a topic, determine an audience, develop a focus, and organize a written text, beginning with more personal, or “reflective,” writing and moving on to expository writing and argument. At least two of these papers will involve a research component through which students begin to learn the conventions of citation and documentation. Furthermore, the class will enable students to learn how purpose and audience affect the content, language, and form of a written text. Students must meet minimum writing objectives as determined by the English Department’s placement procedures in order to be placed into this course.

## FAMILY AND CONSUMER SCIENCE (FACS)

### **500. INTRO FACS 9 (Trimester - .33 Credit)**

**(REQUIRED – Grade 9)**

Reading: 1  
Writing: 2  
Homework: 1

This introductory course is designed for students to explore various areas of Family and Consumer Science. Topics may include foods, child development, interior design, sewing, personal finance and career exploration. Students will cover the same general topics that were covered in Explore FACS 7, but with more advanced lessons, units and projects.

### **501. FOODS I (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 1

PREREQUISITE: INTRO FACS 9

This course is designed to teach cooking skills that will be used throughout life. Students will also learn about the importance of nutritional health through food selection and preparation methods. Current food-related topics such as consumerism, safety and sanitation and the scientific principles of food preparation will also be discussed. This course provides weekly lab opportunities to learn cooking skills in a team atmosphere.

### **502. FOODS II (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 1

PREREQUISITE: FOODS I

This course is designed to give students the opportunity to build on previous skills learned in Foods I. Students will explore advanced techniques for preparing foods, special dietary needs of individuals as well as regional and ethnic foods. They will also learn about the vast number of careers available in the food industry through cooking labs, presentations and demonstrations. Students will be involved in weekly cooking labs to enhance their cooking skills.

### **503. FASHION DESIGN I (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 1  
Homework: 1

PREREQUISITE: INTRO FACS 9

This course will include a study of fashion design and sewing fundamentals. Students will have the opportunity to design, create and market their own clothing and accessory line. They will also have the opportunity to complete various sewing projects. This class will give students basic sewing knowledge that will be helpful in careers such as fashion, interior design, speech and theater, elementary education, early childhood and art. Students will have the opportunity to purchase materials and supplies for their sewing projects.

### **504. FASHION DESIGN II (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 2

PREREQUISITE: FASHION DESIGN I

Fashion Design II is a course designed to provide fundamental knowledge of the fashion industry. Students will explore past and present fashions, apparel and accessories, principles and elements of design and drawing fashion figures and garments. Students will also explore careers within the fashion industry. Students will have the opportunity to purchase materials and supplies for various sewing projects.

### **505. INTERIOR DESIGN I (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 2

PREREQUISITE: INTRO FACS 9

This course will include a study of housing options, designs, architecture and careers in housing and interior design. Students will plan and design living spaces while considering space, budget and lifestyle. Students will investigate housing options and complete projects to plan living spaces using the principles and elements of design. They will also have the opportunity to design and complete

design scenarios. This is a great class for students interested in learning about careers related to architecture, interior design, real estate or home construction. Guest speakers will be invited to share information on careers in housing and interior design.

**506. INTERIOR DESIGN II (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 2

**PREREQUISITE:** INTERIOR DESIGN I

This course will build on skills and concepts learned in Interior Design I. Students will plan and design spaces while considering furnishings and decorations appropriate for the space, budget and lifestyle. Students will demonstrate knowledge of principles and elements of design by creating a display board with samples for a room in a clients' house and a design portfolio of their projects. A 3-D home will be designed and constructed. This course is designed for students who are interested in interior design careers.

**507. CHILD DEVELOPMENT I (Semester 1)**

**(Elective—grades 10 to 12)**

Reading: 2  
Writing: 2  
Homework: 2

**PREREQUISITE:** INTRO FACS 9

This course is an in-depth study of the growth and development of a child from conception to school age, emphasizing the needs of the child and the responsibilities of the caregiver. Students will learn how a child grows and develops physically, socially and intellectually. They will have the opportunity to take a Real Care Baby home for the weekend to develop a better understanding of parenting responsibilities. They will also learn about various careers associated with young children, such as early childhood education, elementary education or nursing.

**508. CHILD DEVELOPMENT II (Semester II)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 2  
Homework: 1

**PREREQUISITE:** CHILD DEVELOPMENT I

This course will focus on utilizing concepts learned in Child Development I to learn about theme development, lesson planning and guidance techniques for preschool aged children in an educational setting. After planning various lessons including activities, students will be able to organize, plan and teach in a preschool/daycare setting. This is a great class for students interested in careers associated with young children.

**510. INNOVATIVE FOODS (Semester)**

**(Elective—grades 11 and 12)**

Reading: 1  
Writing: 2  
Homework: 1

**PREREQUISITE:** *B or better in FOODS I AND II*

This course is designed to show students how to develop new food products and unique recipes, building on previous skills learned in Foods I and II. They will work in groups to create numerous recipes from different categories and develop a complete menu of their work. They will work collaboratively to prepare, package, market and sell their own new food products. Students will also prepare taste test evaluations for taste panel participants to complete. Students will be involved in weekly cooking labs to enhance their cooking skills.

**511. COLL. INTRO TO GROWTH AND DEVELOPMENT\* (Semester)**

**(Elective—grades 11 and 12)**

Reading: 2  
Writing: 2  
Homework: 3

**PREREQUISITE:**

- Be at least 16 years old.
- Juniors must be in the top 1/3 of their class or have a math ACT of 24 or a PLAN score of 19.
- Seniors must be in the top 1/2 of their class or a math ACT of 21 or a PLAN score of 17.
- Have a minimum high school GPA of 3.0.

This is an introductory study of child growth and development from conception through adolescence with a concentration on the physical, cognitive, and social-emotional domains of development. Emphasis areas of the course include: historical foundations and theories associated with the study of child development, the research process, the implications of teaching and learning, student



diversity and pertinent topics associated with the possible effect of environment and behavior on prenatal development through adolescence.

**914. COLL. INTRO TO EDUCATION\* (Semester)**

**(Elective- grades 11 and 12)**

Reading: 2  
Writing: 2  
Homework: 3



**PREREQUISITE:**

- Be at least 16 years old.
- Juniors must be in the top 1/3 of their class or have a math ACT of 24 or a PLAN score of 19.
- Seniors must be in the top 1/2 of their class or a math ACT of 21 or a PLAN score of 17.
- Have a minimum high school GPA of 3.0.

This course offers students an opportunity to explore teaching as a personal career goal. This class emphasizes the importance of multiculturalism, diversity, and the sociocultural/political realities of public schooling and teaching. Students will volunteer in classrooms in a service-learning capacity, attend class, make presentations, write reflective papers, participate in discussions, and engage in small group learning activities.

**HEALTH AND PHYSICAL EDUCATION**

**400. INTRO TO PHYSICAL EDUCATION (Semester)**

**(Elective—grades 9)**

Reading: 1  
Writing: 1  
Homework: 1

Students will participate in a variety of activities that promote life-long fitness and general well-being. This class is designed to help students incorporated health-related fitness concepts and training principles into group activities and individual fitness plans. Since this is an activity class, participation is mandatory.

**401. HEALTH 10 (Trimester - .33 credit)**

**(REQUIRED—GRADE 10)**

Reading: 2  
Writing: 2  
Homework: 2

Health class will focus on individual lifestyle choices and behaviors, decision-making, refusal skills and responsibilities. During the course of study students will gather information and evaluate their individual lifestyle behaviors and choices in the areas of personal safety and prevention, alcohol, tobacco, drugs, and AIDS, sexuality-relationships, dating, abstinence, birth control, STD's, consumer health, and individual/community health.

**402. TEAM SPORTS – Fall (Semester I)**

**(Elective—grades 9 to 12)**

Reading: 1  
Writing: 1  
Homework: 1

This section will concentrate on team and individual sports participation. Team sports included in this class are Flag Football, Soccer, Volleyball, Floor Hockey and La Crosse.

**403. ADVANCED HEALTH OCCUPATIONS (Semester)**

**(Elective—grades 10 to 12)**

Reading: 2  
Writing: 2 \$10 Lab Fee  
Homework: 2

Students will explore current health issues and topics, as well as, health-related careers. This class will include reading, research, class discussion, guest speakers, and field trips to health-related work places. Students interested in any aspect of the health field are urged to take this class. Student will also learn basic athletic training principles, such as taping and wrapping.

**404. WEIGHTS & RECREATION (Semester)**

**(Elective—grades 10 to 12)**

Reading: 1  
Writing: 1  
Homework: 1

This class will concentrate on each student's personal fitness and recreation activities. Each student will design his/her own fitness program including weight training and cardiovascular activities. Students will also participate in group recreational activities.

**405. INDIVIDUAL FITNESS/ SPORTS (Semester) (Elective—grade 9 to 12)**

Reading: 1  
Writing: 1  
Homework: 1

This course will concentrate on the components of individual lifelong sports knowledge and development, as well as to develop a student’s ability to develop and maintain a health physical fitness level later in life. Individual sports included in this class are Golf, Badminton, Ping Pong, Bowling, Pickle Ball, Track/Field, Orienteering, Roller Blading/Biking and Fitness.

**406. TEAM SPORTS – Spring (Semester II) (Elective—grades 9 to 12)**

Reading: 1  
Writing: 1  
Homework: 1

This section will concentrate on team and individual sports participation. Team sports included in this class are Basketball, Speedball, Team Handball, Softball and Ultimate Frisbee. There is also a fitness component that all students will be working on. Team play and sportsmanship will be emphasized. All students will be required to dress.

**407. SHAPE-UP FITNESS (Semester) (Elective—grades 10 to 12)**

Reading: 2  
Writing: 2  
Homework: 2

This class will concentrate on each student’s personal fitness. Students will expand their knowledge of concepts in physical fitness, training principals, and nutrition. Students will self-assess current levels of fitness, set individual goals, develop a fitness plan, and evaluate progress. Activities include weight training, Yoga, Pilates, Tae-bo, power walking, muscle toning, and cardio training.

**INDUSTRIAL TECHNOLOGY**

**451. INTRO TO INDUSTRIAL TECHNOLOGY 9 (Trimester-.33 Credit) (REQUIRED-GRADE 9)**

Reading: 1  
Writing: 1  
Homework: 1  
\$5 FEE REQUIRED FOR TAKE HOME PROJECTS

The students will learn basic mechanical drafting techniques. The Solidworks software program will be used to create 3D shapes for 3D printing and creating plans for machine tool construction. All of the woodworking machines will be used to create a functional wood project. A community service project is also required.

**463. WOODWORKING I (Semester I) (Elective—grades 10 to 12)**

Reading: 1  
Writing: 1  
Homework: 1  
FEES REQUIRED FOR TAKE HOME PROJECTS

**PREREQUISITE: IT 9**

This class will allow the student to experience all of the hand, power, and stationary tools to complete various assigned woodworking projects from the simple to the moderately complex. The basic understanding of wood properties and types of wood will also be covered. The school district and donations from outside sources will cover the cost of materials for a majority of the required projects unless the student wishes to purchase the project to take home. The material costs will be calculated by the student and instructor. A plan of procedure will also be completed before construction. Material will be available from the school or the student may bring their own for projects they wish to take home. Students will be required to complete a project for a community service requirement for the class. Students will: identify and demonstrate the safe use of the basic woodworking tools, machines, joinery and materials; design and create a working drawing of a small functional woodworking project that will incorporate a majority of the woodworking machines and demonstrate the ability to make linear measurements; list the materials and calculate the cost of the project; create a plan of procedure listing the steps involved in the construction of the project; demonstrate proper personal safety practices while working in the lab environment.



#### **464. WOODWORKING II (Semester II)**

*(Elective—grades 10 to 12)*

Reading: 1

Writing: 1

Homework: 1

FEEES REQUIRED FOR TAKE HOME PROJECTS

##### **PREREQUISITE: WOODWORKING I**

This class will allow the student time to build a woodworking project of their choice. A review of the safe use of power machines, hand tools, processes and materials used in a woodworking shop will be required. A design, list of materials, and plan of procedure will also be completed before construction. The cost of materials for the project will be the responsibility of the student. Materials can be purchased through the school, through an outside source or brought from home. A community service requirement is also included in this class which may be working on projects such as set building for the all school play or project work for someone other than the student. Students will: Identify and demonstrate the safe use of the woodworking machines, tools, joinery and materials required; Design a functional woodworking project; List the materials and calculate the cost of the project; Create a plan of procedure listing the steps involved in construction of the project; Demonstrate proper personal safety practices while working in the shop environment; Calculate the hours and the cost of the labor requirements after completion of the project including overhead costs

#### **465. CARPENTRY (Semester)**

*(Elective—grades 11 to 12)*

Reading: 1

Writing: 1

Homework: 1

FEEES REQUIRED FOR TAKE HOME PROJECTS

##### **PREREQUISITE: WOODWORKING I, II**

The study of tools, material, and techniques will lead into a class activity of construction of a wood frame building, such as a garage or storage shed. Interpreting building plans and understanding the building process will be emphasized. Various trade exploration activities will also be presented in the areas of household electrical wiring, brick laying, plumbing, heating, insulation, fire stopping, painting, siding, windows, doors and sheet rocking.

#### **453. ROBOTICS (Semester I)**

*(Elective—grades 9 to 12)*

Reading: 1

Writing: 1

Homework: 1

The class consists of various experiences in design (2D & 3D modeling), mechanical engineering, and electrical engineering. Students will experience the basics in each type of engineering through Labview programming and Solidworks design. Students will also create a functional engineered project of choice. This class also overlaps the Robotics team season by two weeks. Should the student decide to join the team they will have this time to begin work on the new challenge.

#### **454. CAD I (Semester)**

*(Elective—grades 10 to 12)*

Reading: 1

Writing: 1

Homework: 1

This course would be valuable to anyone pursuing a career in engineering, electricity-electronics, cabinet making, carpentry, metalworking, drafting, transportation, landscape architecture, interior design, or any related occupation. Students will experience mechanical drafting to help visualize the views of orthographic and isometric drawings along with learning the alphabet of lines. Students will be instructed in the use of the Solidworks software program for computer assisted drafting. Upon mastering the skills in Solidworks students should have the ability to communicate visually the objects that are produced for consumer use. A design is required for 3D printing. Students will create a moderate residential house plan and two elevations.

#### **455. CAD II (Semester)**

*(Elective—grades 10 to 12)*

Reading: 1

Writing: 1

Homework: 1

##### **PREREQUISITE: CAD I**

This course will allow you to become proficient in the use of the computer as a drafting tool. We will review the basic commands from CAD 1 and progress to advanced procedures. There will be an emphasis on identifying the appropriate views of objects and proper ways of representing them. More time will be spent on larger more detailed drawings such as those used in the construction of houses, machine parts, new products, electrical schematics etc. Upon completing an advanced drawing project in 2D design you will be introduced to 3D modeling using the Solidworks software. The software will allow you to fully animate your ideas and inventions after you have designed them. Students Will: Demonstrate proficiency in the use of the Solidworks software. Identify Orthographic and Isometric views and the lines that represent the objects being drawn. Identify the alphabet of lines for drafting. Construct a set of

plans for an architectural drawing. Construct a set of plans for a mechanical part. Generate a 3D object with moving parts. Reverse engineer a chosen object.

**456. EXPLORE INDUSTRIAL TECHNOLOGY EDUCATION (Semester) (Elective-grades 11 & 12)**

**Reading: 1**

**Writing: 1**

**Homework: 1**

**PREREQUISITE-NO PREVIOUS ELECTIVE TECH ED CLASSES**

This class will offer the *Non-Traditional Tech Ed Student*, or someone not entering the work force as a tradesman, the opportunity to experience the basics of a variety of hands on applications. This class would be helpful in the applications of math and engineering skills. Approximately three weeks will be spent on each of the basic area used in the industry today. Those include: Drafting/Design and the use of 2D and 3D design programs, CNC production using the lathe, router, mill and tool room mill, machine woodworking and composite applications, metal fabrication such as welding, sheet metal and machining operation, electricity systems such as those used in the house hold wiring and circuit board construction, mechanical systems and maintenance such as those used in the small engines and automobiles

**MATHEMATICS**

Math tracks actually begin in the students' 7<sup>th</sup> Grade year due to increased standards from the State of Minnesota including the idea that all students need two years of HS Algebra. Algebra I is now considered to be a pre-HS course and offered in 8<sup>th</sup> Grade. Students registering for the first time at the high school level will have a conference with the 8<sup>th</sup> grade math teacher during registration time. Together a decision about which track to begin in 9<sup>th</sup> grade will be made based on grade and ability performance in the student's 8<sup>th</sup> grade math course, as well as MCA test scores. Some ninth grade students may be placed in Algebra I to solidify the skills they began working on in 8<sup>th</sup> grade.

Grade	Courses					
8 <sup>th</sup> Grade	Algebra I					
9 <sup>th</sup> Grade	Algebra/Geometry		Algebra I		Geometry	
10 <sup>th</sup> Grade	Applied Algebra I		Algebra I	Geometry		Algebra II
11 <sup>th</sup> Grade	Applied Algebra II	Geometry		Algebra II	Prob/Stats (Sem I)	Pre-Calculus
12 <sup>th</sup> Grade	Intermed. Alg	Prob/Stats (Sem I)	Pre-Calculus	College Algebra (Sem II)		AP Calculus

**270. ALGEBRA/GEOMETRY A (Semester I)**

**(Elective—grade 9)**

**271. ALGEBRA/GEOMETRY B (Semester II)**

**(Elective—grade 9)**

Reading: 1

Writing: 1

Homework: 2

This course will meet the needs of those students who require a more rudimentary approach to Algebra and Geometry. These students begin Algebra I in 8<sup>th</sup> Grade and master that content during the 9<sup>th</sup> Grade year. Students coming out of this course proceed to Applied Algebra I, Geometry or Algebra II depending upon their level of mastery. The Algebra aspect of the course includes operations on rational numbers, solutions of linear equations, operations on polynomials and factoring to solve simple quadratic equations as well as familiar geometry concepts like constructions and experiments. It is a stimulating approach for students who have demonstrated a need for a simplified approach to geometry. Topics include lines, angles, triangles, polygons, circles, perimeter, area, volume, Pythagorean Theorem and an introduction to the coordinate plane.

**269. ALGEBRA I A (Semester I)**

**(Elective—grades 9 to 12)**

**268. ALGEBRA I B (Semester II)**

Reading: 1

Writing: 1

Homework: 3

This course will include solving linear and quadratic equations, solving of linear inequalities, basic operations on polynomials, factoring linear and quadratic polynomials, and fractional equations, solving systems of equations in two variables, and working with radicals.

**256. GEOMETRY A (Semester I)**

**257. GEOMETRY B (Semester II)**

*(Elective—grades 9 to 12)*

Reading: 2

Writing: 1

Homework: 3

**PREREQUISITE: B- OR BETTER IN ALGEBRA I OR ALGEBRA/GEOMETRY AND NWEA SCORE OF AT LEAST 50% OR INSTRUCTORS APPROVAL.**

This course is a must for students planning on attending college and most technical schools. It covers the following topics: formal deductive proofs, lines, angles, triangle congruency, similarity, the Pythagorean Theorem, basic trigonometry, measurement of angles, arcs and circles, construction techniques, coordinate geometry, area and volume.

**252. APPLIED ALGEBRA I A (Semester I)**

*(Elective—grades 10 to 12)*

**253. APPLIED ALGEBRA I B (Semester II)**

*(Elective—grades 10 to 12)*

Reading: 1

Writing: 1

Homework: 2

This course is in the math track for students planning on attending a two-year college or technical school. Applied Algebra I teaches algebra and geometry concepts in the context of occupational settings. It acknowledges the diversity of learning styles in today's classroom and supports all learners. Along with the teaching of algebra and geometry this course will include a strong review of basic math concepts. This course covers the standards involved with passing the MCAII graduation test.

**258. ALGEBRA II A (Semester I)**

*(Elective—grades 10 to 12)*

**259. ALGEBRA II B (Semester II)**

*(Elective—grades 10 to 12)*

Reading: 2

Writing: 1

Homework: 4

**PREREQUISITE: B- OR BETTER IN GEOMETRY; INSTRUCTOR'S APPROVAL**

This course will include the following topics: basic operation in algebra, solving equations in one variable, problem solving with inequalities, linear equations and functions, product and factors of polynomials, rational expressions, irrational and complex numbers, quadratic equations and functions, analytic geometry and exponential and logarithmic functions.

**254. APPLIED ALGEBRA II A (Semester I)**

*(Elective—grades 11 & 12)*

**255. APPLIED ALGEBRA II B (Semester II)**

*(Elective—grades 11 & 12)*

Reading: 2

Writing: 1

Homework: 2

This course is in the math track for students planning on attending a two-year college or technical school. Applied Alg II continues the study of basic algebra and geometry concepts in the context of occupational settings. It acknowledges the diversity of learning styles in today's classroom and supports all learners. This course puts additional emphasis on challenging concepts such as probability, statistics, trigonometry, and quality control. This course covers the standards involved with passing the MCAII graduation test.

**266. PROBABILITY & STATISTICS (Semester)**

*(Elective—grades 10 to 12)*

Reading: 2

Writing: 1

Homework: 2

This is a course for students that we are proposing to make required for those who will graduate 2012 and later. We strongly advise this course for the Class of 2011, as well. This course will cover all of the state required standards for probability and statistics. This course will also cover approximately 30% of the Mathematics exam students are required to pass to graduate from the State of Minnesota. This class will have many activities and projects to allow students to apply knowledge learned in the class.

**805. COLLEGE ALGEBRA\* (Semester)***(Elective—grades 11 & 12)*

Reading: 2  
 Writing: 1  
 Homework: 4

**PREREQUISITE:**

- Be at least 16 years old.
- Juniors must be in the top 1/3 of their class or have a math ACT of 24 or a PLAN score of 19.
- Seniors must be in the top 1/2 of their class *or* a math ACT of 21 or a PLAN score of 17.
- Have a minimum high school GPA of 3.0.
- Completed Algebra in HS.

Algebraic skill-building for students anticipating further courses in mathematics or areas using mathematics. Covers polynomials, roots and powers, lines and solving linear inequalities, and linear, quadratic, and rational equations. This course will prepare you for most college-level algebra requirements for non-science, math, or engineering majors.

College credit may be available through Southwest State University-Marshall.

**260. PRE-CALCULUS A\* (Semester I)***(Elective—grades 11 & 12)***261. PRE-CALCULUS B\*(Semester II)***(Elective—grades 11 & 12)*

Reading: 2  
 Writing: 1  
 Homework: 4

**PREREQUISITE: B- OR BETTER IN ALGEBRA II OR ALGEBRA III AND INSTRUCTORS APPROVAL**

Students will learn and be able to define the six trigonometric functions and then use in applications along with the study of analytic trigonometry. The students will learn about sequences and series and use them to gain an understanding of limits. Students will learn about functions and other relations, including polynomials, rational functions, conic sections, exponential and logarithmic functions and will be able to graph them using transformations. Students will study counting and probability theory. Students must have a graphing calculator. The course is strongly recommended for those students going on to a 4-year college.

**262. AP CALCULUS ITV A\*(Semester I - .75 Credit)***(Elective—grade 12)***263. AP CALCULUS ITV B\*(Semester II - .75 Credit)***(Elective—grade 12)*

Reading: 2  
 Writing: 2  
 Homework: 4

**PREREQUISITE: B OR BETTER IN PRE-CALCULUS OR INSTRUCTOR'S APPROVAL**

The ITV Calculus Course will be equivalent to one semester of College Calculus. The course will include a quick review of all advanced topics necessary for successful completion of a College Calculus I class. You will learn limits, continuity, derivatives, and integration. Then you will be applying the use of derivatives and integration to life situations. Advanced techniques of integration will be taught and, time permitting, students will learn partial derivatives and multiple integration. The student must possess a scientific and graphics calculator.

**MUSIC****553. SYMPHONIC BAND A (Semester I)***(Elective—grades 9 to 12)***552. SYMPHONIC BAND B (Semester II)***(Elective—grades 9 to 12)*

Reading: 1  
 Writing: 1  
 Homework: 1

**PREREQUISITE: PREVIOUS PARTICIPATION IN BAND**

Symphonic Band is a yearlong course and will be comprised of 9<sup>th</sup> through 12<sup>th</sup> grade instrumental musicians. The band will advance their training from that of the 7/8 grade middle school band. Their degree of performance on scales, sight reading and prepared selections will determine chair placement. Members of the Symphonic Band will perform for at least two concerts, pep band events, Memorial Day festivities, graduation, large group music contest, and any other performances that may be scheduled.

Attendance is required. Lessons are also provided during the school day. Students are also strongly encouraged to participate in the solo/ensemble contest.

**554. CHORALE A (Semester I)***(Elective—grades 10 to 12)***555. CHORALE B (Semester II)***(Elective—grades 10 to 12)*

Reading: 1

Writing: 1

Homework: 1

Chorale is a 1-credit, year-long class that consists of 10<sup>th</sup> through 12<sup>th</sup> grade students who have a desire to further their abilities in choral singing. The focus of this ensemble is on the high quality performance of music from a variety of sources ranging from the 15<sup>th</sup> to the 21<sup>st</sup> Centuries. Placement in this ensemble is contingent upon an individual audition consisting of a brief sight-reading exam, pitch recall and overall vocal production. Chorale will perform for at least two concerts, graduation, large group music contest, and other performances during the school year. Small group voice lessons are provided during the school day. Students are strongly encouraged to participate in the solo/ensemble contest.

**567. KNIGHTS ENSEMBLE A (Semester I)***(Elective—grades 9 to 12)***568. KNIGHTS ENSEMBLE B (Semester II)***(Elective—grades 9 to 12)*

Reading: 1

Writing: 1

Homework: 1

Knights Ensemble is open to any high school student with an interest in singing. This course will focus on developing fundamental technique and musicianship to prepare students for the top ensemble. Work on chromatic fluency, rhythmic competency, good tone production, sight reading, and musicianship will be essential elements of instruction. Varsity choir will perform for at least two concerts during the school year. Small group voice lessons are provided during the school day.

**560. INTRODUCTION TO MUSIC (Semester)***(Elective—all grades)*

Reading: 2

Writing: 2

Homework: 3

This course is a basic overview of the fundamentals of music. Topics covered will include music notation, ear training, basic music theory and history. Students will cover the fundamentals of composition through a study of previously written works, and will use a combination of in-class and online activities.

**561. MUSIC THEORY (Semester)***(Elective—grades 10 to 12)*

Reading: 2

Writing: 2

Homework: 3

**PREREQUISITE: COMPLETION OF INTRO TO MUSIC OR INSTRUCTOR APPROVAL**

This course is an advanced study of the analysis and interpretation of musical compositions. Students will compose music using Ternary, Sonata Allegro and Rondo forms, culminating with a performance of their music at the end of the semester. This class is for the student who is thinking about studying music at a collegiate level.

**569. KNIGHTS VIBEZ A (Semester I)***(Elective- grades 9-12)***570. KNIGHTS VIBEZ B (Semester II)***(Elective- grades 9-12)*

Reading: 2

Writing: 2

Homework: 1

This course is open to all HS instrumentalists. The KNIGHT VIBEZ is a performance group devoted to learning a variety of music in the Jazz genre including; blues, swing, funk, Latin, rock and more! The foundation of the class will include the study of jazz fundamentals like the blues scale and improvisation - based on chord patterns and structures. Students will learn these elements through the performance of music. There will be regular opportunities for jazz exposure through clinics and field trips which further enhance understanding of this style of music. A Performance will be held at the culmination of first semester and a “mini tour” will culminate our work second semester. KNIGHT VIBEZ is a year-long course and open to any instrumentalist already enrolled in HS band or by approval of the instructor (including 8th graders AND guitar players who desire to improve their skills) Students may choose to play a secondary instrument. This is a collaborative class where individuals ideas and creativity will be supported and validated.

## SCIENCE

### **368. PHYSICS 9 A (Semester I)**

**(REQUIRED—GRADE 9)**

### **369. PHYSICS 9 B (Semester II)**

**(REQUIRED—GRADE 9)**

Reading: 2

Writing: 2

Homework: 3

A practical study of the application of physical laws and processes. Laboratory experience is emphasized. Topics to be investigated are forces, motion, work, energy, waves, sound, light, heat, electricity and magnetism. There will also be discussions of the nature of science and engineering. This course provides a background in areas of physical science not dealt with in Life Science and Earth Science courses. This course meets the statewide requirement for students who are members of the graduating class of 2015 and beyond that must successfully complete one credit of physics in addition to biology as part of the three-credit science requirement.

### **354. BIOLOGY A (Semester I)**

**(REQUIRED—GRADE 10)**

### **355. BIOLOGY B (Semester II)**

**(REQUIRED—GRADE 10)**

Reading: 3

Writing: 2

Homework: 3

Biology is a full-year course in which the following areas of study are covered: care and use of microscopes, structure and function of cells, genetics, evolution, and classification of living things. This is a lab course, which will include dissections of several members of the animal kingdom.

### **356. CHEMISTRY A\* (Semester I)**

**(Elective—grades 11 & 12)**

### **357. CHEMISTRY B\* (Semester II)**

**(Elective—grades 11 & 12)**

Reading: 4

Writing: 3

Homework: 4

#### **RECOMMENDATION: B OR BETTER IN BIOLOGY**

Chemistry is a study of the structure of matter and the chemical properties of the elements and common compounds. These topics will include atomic structure, bonding, writing of formulas and chemical equations, composition of compounds, solutions and an introduction to organic compounds. Laboratory activities are utilized whenever possible. This course is designed to prepare students to meet college entrance requirements. It is for students planning to enter areas requiring math or science such as medicine, engineering, technology, or where a credit in high school chemistry is required.

### **360. HUMAN ANATOMY/PHYSIOLOGY \* (Semester I)**

**(Elective—grades 11 & 12)**

Reading: 4

Writing: 3

Homework: 4

#### **PREREQUISITE: BIOLOGY**

This class will be an advanced study of the human body with an emphasis on anatomy. **Students will be asked to purchase an anatomy coloring book and colored pencils.** This class will feature a detailed mammal dissection with a lab practical. This is a lab course and is strongly recommended to anyone interested in the life sciences, especially medical areas, at the college level.

### **361. BIOTECHNOLOGY \* (Semester II)**

**(Elective—grades 11 & 12)**

Reading: 4

Writing: 3

Homework: 4

#### **PREREQUISITE: B OR BETTER IN BIOLOGY**

Students will investigate the field of biotechnology as it applies to food animal and plant science. Ethical issues, recombinant DNA, genetic engineering, impacts of biotechnology, microbial biotechnology and immunology will be units studied. This is a lab course and is strongly recommended to anyone interested in the life sciences at the college level.

**362. ECOLOGY A (Semester I)***(Elective—grades 11 & 12)***363. ECOLOGY B (Semester II)***(Elective—grades 11 & 12)*

Reading: 3

Writing: 2

Homework: 3

**PREREQUISITE: ONE FULL YEAR OF A PASSING GRADE IN BIOLOGY**

This course is a yearlong classic study of ecology, with an emphasis on outdoor activities and high adventure opportunities.

Environmental issues are of major importance in today's society. With changing laws and awareness to a sensitive environment for a growing population, students need to understand the principles to make appropriate decisions. This course also offers choices for extended field trips to the North Shore, BWCAW and Wolf Ridge Environmental Learning Center.

**364. EARTH & SPACE SCIENCE A (Semester I)***(Elective—grades 11 & 12)***365. EARTH & SPACE SCIENCE B (Semester II)***(Elective—grades 11 & 12)*

Reading: 3

Writing: 3

Homework: 3

A practical study of the universe, including the earth, the solar system, and beyond. Projects and online work done by the student are emphasized. Topics to be investigated are scientific method and measurement, basic chemistry, map reading, earth motions and seasons, earthquakes and plate tectonics, volcanoes, the planets, methods of space exploration, stars and galaxies. This course provides a continuation of science dealt with in Life Science and Earth Science courses. Some night-time observations will be required.

**366. AP ENVIRONMENTAL SCIENCE\* A (Semester I - .75 credits)***(Elective—grades 11 & 12)***367. AP ENVIRONMENTAL SCIENCE\* B (Semester II - .75Credits)***(Elective—grades 11 & 12)*

Reading: 4

Writing: 3

Homework: 4

**PREREQUISITE: A OR B IN BIOLOGY, INSTRUCTOR'S APPROVAL, CANNOT HAVE PREVIOUSLY TAKEN ECOLOGY**

The Advanced Placement Environmental Science is an interdisciplinary course designed to provide students with scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course will culminate in the AP Environmental Science Exam; students will be given practice questions that will mirror the intensity of the exam. Be aware that this course is the equivalent of an introductory, semester-long, Environmental Science college course; it will be challenging. **Students will be asked to purchase an AP workbook.**

**370. ADV PHYSICS A\* (Semester I)***(Elective—grades 11 & 12)***371. ADV PHYSICS B\* (Semester II)***(Elective—grades 11 & 12)*

Reading: 3

Writing: 3

Homework: 4

**COMPLETION OF ALGEBRA II IS REQUIRED. ENROLLMENT IN PRE-CALCULUS IS ENCOURAGED.**

An introductory study of force, motion, heat, sounds, light, electricity, and atomic structure. This is laboratory oriented. The course is designed to prepare students to meet college entrance requirements. It is for students planning to enter areas requiring math or science such as medicine, engineering, technology, or where a high school credit in physics is required.

## SKILL DEVELOPMENT

**700. FOCUS A (Semester I)***(grades 9 to 12)***710. FOCUS B (Semester II)***(grades 9 to 12)*

Registration for this class is based on student's individual goals and objectives. Research based strategies are used to assist students in meeting their goals. Study strategies are also taught and practiced daily. Transition work and activities will be completed to assist students in preparing for their life after high school. Lessons in this class will also be reinforced through advisory activities. Registration in this class is based on individual student need.

**704. READ & WRITE 9 A (Semester I)****705. READ & WRITE 9B (Semester II)**

This class reviews the basic skills needed in order to read for understanding and enjoyment. Students read from texts at appropriate reading levels. Writing skills are also developed through journal, topic writing, and using the word processor. Registration in this class is based on individual student need.

**702. WRITING & LITERATURE 10 A (Semester I)**

**703. WRITING & LITERATURE 10 B (Semester II)**

Basic skills in reading and writing continue to be developed. The literature textbook for the sophomore class is used throughout the year. Reading comprehension and writing activities are taken from real life situations. Transition topics are also covered during the fourth quarter. Registration in this class is based on individual student need.

**716. WRITING & LITERATURE II (Semester I)**

**717. WRITING & LITERATURE II (Semester II)**

During the first semester students will complete two books of an appropriate reading level. Vocabulary and writing activities will also be completed each semester. In the second semester well-known authors will be featured and their works read. All reading will be at an appropriate reading level for the student's needs. Registration in this class is based on individual student need.

**706. EXPERIENTIAL ENGLISH 12 A (Semester I)**

**707. EXPERIENTIAL ENGLISH 12 B (Semester II)**

This class is designed to help students prepare for life after high school. In the course the students will have an opportunity to make a thorough study of the 5-transition areas, review financial skills, and examine options for after high school. Registration in this class is based on individual student need.

**714. PRACTICAL MATH 9 A (Semester I)**

**715. PRACTICAL MATH 9 B (Semester II)**

This course concentrates on those math skills, which are necessary for daily living. A total review is done of all math operations and concepts that have been introduced to students in their first 8 years of school. Areas of study will include: whole numbers, decimals and metric system, fractions and probability, ration, percents, and statistics, some beginning algebra and geometry. The objective of the course is to sharpen and reinforce those math skills that have already been acquired and to be able to apply those skills to problems that will come up in daily living. Registration in this class is based on individual student need.

**708. MATH CONCEPTS I A (Semester I)**

**(grades 10 and 11)**

**709. MATH CONCEPTS I B (Semester II)**

**(grades 10 and 11)**

Students in this class will review basic skills both in computation and application of these skills. Practical math skills will be reviewed and applied to real life math situations. Basic lessons in Accelerated Math will be used. Progress is monitored through Accelerated Math and STAR testing. Registration in this class is based on individual student need.

**710. MATH CONCEPTS II A (Semester I)**

**(grades 10 and 11)**

**711. MATH CONCEPTS II B (Semester II)**

**(grades 10 and 11)**

Skills reviewed and taught in this class include basic geometry, pre-algebra, and application of these skills. Study Island will be used with the beginning level of each student determined by pre lesson testing. Progress will be monitored by individual lesson scores with 70% minimum score and continued STAR testing. Registration in this class is based on individual student need.

**712. MATH CONCEPTS III A (Semester I)**

**713. MATH CONCEPTS III B (Semester II)**

The focus of this class is applying the skills learned in the first 2 classes by using various lessons designed to prepare students to use math skills in situations such as banking, home remodeling, and purchasing. Students will be evaluated using the Test of Basic Skills with 75% being the minimum required score. Students must also complete a banking math unit in order to pass the class. Registration in this class is based on individual student need.

**723. FOUNDATIONS (Semester)**

**(Elective—grades 10 to 12)**



This class is to provide a strong foundation for students as they transition through their high school years and into their plans after high school. Inventories will be taken for interests, skills, and abilities in various areas. Inventories will be taken for interests, skills, and abilities in various areas. Students will also work through job skills and post-secondary applications. Visits to schools will take place through the class as well as by the student on their own. Job shadowing, career interviews and research will also take place.

**701. WORK-BASED LEARNING (Semester) (Elective—grades 11 & 12)**

**PREREQUISITE: FOUNDATIONS FOR WORK EXPERIENCE OR FOUNDATIONS RECAP**

Students can earn 3 credits toward the required minimum number of credits to graduate. Additional credits can be earned if graduation requirements have been met. The IEP team will determine how the credits will be distributed.

**679. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 10 A (grades 10)**

**680. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 10 B (grades 10)**

**681. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 12 A (grades 12)**

**682. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 12 B (grades 12)**

**683. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 11 A (grades 11)**

**684. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 11 B (grades 11)**

**685. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 9 A (grades 9)**

**686. ENGLISH AS A SECOND LANGUAGE (E.S.L.) 9 B (grades 9)**

The E.S.L. program is for students whose home language is other than English. Students study English vocabulary as it relates to their other classes. Listening and speaking skills are practiced. Reading comprehension is reviewed daily. Finding the main idea and supporting ideas is the objective in the reading of textbooks, newspapers, and magazines. Writing, grammar, and spelling skills are also covered.

**SOCIAL STUDIES**

**600. AMERICAN HISTORY & GOVERNMENT A (Semester I) (REQUIRED—GRADE 9)**

**601. AMERICAN HISTORY & GOVERNMENT B (Semester II) (REQUIRED—GRADE 9)**

Reading: 2

Writing: 2

Homework: 2

This course explores U.S. History from 1871 to now. Students will learn of significant events in U.S. History and apply critical thinking skills that connects past, present and future. Students will use individual perspectives of American government and history to gain meaning in their own lives.

**618. WORLD HISTORY AND GEOGRAPHY A (Semester I) (REQUIRED—GRADE 10)**

**619. WORLD HISTORY AND GEOGRAPY B (Semester II) (REQUIRED—GRADE 10)**

Reading: 2

Writing: 2

Homework: 2

Advanced geography techniques will be used to learn about the history and cultures of the world throughout time. Connections to current events will be made by relating where and why people have chosen to live and their impact on the landscape and each other. Students will look at patterns across time and space to prepare themselves to make relevant decisions today and in the future.

**604. ECONOMICS (Semester I) (REQUIRED—grade 11)**

**605. POLITICAL SCIENCE (Semester II) (REQUIRED—grade 11)**

Reading: 3

Writing: 2

Homework: 2

Political science is the study of our nation’s rich political and governmental heritage. Economics is the study of the production and distribution of goods and services. We will be focusing on the market forces that affect the supply and demand of products and services. Students will read and work with the anti-textbook, *Naked Economics*, by Charles Wheelan. Also, one week is set aside second semester for students to focus on completing a capstone project that is of particular interest to them.

**606. CRIMINAL JUSTICE (Semester I)****(Elective—grades 11 & 12)**Reading: 1  
Writing: 1  
Homework: 1

This course will examine the justice system in the United States. Specific issues discussed will include rights of the accused, and the role of judges, lawyers, and juries. Students will take part in a simulation that acts out the parts of various members of our justice system, and students will explore an active courthouse in Minnesota.

**607. WORLD POLITICS (Semester)****(Elective—grades 10 to 12)**Reading: 2  
Writing: 2  
Homework: 2

World Politics will focus on the present state of the world and the power structure that exists. WE will examine current conflicts in Africa and the Middle East, and debate the role of the United States as the most powerful nation in the world. We will spend time examining how the Cold War helped to establish our present power structure, and how economic systems impact the signing of treaties and the formation of alliances. One of the big debates will be the role of the United Nations in world politics.

**608. HEROES AND VILLAINS (Semester)****(Elective—grades 11 & 12)**Reading: 2  
Writing: 2  
Homework: 2

This course will debate the role of some very influential people in the history of the world. The overall theme will be to determine if the individual should be classified as a hero or a villain. Some of the people discussed in this course include Attila the Hun, Catherine the Great, Susan B. Anthony, Jesse James, and Adolph Hitler.

**609. PSYCHOLOGY (Semester)****(Elective—grades 11 & 12)**Reading: 2  
Writing: 2  
Homework: 2

Psychology is the study of mental processes and behaviors how people think, feel, and act. The study of psychology will provide insight into and understanding of every aspect of your life. Introduction to psychology will focus on both the normal course of human development and the variety of factors, which contribute to our individual differences in personality, intelligence, and character. The course will ask you to apply psychological principles to your own life.

**614. SOCIAL PSYCHOLOGY (Semester I)****(Elective---grades 11 & 12)**Reading: 2  
Writing: 2  
Homework: 2

Have you ever wondered why people either help or ignore others in need? Or how people come to form stereotypes about racial and ethnic groups, and how they can overcome them? Social psychology might be the course for you. Social psychology is a discipline that focuses on how people think, feel, and behave in social situations. This social science draws on two disciplines: psychology, which focuses on the individual; and sociology, which centers on groups. Social psychologists attempt to answer questions about how people perceive, interact, and try to influence each other. In addition, they study how individuals exert influence on groups and how group situations impact the behavior of individuals.

**617. POP CULTURE (SEMESTER)****(Elective—grades 10 to 12)**Reading: 2  
Writing: 2  
Homework: 2

This course explores important themes in American history through a study of popular music. Many genres of music, television, print media and film will be explored to give students more perspective into recent American History.

## SOCIAL STUDIES HONORS HUMANITIES CURRICULUM

The Honors Humanities Program is a three-year program designed for honor students entering 10<sup>th</sup> Grade and beyond. 10<sup>th</sup> Grade students need to be in the top 25% of their class (or with permission from the instructor) to opt for the Honors program. For Juniors and Seniors, the Honors program is open to anyone interested in accepting the workload. The Honors Program contains four separate courses, of which two may earn college credit for the student: AP Human Geography and AP Psychology. Earning college credit may be a possibility with scoring a three or higher on the AP examination. Listed below is the design layout for this program:

Graded	Semester I	Semester II
10 <sup>th</sup>	AP Human Geography	AP Human Geography
11 <sup>th</sup>	Honors American Government	Honors Macroeconomics
12 <sup>th</sup>		AP Psychology

**610. AP HUMAN GEOGRAPHY A\* (Semester I - .75 credits)** *(Elective—grades 10 to 12)*

**611. AP HUMAN GEOGRAPHY B\* (Semester II - .75 credits)** *(Elective—grades 10 to 12)*

Reading: 4

Writing: 3

Homework: 4

**PREREQUISITE: TOP 25% OF THEIR CLASS**

AP Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and the earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. Students learn about methods geographers use in their science and practice.

**620. HONORS AMERICAN GOVERNMENT\* (Semester I)** *(Elective—grade 11)*

Reading: 4

Writing: 3

Homework: 4

Honors American Government is offered during the Fall to coordinate with the November elections. Honors American Government will focus on: Political Institutions and Policy Processes, the Federal Courts, Political Parties and Interest Groups, Political Beliefs and Behavior, and Constitutional Underpinnings of American Democracy. **STUDENTS SHOULD NOT REGISTER FOR THIS COURSE AND POLI/ECON.**

**621. HONORS MACROECONOMICS\* (Semester II)** *(Elective—grade 11)*

Reading: 4

Writing: 4

Homework: 4

Honors Macroeconomics is for students to demonstrate a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Application through academic writing is evaluated. **STUDENTS SHOULD NOT REGISTER FOR THIS COURSE AND POLI/ECON.**

**615. AP PSYCHOLOGY A\* (Semester I)** *(Elective—grades 11 & 12)*

**616. AP PSYCHOLOGY B\* (Semester II)** *(Elective—grades 11 & 12)*

Format: Hybrid

**PREREQUISITES: MUST BE IN THE TOP 50% OF THEIR CLASS, INSTRUCTOR APPROVAL.**

AP Psychology is a course designed to rigorously build upon the foundations of Introductory Psychology. Students who register for this course are expected to have a strong interest in Psychology and be prepared to handle a college-level workload. The course revolves around lecture, in-depth experiments, and research reports. Major units of study include: Learning, Cognition, Intelligence, Human Development, Personality, Abnormal Psychology, and Therapy. Students that are planning a future career or study of Psychology are encouraged to register.

## STUDENT SERVICES

### **907. TUTORING (Semester)**

*(Elective—grades 11 & 12)*

Must have 3.0 GPA or higher and contract from cooperating teacher & high school counselor. This pass/fail class involves peer tutoring to review material, study skills, study for tests, organize assignments and projects, stay on task, read, and do assignments. 11<sup>th</sup> and 12<sup>th</sup> grade students may be peer tutors. A student may tutor for more than one semester.

### **908. STUDENT AIDE (Semester)**

*(Elective—grades 11 & 12)*

This pass/fail course provides the opportunity for students to participate in service activities within the school. Students participating in this course will be expected to keep weekly activity logs documenting the projects and tasks they completed each day. Activity logs are turned in to the high school counselor. Completion of weekly activity logs along with a final reflection paper are required to obtain a passing grade. Course can be repeated. By contract with Teacher/Counselor only.

### **909. CHROMEBOOK REPAIR TEAM (Semester)**

*(Elective—grades 9 to 12)*

Reading: 1  
Writing: 1  
Homework: 2

Chromebook Repair Team members will collaborate with students and staff to repair devices, manage inventory, and run workshops on effective device use and care. Students are expected to be independent workers and problem-solvers, and be able to manage repairs with minimal support. In addition to repairing devices, students will build a strong personal foundation in digital citizenship and prepare resources to share with the school. Students will receive all necessary training, including device hardware, software, customer service, and project management. Familiarity with Apple, PC, Chromebooks, and tablet devices is a benefit, but not a requirement

## WORLD LANGUAGES

### **650. SPANISH I A (Semester I)**

*(Elective—all grades)*

### **651. SPANISH I B (Semester II)**

*(Elective—all grades)*

Reading: 1  
Writing: 2  
Homework: 3

**PREREQUISITE: EIGHTH GRADERS REGISTERING MUST HAVE A B AVERAGE IN ENGLISH AND NWEA SCORES ABOVE THE 40<sup>TH</sup> PERCENTILE**

Students are introduced to all four language skills; listening, speaking, reading and writing. Development of oral and written proficiency is stressed through the introduction of basic grammar and vocabulary. Cultural activities are included to introduce students to the customs and life-styles of Spanish speaking countries. The study of a foreign language is helpful to learn more about English.

### **652. SPANISH II A (Semester I)**

*(Elective—grades 10 to 12)*

### **653. SPANISH II B (Semester II)**

*(Elective—grades 10 to 12)*

Reading: 1  
Writing: 2  
Homework: 3

**PREREQUISITE: SPANISH I**

This course begins with a review of basic structures and vocabulary from Book 1. It continues to introduce more vocabulary and grammar and to develop oral and written proficiency. Cultural activities are also included.

### **654. SPANISH III A\* (Semester I)**

*(Elective—grades 11 & 12)*

### **655. SPANISH III B\* (Semester II)**

*(Elective—grades 11 & 12)*

Reading: 2  
Writing: 2  
Homework: 3

**PREREQUISITE: SPANISH I AND II**

Third year Spanish reviews the grammatical structures of the first two years while introducing a lot of new vocabulary. A few new verb forms are also introduced. Literature of Mexico and other Spanish speaking countries is presented through short stories and some poetry. Spanish 3 students write their autobiography. Cultural activities are included

**656. SPANISH IV A\*(Semester I)**

*(Elective—grade 12)*

**657. SPANISH IV B\*(Semester II)**

*(Elective—grade 12)*

Reading: 2

Writing: 2

Homework: 3

**PREREQUISITE: SPANISH I, II, AND III**

Spanish IV is review and practice with the structures learned previously. Some grammar review will be included during conversation units. A college text and supplementary units will be used. Speaking activities will increase fluency. Tutoring elementary or Spanish I students may be included in the content of this course. Literature of Spanish speaking countries is also included.

# WETC ITV

## POTENTIAL COURSE OFFERINGS

### 2020-2021

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#### **Business (Pages 2-3)**

Accounting I A & B

CLEP Marketing

Multimedia

Personal Finance

The Law and You

Web Design

#### **English (Pages 3-4)**

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College Prep Writing

Journalism I

Science Fiction & Fantasy Literature

#### **Family and Consumer Sciences (Page 5)**

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College Introduction to Education (CIS Course)

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Chinese I

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#### **Music (Page 6)**

Digital Music and Sound Production

#### **Mathematics (Page 6)**

College Algebra

#### **Social Studies (Page 7)**

AP Psychology

AP US History

CLEP Economics

Social Psychology

## Overview

ITV courses are delivered through a combination of interactive television and online learning platforms in order to provide course offerings that a school district would be unable to offer on their own. Students that are taking ITV courses are often in a different physical location than their teacher and a great deal of initiative, independence, and maturity is required for students to be successful. Discipline and attendance issues will not be tolerated and may result in being dropped from the course at any time. If you are unsure if an ITV course is right for you consult your guidance counselor before enrolling.

## Business

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### Accounting I A & B

Host: Goodhue      Duration: 2 Semesters      Grades: 10-12      Format: Hybrid      Prerequisites: None

As a "hybrid" class, the learning environment will combine face-to-face (ITV) meeting and online learning. Students will meet in their respective ITV classrooms Monday & Wednesday, with an occasional scheduled Friday, during 8th hour. In addition, students will be required to work independently in the Moodle Online Course. Students should be comfortable with technology, disciplined/motivated to work individually, and responsible as time managers.

Students will learn the foundational accounting equation and accounting cycle; apply accounting concepts and theory to different types of businesses; explore automated accounting; and gain a better understanding of how to better manage their personal financial affairs. Online working papers will provide students with immediate assessment of their accounting assignments. In addition, students will have the opportunity to apply what they have learned by completing an accounting simulation packet!

Students may either take the course as a yearlong (1A & 1B) accounting course or enroll in only the first semester (1A) for a brief introduction to accounting.

### CLEP Marketing

Host: Z-M      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: None

As a "hybrid" class, the learning environment will combine face-to-face (ITV) meeting and online learning. In addition, students will be required to work independently in the Schoology Online Course. Students should be comfortable with technology, disciplined/motivated to work individually, and responsible as time managers.

This course offers students the opportunity to gain knowledge and fundamental skills in the area of marketing and management. Topics include: the marketing environment; the role of product, price, promotion, and place strategies; and discussion and awareness of consumer issues. We will explore the world of sports and entertainment marketing also. Class time learning includes video cases, hands-on and computer time. Students will conduct market research on a topic and apply marketing concepts into the development of their own business plan. This is certainly an exciting and useful class for not only students interested in a future business career, but also all students from their role as consumers' in our society.

### Multimedia

Host: Goodhue      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: None

Students will explore many different forms and programs that exist within the world of technology today. This will consist of learning how use Photoshop, photography, video cameras to create personal movies, etc. to broaden their range of technology that is used in our everyday lives.

### Personal Finance

Host: Cannon Falls      Duration: Semester      Grades: 10-12      Format: Hybrid      Prerequisites: None

As a "hybrid" class, the learning environment will combine face-to-face (ITV) meeting and online learning. Students will meet in their respective ITV classrooms 2-3 days each week. In addition, students will be required to work independently in the Moodle Online Course. Students should be comfortable with technology, disciplined/motivated to work individually,

and responsible as time managers. This course explores topics such as making wise financial decisions, budgeting, consumer purchasing, banking, personal credit, and individual income tax filing. This course is essential for all students who want to be financially educated as he/she moves past the high school classroom.

## The Law and You

Host: Cannon Falls      Duration: Semester      Grades: 10-12      Format: Hybrid      Prerequisites: None

Students will study criminal law, civil actions, juvenile law, and landmark supreme court cases through a variety of activities including project-based learning. This course introduces the student to the legal rights of juveniles and adults and the responsibilities that he/she has as a citizen of the United States.

## Web Design

Host: Z-M      Duration: Semester      Grades: 10-12      Format: Hybrid      Prerequisites: None

Do you like being creative? Do you like to share information with others? Are you fascinated by computers? Welcome to Web Design! In this course, students will be responsible for creating and maintaining web-based publications of their own writings, as well as creating a website for a business. Topics of study will include: HTML coding, computer basics, planning and creating web pages using online resources, and photo editing, to name a few.

# English

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## AP English Literature and Composition

Host: K-W      Duration: Yearlong      Grades: 11-12      Format: Traditional      Prerequisites: Students registering for AP English Literature and Composition should have a B or better in their prior Language Arts course or a recommendation from a previous Language Arts teacher. In addition, required summer assignments must be completed by course start date.

This is a challenging, college level English course. The purpose of this course is to provide students with an understanding of semantic, structural, and rhetorical resources of the English language as they relate to the principles of effective writing. This course is intended to challenge and promote: independent, logical and critical thinking; good study skills and academic achievement. Students will receive college-level instruction in studying a variety of literature representing a spectrum of genres including poetry, short story, drama, fiction and non-fiction. Studies will include British and American authors. Analysis of literature and academic writing in response to the various works and genres are emphasized. Literary terms and devices are scrutinized in works. The course prepares students to take the Advanced Placement exam in the spring. A summer assignment must be completed and is due upon the first meeting date. It is recommended that students have an interest in reading academic works of literary merit.

## College Prep Writing

Host: Cannon Falls      Duration: Semester      Grades: 11-12      Format: Traditional      Prerequisites: None

This course is a college preparatory class. Students will write in all major genres—expository, persuasive, narrative, etc. Grammar proficiency, practical writing and source crediting are also necessary parts of this class. This class does not offer any opportunity for college credit. **Students will work independently online and meet as a class twice a week. Students must be motivated to continue course work on their own.**

## Journalism I

Host: Cannon Falls      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: B Average

This course is designed for students who have been successful in their English writing courses and are looking for a useful application for their writing skills. Students will study topics such as ethics in journalism, application of an angle as a focus for writing, newspaper article genre, photography and videography, and editing skills. Though there will be occasional tests and quizzes on the required reading material, the focus on the course will be writing and editing. The



platform and outlet for student work will be a “sandbox” online newspaper that each student will contribute to and that will be available for others to read. Students will serve as category editors on a rotating basis and will both set and be subject to a series of deadlines. Each student will have the opportunity to write for the following categories: news, features, sports, opinion, arts and entertainment, and interactive media.

## Science Fiction & Fantasy Literature

Host: Cannon Falls      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: None

This course will focus on the reading of science fiction and fantasy literature, small and large group discussions, tests, quizzes, and projects. Students will learn the history of the genres, will study and compare specific major texts (novels and short stories), and will explore literary devices at work, such as themes, narrative structure, characterization, conflict, etc. Past and current trends, and the role of technology and fantasy elements in everyday life as reflected in the texts, will also be discussed.

## Family and Consumer Sciences

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### Interior Design I

Host: K-W      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: None

This course will include a study of housing options, designs, architecture and careers in housing and interior design. Students will plan and design living spaces while considering space, budget and lifestyle. Students will investigate housing options and complete projects to plan living spaces using the principles and elements of design. This is a great class for students interested in learning about careers related to architecture, interior design, real estate or home construction. Guest speakers will be invited to share information on careers in housing and interior design.

### College Introduction to Education (CIS Course)

Host: K-W      Duration: Semester      Grades: 11-12      Format: Traditional

Prerequisites:

- Be at least 16 years old.
- Pass the ACCUPLACER exam.
- Juniors must be in the top 1/3 of their class and Seniors the top 1/2 of their class.
- Have a minimum high school GPA of 3.0.

This course offers students an opportunity to explore teaching as a personal career goal. This class emphasizes the importance of multiculturalism, diversity, and the sociocultural/political realities of public schooling and teaching. Students will volunteer in classrooms in a service-learning capacity, attend class, make presentations, write reflective papers, participate in discussions, and engage in small group learning activities.

## Foreign Languages

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### Chinese I

Host: NSO-District 287      Duration: Yearlong      Grades: 9-12      Format: Hybrid      Prerequisites: None

Chinese Language and Culture I is the beginning course of a four year sequence that will enable the student to speak, read, write, and understand the official Mandarin Chinese language. In addition the course will help the student understand the culture and heritage of approximately one fifth of the world's population. The focus will be on simple vocabulary building, character recognition, and memorization using Chinese songs, games, and the art of calligraphy.

## Chinese II

Host: NSO-District 287      Duration: Yearlong      Grades: 10-12      Format: Hybrid      Prerequisites: Chinese I

This course is structured for the student to continue the study and mastery of the basic skills of speaking, listening, writing, and reading beginning Chinese. As in Chinese I, the course focuses on modern Mandarin Chinese, but some commonly used formal expressions used only in written Chinese are also included. Students will become acquainted with contemporary Chinese life and the contributions of Chinese culture.

## Music

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### Digital Music and Sound Production

Host: Cannon Falls      Duration: Semester      Grades: 11-12      Format: Hybrid      Prerequisites: None

Students compose, record, and their own electronic music. Students learn MIDI sequencing, vocal recording, digital audio editing, and mixing techniques. They will learn about the different types of sound file formats and discover how to do sound to video synchronization (soundtracks). At the end of the course the kids post their audio projects/songs to Sound Cloud and Facebook.

## Mathematics

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### College Algebra

Host: Z-M      Duration: Semester      Grades: 11-12      Format: Traditional

Prerequisites:

- Be at least 16 years old.
- Pass the ACCUPLACER exam.
- Juniors must be in the top 1/3 of their class and Seniors the top 1/2 of their class.
- Have a minimum high school GPA of 3.0.
- Completed Algebra in HS or Intermediate Algebra on ITV(See your counselor for details)

Algebraic skill-building for students anticipating further courses in mathematics or areas using mathematics. Covers polynomials, roots and powers, lines and solving linear inequalities, and linear, quadratic, and rational equations. This course will fulfill your college math requirements for most non science, math, or engineering majors.

### AP Calculus

Host: Z-M      Duration: Yearlong      Grades: 11-12      Format: Hybrid      Prerequisites: Pre-Calculus

The ITV Calculus course will be equivalent to one semester of college Calculus. The course will include a quick review of all advanced topics necessary for successful completion of a College Calculus I class. You will learn limits, continuity, derivatives, and integration. Then you will be applying the use of derivatives and integration to life situations. Advanced techniques of integration will be taught and, time permitting, students will learn partial derivatives and multiple integration. The student must possess a scientific and graphics calculator.

# Social Studies

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## AP Psychology

Host: K-W Duration: Yearlong Grades: 11-12 Format: Hybrid Prerequisites: Social Psychology or equiv.

AP Psychology is a course designed to rigorously build upon the foundations of Introductory Psychology. Students who register for this course are expected to have a strong interest in Psychology and be prepared to handle a college-level workload. The course revolves around lecture, in-depth experiments, and research reports. Major units of study include: Learning, Cognition, Intelligence, Human Development, Personality, Abnormal Psychology, and Therapy. Students that are planning a future career or study of Psychology are encouraged to register.

## AP US History

Host: Goodhue Duration: Yearlong Grades: 11-12 Format: Traditional Prerequisites: None

The AP US History course is designed to teach students the analytical skills and factual knowledge necessary to critically address past and present issues facing our Republic. While developing a strong knowledge base and skill set, students will deeply engage in the events that have made our country what it is today. In this course we will investigate US History for significant events, historical figures, and developing trends in nine periods of study starting in about 1491 and ending at the present. The course will also follow seven key themes across our history that include: American and National Identity, Migration and Settlement, Politics and Power, Work, Exchange and Technology, America in the World, Geography and the Environment, and Culture and Society. We will develop students' analytical skills through primary source analysis, persuasive essay writing, and historical argument based on historical fact. This course will prepare students for the opportunity to earn college credit equivalent to a full year college US History class through the AP and CLEP exams. Students interested in taking AP US History should have strong study and time management skills, and should be interested in both US History and developing critical thinking skills that will help them in a number of areas after high school.

## CLEP Economics

Host: Z-M Duration: Semester Grades: 11-12 Format: Traditional Prerequisites: 3.0 or higher GPA.

This is a one-semester introduction to basic microeconomic analysis. Microeconomics focuses on the choices that businesses, consumers, and households make when dealing with the concept of scarcity. In addition, we will spend a great deal of time focusing on concepts such as marginal analysis, specialization, market structures, cost curves, and factor markets. The content in this course has been aligned to meet the requirements of the CLEP Microeconomics exam. A prerequisite for this course is that you must have a cumulative GPA of at least 3.0 or you need to have instructor approval.

## Social Psychology

Host: K-W Duration: Semester Grades: 11-12 Format: Traditional Prerequisites: None

Have you ever wondered why people either help or ignore others in need? Or how people come to form stereotypes about racial and ethnic groups, and how they can overcome them? Social psychology might be the course for you. Social psychology is a discipline that focuses on how people think, feel, and behave in social situations. This social science draws on two disciplines: psychology, which focuses on the individual; and sociology which centers on groups. Social psychologists attempt to answer questions about how people perceive, interact, and try to influence each other. In addition, they study how individuals exert influence on groups and how group situations impact the behavior of individuals.