



*High School*  
**REGISTRATION  
GUIDE  
2023-2024**

# Message from Mrs. Langworthy

Dear Parent(s)/Guardian,

In the upcoming weeks, your student will be registering for classes for the next academic year. It is crucial that we have accurate enrollment numbers to make informed decisions on which courses will be offered and which will be cut due to low enrollment. Please review the registration guide with your student and note that not all courses requested may be available due to scheduling conflicts and need.

To ensure successful completion of state and local graduation requirements, we have included the “Maple River Credit Requirements” and “Program of Study” in the registration guide. These provide detailed information on course requirements for each grade level and the total credits necessary for graduation by subject area. Additionally, please note that students must fulfill a combination of total credits, required course completion, and state testing requirements to graduate with a diploma from Maple River High School.

We encourage students to consider their future plans when selecting elective courses. We offer various options, including Post-Secondary Enrollment Options (PSEO), College Now courses, vocational courses, and online classes. Please refer to the registration guide for more information on these programs. It is important to take into account student interest, learning style, and independent learning skills when making decisions on coursework. I am available to answer any questions you may have about these programs.

Our goal is to ensure proper placement for each student to ensure success. We use test data, previous classes taken, and teacher recommendations to determine course placement. Please feel free to contact your child’s current math teacher if you have questions regarding their math placement.

Maple River High School looks forward to serving you and your student in the future. Please don’t hesitate to reach out to me if you have any questions or concerns.



Mrs. Langworthy  
High School School Counselor  
(507) 524-3918, ext. 4235



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General information about Maple River High School, daily schedule, and grading.

# General Information

## Registration Guidelines

At our school, we prioritize meeting the unique needs of our students by tailoring our instructional program to align with their specific course requests. We value input from both students and parents in determining the final course offerings. To ensure a smooth scheduling process, it is important that course selections are made well in advance of the upcoming school year. Finalizing course choices involves comprehensive discussions with students, parents, and our counselors and teachers. We carefully review our course guide and consider facility and budget commitments before building the master schedule. It is important to note that once the schedule has been finalized, changes are discouraged to avoid any disruptions to the planning process.

## Course Overview

The guide presents courses categorized by department, arranged in alphabetical order for easy reference. Each course listing provides fundamental information about the course, followed by a brief description. This information can assist you in determining whether the course aligns with your interests and supports your progress towards graduation.

Courses are coded as follows:

<b>R</b>	Course is within the stand progression and is required for high school graduation.
<b>E</b>	Course is an elective and is not required for high school graduation.
<b>R</b>	Course is within the advanced progression and fulfills required course credits.
<b>E</b>	Course is within the advanced progression and fulfills elective credits.

## High School DAILY SCHEDULE

PERIOD 1	8:05A - 9:05A
PERIOD 2	9:10A - 10:10A
PERIOD 3	10:15A - 11:15A
PERIOD 4	11:20A - 12:20P
LUNCH	12:20P - 12:50P
PERIOD 5	12:55P - 1:55P
PERIOD 6	2:00P - 3:00P

## TRIMESTERS

TRIMESTER 1 FALL August 28 - November 21	TRIMESTER 2 WINER November 28- March 1	TRIMESTER 3 SPRING March 5 - May 30
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# VIATION

## Online Courses

Students interested in taking a supplemental online course should talk with Mrs. Langworthy. Students seeking supplements to local course offerings may take up to 50 percent of a full course schedule per term at their enrolling district. Online courses are available to meet credit recovery or elective credit.

## Course Drop/Change Policy

Adding a course is only permitted within the first week of each trimester.

## Schedule Changes

Schedule change requests will only be considered under the following circumstances, and approval is contingent upon availability of space:

- Correction of computer errors
- Correction of graduation deficiencies
- Correction of class imbalance
- Necessary changes due to summer school attendance
- Resolution of scheduling conflicts
- Placement in special education classes or implementation of a student's IEP.

## Credit Value

Maple River High School operates on a modified trimester system. Students earn .33 or .5 credits for each trimester course, depending on the course. Courses that are taken over three trimesters (one full year) receive .33, .33, .34 credits, respectively. These courses are given more time throughout the year to study with the teacher present on a regular basis, and thus, the credit increments. All other classes that are one or two trimesters total in length are given .5 credits per trimester completed.

## Grading System

Maple River High School uses a trimester system for determining class rank and grade point averages. Grade point average is computed by using a 4.00 scale whereby an A = 4.00, A- = 3.67, B+ = 3.33, B = 3.00, B- = 2.67, C+ = 2.33, C = 2.00, C- = 1.67, D+ = 1.33, D = 1.00, D- = .67, F = 0. No courses are weighted.

## Incompletes

Students with extended, excused absences from school may receive a grade of "I" (incomplete) if they are unable to complete required coursework by the end of the trimester. They will have up to two additional weeks to complete the work for credit, and once completed, the appropriate grade will be calculated. Students who were not excused for an extended period of time or cannot provide a reasonable cause for not completing their work by the end of the trimester will not be eligible for an incomplete grade. Their trimester grade will be an "F," and all work must be completed prior to the end of the course to earn credit. No incompletes will be granted in the third trimester except by permission of the principal.

## Report Cards

Report cards can be accessed on Infinite Campus via the student and/or parent portal.

## Class Rank

Beginning in the freshman year, students are ranked at the end of each trimester. Thus, the first time class rank is available to freshman is in late December of that particular year (after the first trimester is complete). Subsequent updates to class rank occur at the end of each trimester.

## State Testing

The Minnesota Comprehensive Assessments (MCA) are state tests in reading, mathematics, and science that are used to meet federal and state legislative requirements. The tests are administered every year to measure student performance relative to the Minnesota Academic Standards that specify what students in a particular grade should know and be able to do.

All students in public schools in Minnesota are required to participate in the statewide assessment program. This includes reading and math tests in grades 3-8 and high school, with science tests administered in grades 5, 8, and high school when taking a relevant course. Students with IEPs or 504 plans may be eligible for accommodations, and some students with significant cognitive disabilities may take the Minnesota Test of Academic Skills (MTAS) instead of the MCA. More information about MTAS eligibility can be found on the Minnesota Department of Education website.

# Maple River Graduation Requirements



Students complete the academic standards by taking a core course of study that equips them with the knowledge and skills they need for success in post-secondary education, highly skilled work, and civic life. To graduate, your child's high school coursework must include at least the minimum state course credit requirements. A course credit is equivalent to a student successfully completing an academic year of study or mastering the subject matter, as determined by our local school district. Students must complete a minimum of 24.5 course credits, as shown to graduation from Maple River High School..

## Credit Requirements

Maple River High School, students are required to complete Course Credits Required by Minnesota State Statutes, section 120B.024 and our local standards.

### 4 Credits of Language Arts

English 9, English 10, English 11 and English 12 or college equivalent.

### 4.5 Credits of Social Studies

U.S History, Human Geography, Government, World History, and Economics.

### 3 Credits of Mathematics

Nonlinear Algebra, Geometry, and Algebra II or honors equivalent.

### 3 Credits of Science

Science 9, Chemistry, and Biology.

### 1.5 Credits of Life Fitness/Health

PE/Health 9, and .5 credits of either Life Fitness, Recreational Act., or Weight Training

### 1 Credit of Arts

Intro to Art Design, Symphonic Band, or Choir.

### .5 Credits of Business

Personal Finance

### 7 credits of Electives

Courses completed beyond the graduation requirements will count toward the elective credit total. All students must complete 7 elective credits between grades 9-12.

# REQUIREMENTS

## Required Courses

To earn a diploma, completion of 24.5 credits is mandatory. Please refer to the following table for specific courses that are required to be completed as part of the 24.5 total required credits.

	Grade 9	Grade 10	Grade 11	Grade 12
<b>English/Language Arts</b> (4 Credits)	English 9 or	English 10	English 11 or	English 12 or
			College English 11	College Writing
<b>Social Studies</b> (4.5 Credits)	American History	Human Geography	Intro to Economics	US Government
			World History ( can take in 11 or 12th grade)	
<b>Mathematics</b> (3 credits)	Nonlinear Algebra	Geometry	Algebra II	
	Honors Geometry	Honors Algebra II	College Pre-calculus or Statistics	
<b>Science</b> (3 Credits)	Science 9	Chemistry	Biology	
<b>Life Fitness/Health</b> (1.5 Credits)	PE/Health 9	Life Fitness, Recreational Act., or Weight Training (can take during 10, 11, or 12th Grade)		
<b>Arts</b> (1 credit)	Band, Choir, or Art Course			
<b>Business</b> (.5 credit)				Personal Finance
<b>Electives</b> (7 Credits)	Courses completed beyond the graduation requirements will count toward the elective credit total. All students must complete 7 elective credits between grades 9-12.			

# REQUIREMENTS

## Maple River Academic Plan

This proposed course of study is merely a guideline to assist you in planning your own program. There will be variations for each student due to circumstances such as course availability. Individual career pathways will also influence how courses are selected and sequenced.

Academic Plan	
GRADE <b>9</b>	English 9 – 1 credit (3 Trimesters in length) Science 9 – 1 credit (2 Trimesters in length) Nonlinear Algebra or Honors Geometry – 1 credit (3 Trimesters in length) American History - 1 credit (3 Trimesters in length) PE 9/Health - 1 credit (2 Trimesters in length) Fine Arts Elective – 1 credit (anytime 9-12) (2-3 Trimesters in length) Electives – 1 credit (2-3 Trimesters in length)
GRADE <b>10</b>	English 10 – 1 credit (3 Trimesters in length) Chemistry 10 – 1 credit (3 Trimesters in length) Geometry or Honors Algebra II – 1 credit (3 Trimesters in length) Human Geography – 1 credit (2 Trimesters in length) Life Fitness, Rec. Act., OR Weight Trng - .5 credit (1 Trimesters in length) Electives – 3 credits (6 Trimesters in length) Fine Arts Elective – 1 credit (anytime 9-12) (2-3 Trimesters in length)
GRADE <b>11</b>	English 11 or College English 11 - 1 credit (3 Trimesters in length) Biology – 1 credit (3 Trimesters in length) Algebra II or College PreCalculus/Statistics – 1 credit (3 Trimesters in length) World History (OR grade 12) – 1 credit (3 Trimesters in length) Intro to Economics- .5 credit (1 Trimester in length) Electives – 2.5 credits (5 or 8 Trimesters in length) Fine Arts Elective – 1 credit (anytime 9-12) (2-3 Trimesters in length) Electives – 1 credit (2-3 Trimesters in length)
GRADE <b>12</b>	English 12 -- 1 credit (3 Trimester in length) *OR* College Writing- 1 credit (2 Trimesters in length) American Government- 1 credit (2 Trimesters in length) World History (if not taken in grade 11)- 1 credit (3 Trimesters in length) Personal Finance- .5 credit (1 Trimester in length) Electives- 3.5 to 4.5 credits (9.5 to 13.5 Trimesters in length) Fine Arts Elective – 1 credit (anytime 9-12) (2-3 Trimesters in length) Electives – 1 credit (2-3 Trimesters in length)



# REMEMENTS

## Dual Credit Options

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### Articulated Courses

Articulated courses offer high school students the opportunity to earn free college credits at many state two-year community and technical colleges. These courses are available in Business Education, Health Science, Family and Consumer Sciences, and Trade and Industry. Upon completion of an articulated course, students receive a certificate in the mail, which they can bring to a college that accepts articulated credits at the time of admission. To receive college credit, students must earn no less than a “B” for a final grade and enroll in one of the member colleges within two years of high school graduation. Maple River High School lists their articulated courses in the registration book, and students interested in earning college credit must discuss the extra requirements with their teacher. For more information on which courses are articulated and what post-secondary schools in Minnesota accept the credit, visit the website <http://ctecreditmn.com/articulated-college-credit.php>.

### Concurrent Enrollment

Southwest Minnesota State University in Marshall, Minnesota offers the College Now program, which provides high school juniors and seniors with the opportunity to enroll in college-level courses and earn credits at no cost. Upon successful completion of a College Now course, students are awarded both high school and college credit, with a minimum grade of C- required to receive college credit.

Maple River High School offers several College Now courses for the 2023-24 school year, including College Writing, College Literature, College Speech, College Pre-Calculus, College Calculus, and College Biology. These courses are taught by high school faculty and closely monitored by university faculty and program administrators to maintain the same standards as courses taught on the university campus.

Participating in the College Now Program can provide students with valuable confidence in their ability to handle college-level coursework, as well as giving non-traditional and gifted students access to a challenge. It also offers college-bound students a chance to gauge their readiness for college-level work before full-time college study.

To participate in the College Now Program, seniors must be in the top half of their class and carry a B (3.0 GPA), or be in the top 50th percentile on a nationally standardized test. Juniors must be in the top third of their class and carry a B (3.0 GPA), or be in the 70th percentile on a nationally standardized test. Sophomores must be in the top 10% of their graduating class and have scored in the 90th percentile on a nationally standardized test. To verify eligibility, transcripts and test scores must be sent to the College Now Office.

### PSEO (Post Secondary Enrollment Option)

The Postsecondary Enrollment Options (PSEO) program allows 10th-12th grade students to earn high school and college credit by completing nonsectarian courses at eligible postsecondary institutions, either on campus or online. Students must meet residency and eligibility requirements and abide by participation limits. Schools must provide PSEO information to students and families, and enrolling in a PSEO course does not prevent students from participating in high school activities. PSEO courses must meet graduation requirements, and credits earned are transcribed by the school district. Tenth-grade students may initially enroll in one Career and Technical Education (CTE) PSEO course if they meet reading proficiency requirements.

For more information about the PSEO program at Maple River please see the PSEO section of the Guidance Office website at [www.isd2135.k12.mn.us/guidance](http://www.isd2135.k12.mn.us/guidance). For current information about the PSEO program statewide, visit the Minnesota Department of Education’s Post secondary Enrollment Options (PSEO) webpage.

# COLLEGE & CAREER

## RESOURCES

The Maple River Counseling Department supports students in grades 9-12 by providing assistance with career and college exploration, admissions, financial aid, and scholarships. Our aim is to ensure that each student is well-prepared for their chosen path, whether it's attending a 4-year or 2-year school, joining the military, entering the workforce, taking a gap year, or another option. We work closely with families to achieve the best fit for each student.

### Educational Options

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#### Career and Technical Schools

Vocational schools provide practical training programs that focus on hands-on expertise and skills necessary for specific technical and industrial jobs. These schools offer a range of short-term courses in various career fields, with some taking only a few weeks to complete, while others may span up to two years. Any high school graduate can enroll in a vocational or technical school.

#### Community Colleges

Community colleges offer cost-effective career-focused programs that equip students with the skills and knowledge necessary to embark on their career paths in just one or two years. Graduates of one-year programs receive diplomas or certificates, while those completing two-year programs earn associate degrees. Community colleges also serve as a stepping stone for students who wish to transfer to a four-year college after completing their first year or two. Admission to community colleges is open to all high school graduates.

#### Apprenticeships

Apprenticeships are a structured approach to acquiring expertise in a skilled occupation, craft, or trade. They are an employer-led initiative that follows a “learn-while-you-earn” model, integrating on-the-job training with relevant classroom instruction. Apprenticeship training is available in a variety of industries, including construction, manufacturing, transportation, and service.

#### Four-year Colleges

A four-year college or university program is an undergraduate degree program that leads to a bachelor's degree

in a specialized field of study. Students pursue a bachelor's degree to prepare for a career, advanced studies, or both. Admission prerequisites to four-year colleges differ among institutions and are determined by the student's intended area of study. The factors taken into consideration include the student's cumulative GPA, college entrance exam scores (ACT or SAT), and high school coursework. Most college/university campuses offer on-campus accommodation.

#### Military

The United States Armed Forces consists of six distinct branches, namely the Army, Navy, Air Force, Coast Guard, Marine Corps, and Space Force. Serving in the military provides individuals with structure and discipline, along with various opportunities for career development and practical experience. As the country's biggest employer, the military provides instruction in over 2,000 fields of work.

#### Gap Year

A gap year is a period of time, typically a year, taken by students after completing high school or before starting college, to explore new experiences and gain personal or professional growth. A gap year can help students gain a better understanding of themselves and the world around them, develop independence and resilience, and gain practical experience that can be useful in their future academic and career pursuits.

# SOURCES

## College & Career Planning Time

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### 9th Grade

- Meet your counselor to develop a relationship
- Learn about college admission requirements.
- Register for Grade 10 Courses.

### 10th Grade

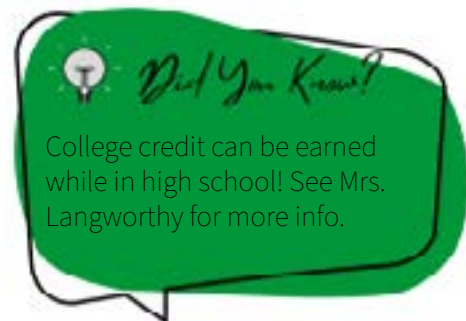
- Begin thinking about your interests, abilities, personality, values, and what career and post high school options might be the best fit.
- Successfully complete all coursework to support a strong GPA. Remember: all classes count toward your cumulative GPA.
- Register for Grade 11 courses.

### 11th Grade

- Attend the MN National College Fair to learn about colleges and universities.
- Begin thinking about criteria important to you if you are interested in attending college after high school (size, location, distance from home, majors, cost, public or private, housing).
- Begin creating a list of colleges that meet your needs so you can begin gathering additional information and visiting colleges of interest.
- Review/update your 4-year academic plan and plan for after high school.
- Begin narrowing college choices and learn their admission requirements.
- Register to take the ACT and/or SAT.
- Take the ACT, SAT, or SAT subject tests. All juniors are offered the ACT exam during the school day in the third trimester.
- Begin collecting college application information.
- Consider visiting colleges/universities in the spring and/or during the summer.
- Use financial aid estimators on college websites.

### 12th Grade

- Continue to take a full course load.
- Take the ACT or SAT again if you are not happy with your scores yet.
- Attend college fairs.
- Free Application for Federal Student Aid (FAFSA) [studentaid.ed.gov/sa/fafsa](http://studentaid.ed.gov/sa/fafsa) opens October 1 using income and tax information from an earlier year.
- Attend financial aid night with parent(s)/guardian (s).
- November 1 is a common college application deadline- check deadlines for your colleges.
- Research and apply for scholarships.
- Research FAFSA Priority Deadlines at the colleges you applied to in order to receive timely “financial aid Award Letters.” Submit FAFSA.
- Visiting colleges after being accepted can help you decide your first choice-watch for “Admitted Student” visit days.
- Make your decision about what college/university to attend by May 1, “National Decision Day,” and notify other schools of your intent not to attend by the timelines designated.
- Secure housing, set up appointments for any required placement tests, and sign up for orientation.
- Send your final transcript to the college you will be attending in the fall.



## AGRICULTURAL SCIENCE & TECHNOLOGY

The Agriculture department strives to provide students with the fundamental knowledge and skills needed to prepare them for their future careers. Our variety of courses offered do a great job of encompassing all aspects of agriculture to give students a diverse education. Whether a student chooses to pursue a degree from a tech school, two/four year college or enter the workforce they will be better prepared.

### INTRODUCTION TO AGRICULTURE SCIENCE

0001D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10	CREDITS: .5
PRE-REQUISITE: NONE	

This is an introductory to agriculture course for freshmen and sophomores. This class will expose students to basic concepts in agriculture. Units of study include dairy foods, turf grass management, soils, food science, parliamentary procedure, FFA and more. Students will taste different types of dairy products, make root beer and learn how to identify different soils.

### SMALL ANIMAL CARE

0003D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE:10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

This course will introduce students to small animals and companion pets. This class will focus around the species of dogs, cats, rabbits, fish, amphibians, reptiles, birds and others. Students will gain basic knowledge of these animals including anatomy, reproduction and caring for animals. Students will be required to share a small animal with the class.

### LANDSCAPE DESIGN

0005D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE:10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

Students will learn the principles of landscaping and its practices in this class. The first half will focus on practices and design and the second half will be completing landscape projects around the community. Students will be able to design a landscape, construct and know what plants to use after this class.

### AGRONOMY/PLANT SCIENCE

0006D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE:10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

This course will investigate scientific concepts relating to economic plants. Topics will include scientific methods, taxonomy and classification, distribution and adaptation, cell structure and function, anatomy and physiology, reproduction, genetics and plant breeding, and others.

### LARGE ANIMAL SCIENCE

0007D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

This class will focus around the livestock industry. Animals to be covered include dairy cattle, beef, pork, chicken, sheep, goat and horses. Students will not only learn about each animal and how to raise them but also how to effectively judge certain species. Students will also learn about meat processing and how it relates to large animal production.

Tech Prep College Credit

ANSC 1100 Livestock Production Principles

## AGRICULTURE BUSINESS/LEADERSHIP

0009D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is all about preparing a student for a career in agriculture and or running a business. We will look at components of successful small towns, business management, agricultural sales and parliamentary procedure and more. There is a possibility students will have time to work on current ag issues topic if time allows.

## AGRICULTURE WORK BASED LEARNING - FALL

0010A

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

Students will work in the class for a few weeks before being released a period early from school to a work site. Students need to have a work site in place and will be required to fill out weekly records of hours worked. Students must work a minimum of 8 hours a week. Students are supervised by both the instructor and employer and need to complete a training agreement.

## AGRICULTURE WORK BASED LEARNING - WINTER

0010B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

Students will work in the class for a few weeks before being released a period early from school to a work site. Students need to have a work site in place and will be required to fill out weekly records of hours worked. Students must work a minimum of 8 hours a week. Students are supervised by both the instructor and employer and need to complete a training agreement.

## AGRICULTURE WORK BASED LEARNING - SPRING

0010C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

Students will work in the class for a few weeks before being released a period early from school to a work site. Students need to have a work site in place and will be required to fill out weekly records of hours worked. Students must work a minimum of 8 hours a week. Students are supervised by both the instructor and employer and need to complete a training agreement.

## HORTICULTURE

0011D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course will explore plant concepts in primarily horticulture and floriculture. The first two-thirds of class are about plant concepts and how to grow plants. Weekly labs will be conducted during this part where students will test and grow their own plants. The last third of class is about floral design and students will make their own bud vases, boutonnières and baskets to take home. Students will be in the greenhouse at least one time a week.

## MINNESOTA WILDLIFE

0012D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Minnesota Wildlife is very similar to Natural Resources. In addition to learning more birds, fish, mammals, and insects we will learn about reptiles and amphibians. Other topics include case studies, water quality, species of special concern, and habitat management. Students can take this course without having taken Natural resources.

# Course Overview

## NATURAL RESOURCES

### 0013D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

This course will focus around wildlife management, fish, mammal wildlife, entomology, conservation, forestry, and alternative energy. Students will be able to identify various species of wildlife mammals, insects and birds after this class.

## VETERINARY SCIENCE

### 0014D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: SMALL ANIMAL CARE OR LARGE ANIMAL SCI	

In this class students will explore career opportunities in the animal science areas. Students will learn about animal anatomy, systems, physiology, digestion and functions. Class will be based around practices and procedures on animals such as giving shots, doing stitches, physicals, clinical, medicine and such. It is encouraged for students to take "Small Animal Care" or "Large Animal Science" before taking this class.

## INTRODUCTION TO AGRICULTURAL TECHNOLOGY

### 0040D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10	CREDITS: .5
PRE-REQUISITE: NONE	

Students will learn basic power tool operation such as miter saws, jigsaws, tablesaw, sander, circular saw and more. Safety will be the focus and then students will make a nothing box to practice their skills. Upon completion of the nothing box, students will build a bean bag board set. There is a cost associated with this class for materials.

## HOME REMODELING

### 0043D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: INTRO TO AG TECH	

Students will practice home construction and maintenance tasks in this class. Building a wall, drywalling, mudding and taping, painting, and doing tile are major units. This class is to help students later in life when it comes to home ownership as well as an introduction to the various careers. Students will need to take Intro to Ag Tech before this course in order to be qualified to use the power tools. There is a cost associated with this class for materials.

Tech Prep College Credit

MEAG 1500 Facility Maintenance

## SMALL ENGINES

### 0045D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

Students will learn the major systems of a small engine, basic tear down, and reassembly. They will learn how to measure parts for wear. Students will learn how to look up different parts using industry manuals. Students must bring in their own engines to work on. This class has a high emphasis on class participation. There is a cost associated with this class for materials.

Tech Prep College Credit

AGME 1801 Outdoor Power

## AGRICULTURAL MECHANICS

### 0047D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5
PRE-REQUISITE: SMALL ENGINES	

This course is designed to further student's knowledge on basic power, electricity, and automotive vehicles. This course includes classroom instruction along with practical lab work. Students will need to provide vehicles to work on in class. This course is to prepare students for entry-level positions in industry.

## WELDING 1

0048D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course teaches students the basic processes of welding as well as how they are used in the industry, wire feed, stick, and gas welding. Students will learn to weld vertically and horizontally. There is a cost associated with this class for materials.

## WELDING 2

0049D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: WELDING 1		

This course will build upon what is learned in Welding 1 and take it one step further with perfecting the welding technique. Along with a more project based class the students will also be learning to read blueprints. There is a cost associated with this class for materials.

## SCIENCE OF BAKING

0056D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is designed to introduce students to the basic chemistry behind baking reactions. Safe food preparation, handling and storage will also be discussed. Students will have hands on labs experimenting with the fundamentals of baking while gaining a knowledge about many techniques used in kitchens. There is a course fee associated with this class for materials.

## SCIENCE OF COOKING

0057D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is designed to introduce students to the basic chemistry behind cooking reactions. Safe food preparation, handling and storage will also be discussed. Students will have hands on labs experimenting with the fundamentals of cooking while gaining a knowledge about many techniques used in kitchens. There is a course fee associated with this class for materials.

## MECHATRONICS

0058A 0058B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

Mechatronics will be an introduction to the world of robotics. Things that will be covered in the course; hydraulics, multimeters, electrical controls and sensing devices, soldering and circuit boards, automation lab. How could this course be relevant to you? Think automation equipment-think robotic milkers, automatic feed lines, modern grain handling facilities, variable rate technology, and modern food packaging lines.

# Course Overview

## ART

Art has always allowed for expression of ideas, views, and creative thought as well as human emotions, such as joy, empathy, and empowerment. Art education at Maple River High School offers students an opportunity to explore their world and their place in it. Imagination, innovation, and a sense of vision is emphasized so students can have a creative outlet to express themselves.

### INTRODUCTION TO ART DESIGN

#### 0100A 0100B

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .5/TERM
PRE-REQUISITE: NONE	

This is a developmental course and provides fundamental art skill in mediums such as watercolor, paper folding, ink, graphite, collage, calligraphy, and others. Students will acquire a deeper understanding and interpretation of personal expression through visual art using the elements and principles of design, as well as art history.

ALL GRADE 9 STUDENTS NOT IN BAND OR CHOIR WILL TAKE THIS COURSE THEIR FRESHMEN YEAR.

### DRAWING

#### 0101D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: INTRO TO ART DESIGN	

Students will learn a variety of drawing techniques that will provide them with a working knowledge of how to draw faces, full figures, and many other compositions. Student will explore different drawing techniques using traditional media such as pencils, charcoal, colored pencils, and chalk. Students will also use non-traditional drawing materials such as paint, glue, and paper. Basic drawing terms such as value, shape, form, texture, and line will be thoroughly explored.

### PAINTING

#### 0102D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: INTRO TO ART DESIGN	

The painting class will provide the students the opportunity to paint with watercolor and acrylic paints. Subjects will vary from realistic to abstract and will include landscape, portrait, still life and animals. Famous painters will be studied as examples of various techniques and styles. Creative use of color and brush techniques will be emphasized so students can develop their own 'style'.

### 3D DESIGN SCULPTURE

#### 0103D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: INTRO TO ART DESIGN	

Students will build and display three-dimensional art. Mediums include but are not limited to clay, plaster, wire, wood, paper-mache, and found objects. Projects can be self-standing, wall hanging, and/or suspended. Students will learn how art can effectively occupy space and interact with people. Sculpting, carving, and assembling of mediums will enable the student to create a number of three-dimensional works.

### INDEPENDENT STUDY ART

#### 0106D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5
PRE-REQUISITE: INSTRUCTOR APPROVAL	

Students must choose their focus of study in art. Students will create a work plan on how they will use their time during the trimester. Students must submit a list of projects they would like to work on.

THESE ITMES MUST BE SUBMITTED PRIOR TO ENROLLING FOR THE COURSE.



## DRAWING 2

### 0108D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: INTRO TO ART DESIGN, DRAWING 1		

Drawing 2 combines the study of photo realism, fine art, and abstract concepts. This class will focus on developing a strong understanding of form, composition, light, and shadow to create lifelike and detailed drawings. Experimentation and individual expression will be encouraged to push students to think creatively and outside the box.

## SENIOR PORTFOLIO

### 0112D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

For advanced students. Plan of action is a must. Intended for students pursuing post-secondary and/or artistic careers.

## POTTERY

### 0113D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: INTRO TO ART DESIGN		

Learn the basic of working with clay, creating pieces by hand and using the wheel. Experiment with different finishes on pottery pieces and learn about the kiln-firing process. Pottery artists of all backgrounds and their techniques are studied. Make bowls, vases, cups, sculpture, and more.

## PAINTING 2

### 0115D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: INTRO TO ART DESIGN, PAINTING 1		

Painting 2 is an advanced course that focuses on developing fine art painting skills. Students will build upon the techniques and concepts learned in Painting 1. Emphasis will be placed on creating personal, meaningful works of art through experimentation and individual expression. Students will also study the work of established painters to understand different styles and techniques. This class is for those with a passion for fine art painting and a desire to hone and improve their skills.

## PHOTOGRAPHY

### 0116D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: INTRO TO ART DESIGN		

Photography combines the art of photography with the technical skills of digital media to give students a comprehensive understanding of visual storytelling. Students will learn the basics of photography, including composition, lighting, and exposure, as well as the use of digital cameras and editing software. In addition, they will explore the use of digital media in the creation of photo stories and multimedia projects.

# Course Overview

## BUSINESS

Business classes prepare students with the skills, knowledge, and professionalism needed to succeed in the workforce. Business education classes are designed for students to problem-solve, be creative, make decisions, interact with peers in a professional manner, and grow their personal skills within the classroom with project-based learning. After students graduate, they will be equipped to enter the fast-changing workforce with skills to make them successful in any industry.

### BUSINESS 101

#### 0205D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10	CREDITS: .5
PRE-REQUISITE: NONE	

Learn all about what makes businesses successful! Throughout this project-focused class, students will make their own business of their choice and use it to learn about the world of business. This includes designing logos, business advertisements, marketing materials, and business plans. This class will help prepare you to succeed in the workplace after high school.

### PERSONAL FINANCE

#### 0206D

<b>R</b> MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 12	CREDITS: .5
PRE-REQUISITE: NONE	

Personal Finance presents essential knowledge and skills to transition to the real world. Topics covered include: budgeting, investing, insurance, debt repayment, credit cards, building credit, taxes, saving and careers. The goal of this class is to prepare you for life after graduation. Understanding and managing your personal finance is key to achieving financial success in your future!

### EXPLORE TECHNOLOGY

#### 0214D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

Students will learn how to use new programs and applications on your computer. Many assignments allow students to be creative. Students will create a website, create an app, learn how to use spreadsheets, design logos and create 3D objects on your computer.

### ACCOUNTING 1

#### 0215D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

Accounting 1 is designed to provide students with the foundational knowledge of business finances. Students will learn how businesses make money, keep track of their financials, purchase supplies, pay employees, and how to do accounting procedures for a business. Students will gain knowledge of journalizing and posting transactions, worksheets, financial statements and accounting concepts and procedures essential to the accounting cycle.

### ACCOUNTING 2

#### 0216D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5
PRE-REQUISITE: ACCOUNTING 1	

Accounting 2 builds upon the knowledge and skills learned in Accounting 1. Students will get hands-on experience with purchasing supplies, bookkeeping, creating financial statements, paying employees, and journalizing business transactions. They will also explore the role managers and owners have in running a financially successful business.

Tech Prep College Credit  
ACCT 1810 Financial Accounting

## SPORTS MARKETING

0218D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Throughout this class students will learn what it takes to promote a business in the sports and entertainment industry. Students will create their own fictional businesses, logos and websites, and learn how to promote their business to potential customers. Areas covered in this course include: the basics of marketing, target marketing, sponsorships, event marketing, TV advertisements, social media promotion and marketing plans.

## ENTREPRENEURSHIP

0222D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Do you want to be a manager someday? Work for a business? Own your own business? This class is designed to give students a basic understanding of how businesses work. Students will learn how to be a manager and a leader, while also learning how to make smart business decisions. Throughout the class, students will create their own business of their choice and use it to learn about the world of business and entrepreneurship. Students will also help create and manage our new school store.

## SOCIAL MEDIA MARKETING

0223D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

The world is becoming more digital every day. During this class students will learn how to create: business websites, social media advertisements, social media campaigns and blogs. Students will also create a website and digital promotional strategy for a business of their choice. Learn what it takes for today's businesses to be successful on social media and the internet!

## INVESTING

0226D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Do you want to become a millionaire? Seriously, it's possible! Throughout this class students will learn the many different ways you can invest your money. Topics covered include: the stock market, investing for retirement, stocks, bonds, social security, 401K's, interest rates and insurance. You will learn how to make wise investment and money decisions. During the trimester you will practice investing money in the stock market and making sound financial decisions.

## COLLEGE/CAREER READINESS

0227D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is designed for students to prepare for life after high school. Students will develop skills necessary to thrive in the college environment, as well as explore career options that interest them. This class contains job shadowings, which will allow students to learn hands-on about the career you want to pursue. Have you ever said "I don't know what I want to be when I grow up?" or "I think I might want to be a doctor, teacher, farmer, or business owner, I'm just not sure," then this class is for you! This class will help you get a better understanding of what desire for your future and how to get there.

## SCHOOL STORE MANAGEMENT

0228D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5 CAN RE-PEAT	
PRE-REQUISITE: NONE		

This is an exciting class being offered to students at Maple River! Students in this class will gain hands-on experience of how to run a business by creating a brand school store/business. During this project-based, hands-on class you will work with your classmates to order merchandise for the store, create a website, create a social media page, market the store and keep track of the finances. There's no better way to learn how businesses work besides creating one, and that is exactly what you'll do in this class!

# Course Overview

## ENGLISH

The Maple River English department strives to develop students' skills as writers, readers, communicators, critical thinkers, and consumers of information. The ability to participate and thrive in these areas can help perpetuate success both now and in life beyond high school. To meet the needs of our constantly changing society, we offer a wide variety of required classes and electives to cater to students' interests and educational needs. Concurrent enrollment courses are also offered in College Writing, College Literature, and College Speech through Southwest Minnesota State University.

### INDEPENDENT NOVELS

#### 0229D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .5 CAN REPEAT
PRE-REQUISITE: NONE	

This fun elective course will offer students the opportunity to read! The class will center around student choice in both independent reading and a class "book club" type reading environment and may include the following: a variety of high-interest texts, discussion, creative writing prompts/reflections, analysis of literary elements/plot/author decisions, etc., small group literature circles, viewing and comparing to the film version as applicable, and some group work/projects. Included texts will be both student- and teacher-selected. Assessment will occur in a variety of ways but will focus heavily on participation and reading reflections/responses. This will be an enjoyable elective, and it would be great to have you join!

### ENGLISH 9

#### 0301A 0301B 0301C

<b>R</b> MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 9	CREDITS: .33/TERM
PRE-REQUISITE: NONE	

Students continue their work in the English language, furthering their writing and reading skills. The course includes a concentration on writing with a review of the basic parts of speech, usage and mechanics, the

writing process, and the writing of the formal essay, including a research paper. Literature will include an in-depth study of Shakespeare's Romeo and Juliet, the short story, non-fiction writings, and poetry.

### ENGLISH 10

#### 0302A 0302B 0302C

<b>R</b> MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 10	CREDITS: .33/TERM
PRE-REQUISITE: NONE	

Students continue their work in the English language, furthering their writing, reading, grammar, and presentation skills. Students will prepare four different types of speech during the year as well as create a variety of multi-media projects including videos and websites. Students will read a variety of literature, including North American literature, to develop critical thinking skills and to build their language development through reading comprehension and vocabulary building.

### ENGLISH 11

#### 0306A 0306B 0306C

<b>R</b> MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 11	CREDITS: .33/TERM
PRE-REQUISITE: NONE	

Students will complete their required work in the English Language, furthering their writing, grammar, and presentation skills. Literature will focus on the History of American Literature. Writing will focus on a narrative essay, a concept essay, and a fully researched argument essay. Communication will continue work with a group discussion and prepared speeches, with a new emphasis on interviewing and career development. There will also be emphasis placed on reading informational texts in order to be prepared for the ACT and other standards. Students will have full coverage of grammar and vocabulary.

## ENGLISH 12

0310A 0310B 0310C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 12	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Students complete their required work in the English language, furthering their writing, presentation skills, interviewing, and media literacy. Writing will focus on career research, which will culminate in a presentation during the first trimester. Media literacy will be taught in two areas: film and journalism. For the film components, students will study key directors, terminology, and significant films of each decade. For the journalism component, students will design and direct a weekly news program (Eaglevision). To facilitate timeliness and topicality for the news report, the two sections of English 12 will rotate content every six weeks. Students will be able to sample three different jobs in journalism during the three rotations throughout the year.

## COLLEGE SPEECH

0311A 0311B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

This course teaches the use of verbal and nonverbal communication to organize and deliver effective oral presentations. The students will deliver a minimum of four speeches, including impromptu, extemporaneous, persuasive, and informative. Two speeches will contain a minimum of five different sources. An outline and works cited page utilizing MLA format will accompany these two speeches. Students will gain knowledge and skills in: developing critical thinking skills, analyzing and adapting to an audience and occasion, research practices, effective speech composition using evidence and varying forms of support material, preparing and presenting information in groups including effective visual aids, effective delivery, organizing the body of the speech, developing critical listening skills, effective methods of speech criticism, identifying and overcoming listening barriers, effective outlining, selecting the speech purpose and limitation of the subject area.

SMSU CONCURRENT ENROLLMENT COURSE  
 SPCH 110: ESSENTIALS OF SPEAKING AND LISTENING  
 (3 CREDITS)

## COLLEGE ENGLISH 11

0333A 0333B 0333C

<b>R</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11	CREDITS: .33/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

This LIT100 College Literature course is offered through Southwest Minnesota State University in Marshall. Students will read extensively in the genres of short stories, novels, poetry, and drama. In addition to reading, students will write at least two formal 3-5 page essays, an essay test, and numerous reading reflections over the course of the class. It is expected that students who enroll in this course will be prepared for a demanding reading schedule with an emphasis on strengthening critical reading and thinking skills. This course is rigorous and has high expectations; it is fundamentally different from a high school class, and the requirements are in line with a college course. Students will earn three college credits if they meet the requirements of this course. (Grade 11 - English Requirement Option) After the two-trimester LIT100 course ends, students in College English 11 take one trimester of speech. Topics include an introduction to public speaking, controlling nervousness, listening, reaching the audience, selecting topics, purpose, and central idea, finding information, using information wisely and ethically, supporting ideas, visual aids, the body of the speech, introductions and conclusions, outlining, and delivery. Students will complete a variety of speaking and listening opportunities including group presentations of course content, a self-introduction speech, a career exploration unit and researched career speech, mock interviews, and an informative speech. Emphasis is placed on developing comfort and confidence in front of an audience. ACT practice is also integrated into this class to help prepare for the spring ACT test.

SMSU CONCURRENT ENROLLMENT COURSE  
 LIT 100: LITERATURE: HUMAN DIVERSITY  
 (3 CREDITS)

# Course Overview

## COLLEGE WRITING

0336A 0336B

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 12	CREDITS: .5/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

This course is offered through Southwest Minnesota State University in Marshall. Students will complete a variety of writing exercises including brainstorming, outlines, reflections, and other informal writing assignments in addition to writing four 3-5 page essays and one 7-10 page paper. All of these essays will be research essays and will heavily incorporate citing and analysis of ideas. The standards are that of a rigorous college-level course, and strong time management skills are required. Students will earn four college credits if they meet the requirements of the course.

SMSU CONCURRENT ENROLLMENT COURSE  
ENG 151: ACADEMIC WRITING  
(4 CREDITS)

## LIFE FITNESS-HEALTH

The goal of physical education at Maple River High School is to develop physically literate individuals who have the knowledge, skills, and confidence to enjoy a lifetime of physical activity. To fulfill a lifetime of physical activity, a physically literate individual learns the skills necessary to participate in a variety of physical activities, knows the implications and benefits of involvement in various types of activities, participates in regular physical activity, is physically fit, and values physical activity and its contribution to a healthful lifestyle.

### LIFE FITNESS

0501D

<b>R</b>	MEETS REQUIREMENTS: OPTIONAL REQUIRED COURSE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: PE/HEALTH 9		

Students will continue their work in acquiring general knowledge, fundamentals, strategy, skill and sportsmanship in a wide variety of activities. This course is designed to expose students to individual, team, and lifetime activities. Students will determine current level of fitness, set goals and implement their fitness plan, documenting their progress. Students will assess the impact and effectiveness of the plan.

## PHYSICAL EDUCATION/ HEALTH 9

0502A 0502B

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 9	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

This course is designed to continue the student's work and knowledge gained to this point in both physical fitness and health behaviors that most affect the student's "Health Triangle". This course will allow the students to continue having a movement oriented class all year long but will be intermixed every other day with health in the classroom. Students will better understand their current physical fitness level and set goals and implement their fitness plan with documentation. Some classroom topics will be: Goal Setting, Decision Making, Nutrition, Unintentional Pregnancy, First Aid, Stress Reduction, and Media Influences. This course will help students make educated decisions about their health and how their decisions affect others.

## RECREATIONAL ACTIVITIES

0511D

<b>R</b>	MEETS REQUIREMENTS: OPTIONAL REQUIRED COURSE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: PE/HEALTH 9		

This course is focused on those students interested in lifetime activities that will help them be more active as they age. The course will explore the possibilities of enjoying all the wonderful seasons that Minnesota offers from winter to summer camping and all the things involved around these activities. Course will include a camping trip during the trimester to a state park to camp, canoe and fish. Additional chaperones will be needed. Survival/Camping: Shelter, warmth, food, self-defense, basic orienteering, fishing (winter or summer), camping (winter or summer). Individual Sports: Swimming (rescue), canoeing, Frisbee, martial arts. There is a cost associated with this class for some activities. Students are NOT allowed to take this course more than one time.

## WEIGHT TRAINING/ATHLETIC DEVELOPMENT

### 0512D

<b>R</b>	MEETS REQUIREMENTS: OPTIONAL REQUIRED COURSE	
GRADE: 9, 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

ZERO HOUR COURSE - There is a high possibility that this course will be offered only as a ZERO HOUR COURSE which means the course would be taught from 7 a.m. to 8 a.m. before the start of the normal school day. Students who sign up for this course would have to be able to attend at that time. This course is designed to improve athletic performance as well as overall fitness levels. On Monday, Wednesday, and Friday students will report to the weight room. They will begin the year with the readiness lifting program. After students graduate from the readiness program they will move into the Bigger Faster Stronger lifting program and will track their progress throughout the trimester. The major emphasis during lifting days will be to improve lifting technique in the six core lifts and break records every week in each individual's BFS program. Sport specific auxiliary lifts, super sets, and abdominal work on M/W/F to target the entire body will also be mixed in. The major emphasis on Tuesday and Thursday is to improve skill related fitness components (agility, balance, power, reaction time, coordination, and speed) through a variety of workouts, drills, and games. Other topics that will be discussed in this class include the principles of training, basic muscle anatomy, and the health benefits of physical activity. Students are allowed to take this course more than once.

## MATHEMATICS

Mathematics is truly for everyone as it teaches students how to decode and analyze problems, to think critically and create a plan for solving, and finally to carry out and perform the skills needed to successfully find a solution to the proposed question(s). It is this thinking process that the Maple River Math Department hopes to instill in our students. In addition, our department focuses on helping students become fluent in their basic math skills that are needed across the board from personal finance to technical careers to engineering. Concurrent enrollment courses are also offered in College Precalculus and College Calculus.

### NONLINEAR ALGEBRA

#### 0571A 0571B 0571C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 9	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Nonlinear algebra is the complement course to linear algebra. The algebra topics covered the previous year will be reviewed and the students will be introduced to the following topics: Exponents, Polynomials, Factoring, Data Analysis & Probability, Patterns & Functions, Quadratic Functions & Equations, Exponential & Radical Functions, Rational Functions & Equations.

### GEOMETRY

#### 0605A 0605B 0605C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE:10	CREDITS: .33/TERM	
PRE-REQUISITE: NONLINEAR ALGEBRA		

This course develops a structured mathematical system employing both deductive and inductive reasoning with the use of proofs. Students study congruent segments and angles, circle chords, secants and tangent segments, parallel and perpendicular lines, angle measure in triangles, triangle congruence and similarity, proofs, logic, properties of quadrilaterals, transformations, the Pythagorean Theorem, right triangle trigonometry, geometric constructions, coordinate geometry, and surface area and volume of solids.

# Course Overview

## HONORS GEOMETRY

0606A 0606B 0606C

<b>R</b>	MEETS REQUIREMENTS: OPTIONAL REQUIRED COURSE	
GRADE: 9	CREDITS: .33/TERM	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

This course extends and deepens the topics of the regular course. Extra topics will be studied as time allows.

## ALGEBRA II

0608A 0608B 0608C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 10,11	CREDITS: .33/TERM	
PRE-REQUISITE: NONLINEAR ALGEBRA, GEOMETRY		

This course will continue and expand the study of functions and their graphs. Linear, absolute value, quadratic, radical, cubic, polynomial, rational, exponential and logarithmic function will be studied. We will work with systems of equations and inequalities with curve fitting, programming, and transformations. Some work on data handling with probability and statistic, sequences and series and matrices will be covered. Right triangle trigonometry, graphs of the trigonometric functions and their identities will also be studied.

## HONORS ALGEBRA II

0609A 0609B 0609C

<b>R</b>	MEETS REQUIREMENTS: OPTIONAL REQUIRED COURSE	
GRADE: 10,11	CREDITS: .33/TERM	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

This course will include all topics in Algebra II with additional topics as time allows.

## STATISTICS

0610A 0610B 0610C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: GEOMETRY, ALGEBRA 2		

This course is designed to provide a basic understanding of descriptive and inferential statistics. Topics include the measures of central tendency, standard deviation, combinations and permutations, probability, sampling and various distributions. Emphasis is on applications of statistical concepts.

## COLLEGE PRECALCULUS

0617A 0617B 0617C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

College Pre-Calculus is a detailed study of the mathematics needed for calculus. Concepts are presented and explored from symbolic, graphical, and numerical perspectives. Basic concepts covered include numerical patterns, complex numbers, polynomial, rational, exponential, logarithmic and trigonometric functions and systems of equations.

SMSU CONCURRENT ENROLLMENT COURSE  
MATH 135; PRECALCULUS  
5 CREDITS

## COLLEGE CALCULUS

0618A 0618B 0618C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .33/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

College Calculus is a full academic year of work in calculus and related topics. The course is recommended for students planning on majoring in mathematics, engineering, physics, business, and life sciences.

SMSU CONCURRENT ENROLLMENT COURSE  
MATH 150; CALCULUS 1  
5 CREDITS



# MUSIC

Music is an art form that has the power to communicate emotions, tell stories, and connect people across cultures and time periods. High school music classes provide students with the opportunity to develop their musical skills and knowledge, as well as their creativity, teamwork, and self-expression. Students will learn to read music, play instruments, sing, and analyze musical elements such as melody, harmony, rhythm, and form. They will also explore the historical and cultural contexts of different musical styles and genres, and develop an appreciation for the diversity of musical expression around the world. Through individual and group performances, as well as listening and reflection, students will develop their critical thinking and communication skills, and gain confidence and self-discipline. Whether students pursue a future career in music or are simply seeking personal enrichment, high school music classes offer a unique and rewarding experience for all students.

## SYMPHONIC BAND

0701A 0701B 0701C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Students will study and perform medium to advanced high school band literature. This group will give three public performances during the year and will participate in MSHSL Large Group Music Contest, Memorial Day and graduation ceremonies. Students will continue to master basic musical skills and concepts, as well as study the history of the modern band and its musical repertoire. Concert attire for ladies will be a black dress blouse or shirt with no logos or writing and black dress pants/skirt or a black dress. Concert attire for men will be a black dress shirt with no logos or writing and fully tucked in and black dress pants. No jeans or leggings will be worn for performances. Students must purchase black shoes through the instructor and provide black socks. This is a year-long course and students will not be allowed to unenroll midyear.

# CHOIR

0703A 0703B 0703C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Students will develop/demonstrate techniques and skills in the art of singing in a four-part mixed choir. Emphasis is on learning to sing music in parts with or without accompaniment. Selections studied and performed are chosen from a variety of styles. The Choir gives three concerts and participates in the Large Group Music Contest each year. Choir students are eligible to participate in the solo and ensemble contest each spring. The choir takes a trip every two years.

## ALTERNATE BAND/CHOIR

0710A 0710B 0710C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Students wishing to take both Symphonic Band and Choir will do so on alternating days.

# Course Overview

## SCIENCE

Maple River has a strong tradition of developing and delivering high quality science education curriculum. The scientific process is central to the lives of humans because of the skills acquired through a strong scientific education. Skills developed in our scope and sequence of classes are the ability to ask questions, collect and analyze information, organize and test ideas, solve problems, and apply what is learned to different phenomena. A strong science background will help in the development of inquiry skills, as well as communication, collaboration, and perseverance. All of these things will help develop a confidence in our students as they leave the doors of Maple River and continue to tackle the “I wonder” questions of life after high school.

### SCIENCE 9

0800A 0800B 0800C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 9	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Science 9 covers two disciplines of science, physics and earth science. The student will use a laboratory experiment approach to develop concepts, form conclusions, further critical thinking skills, and set the stage to form questions which require further investigation.

### BIOLOGY

0802A 0802B 0802C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 11	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Biology is the study of life, and since the assumption is made that all of you reading this are alive, it is the study of you and the living world around you. Through the course of the year, we will be studying the biological concepts, theories and principles that relate to cells, heredity, evolution, interdependence of organisms, behavior of organisms, and ecology. Your study will include lecture, reading, experiments, research, modeling, writing, presenting, and discovery learning.

## PHYSICS

0804A 0804B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: CHEMISTRY		

Physics can be defined as the most basic processes of Nature: matter/energy, motion, and forces. One of the purposes of this class is to provide an understanding of the concepts of basic physics and to be able to see the applications of these in the world. Physics is considered a basic science because all other natural sciences (chemistry and biology included) use the concepts of physics. This class is necessary for any college-bound science student and recommended for any student with an interest in the nature of Nature. The realm of physics includes, but is not limited to, mechanics, dynamics, thermodynamics, optics, and electromagnetism. The class is designed to explain this full realm of physics from a conceptual level. Although this class is designed to let the physics do the talking, a solid math background will be very helpful. It is true that many of the concepts in physics can be counter-intuitive or complicated and many of the problems may be technical and intricate. However, there are many thought provoking and just plain cool things to learn and discover in this class. The class will contain lab work.

### COLLEGE BIOLOGY 101

0805A 0805B 0805C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .33/TERM	
PRE-REQUISITE: SMSU ELIGIBILITY REQUIREMENT		

The College Biology course is aimed at providing students with the biological concepts, knowledge, and skills needed to attend a post-secondary college with interest in science, especially the medical, botanical, genetic, or forensic science fields. Students will be following the college syllabus of the Biology 100 course of Southwest Minnesota State University. Students will spend the year investigating in depth the concepts of molecules, cells, anatomy, physiology, genetics, biological change over time, organisms, and ecology. Investigation will be done through extensive laboratory experiences, readings, student activities, field trips, and instructor lecture.

SMSU CONCURRENT ENROLLMENT COURSE

BIOL 100: BIOLOGY IN THE MODERN WORLD

3 CREDITS BIOLOGY 100L: BIOLOGY IN THE MODERN WORLD LAB 1 CREDIT

## FIELD ECOLOGY

### 0820D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This is a hands-on, outdoors-based upper level science course. Ecology is the study of relationships between organisms and their environment, and the word field refers to scientific research conducted outside. Specific topics of study include general ecology, conservation biology, fish and wildlife biology, and limnology (science of fresh water). The local ecology of southern Minnesota will also be highlighted throughout the course. Both laboratory and outdoor activities will be used to explore these topics.

## ANATOMY/PHYSIOLOGY

### 0822D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This semester long course is designed to take an introductory look into human anatomy and physiology. We will be looking at a variety of different organs and organ systems; examining their structure, their function, common injuries and the healing process. In addition, more detail will be paid to history and the musculoskeletal system and identification of the different muscles and bones. This class will involve some dissection and possible field trips.

## CHEMISTRY

### 0830A 0830B 0830C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 10	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

Chemistry is the study of matter and its changes. Chemistry is known as a central science because it uses concepts of physics (matter, energy, etc.) and is useful in explaining a lot of biology (proteins, photosynthesis, etc.). The main objective of this class is to provide an understanding of the concepts of basic chemistry and to be able to see the applications of these concepts in your life. About one fourth of this class will be devoted to conducting experiments in the laboratory. The goal of the laboratory is for the students to learn common lab procedures and how to record and interpret data.

## 3D PRINT STUDIO

### 0832D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5 CAN RE-PEAT	
PRE-REQUISITE: NONE		

In 3D Print Studio, students will learn the basics of 3D printing, 3D printer maintenance, and 3D print design. Students will learn the basics of operating a 3D printer, including setting up the printer, transferring print files, changing out printer filament, and operating the printer to create your own prints. Further, students will learn how to troubleshoot the printer in the case of failed prints. Students will also learn the basics of printer maintenance, from daily to weekly and monthly maintenance. Towards the end of the course, you will learn how to create your own design and make it a reality on the 3D printer.

## INTRODUCTION TO SPORTS MEDICINE (offered 23-24 school year)

### 0834D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is designed to teach students components of sports medicine, including exploration of the following: sports medicine careers, medical terminology, anatomy and physiology, first aid, injury prevention, rehabilitation techniques, therapeutic modalities, and sports nutrition.

## DISEASES & DISORDERS (offered 24-25 school year)

### 0835D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

This course is designed to introduce students to common diseases and disorders of the human body. Included is a look at how disease processes in the human body with emphasis on the etiology (causes), signs, symptoms, diagnostic tests, and treatment.

## MEDICAL MYSTERIES

0836D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE:10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

In this podcast based class, we will look at some of the most bizarre and unique illnesses that have been diagnosed. Have you ever heard of Ergotism? Do you know there is a connection between ergotism and the Salem Witch Trials? How about Alice in Wonderland Syndrome? When exactly was the first bubonic plague outbreak and what impact has the plague had on society and politics? These are the types of medical mysteries that will be explored in this class. This is a project based class that will not only look at the science behind the illness, but also the historical and sociological connections as well. It is a cross curricular exploratory class for those interested in science, in history in the medical field or the person who just likes strange facts.

## INTRODUCTION TO HEALTH SCIENCES

0837D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE:10, 11, 12	CREDITS: .5
PRE-REQUISITE: NONE	

This course aims to introduce students to a variety of healthcare careers and the basic skills required in all health and medical sciences. Students will learn basic medical terminology, organ system anatomy, as well as explore careers in therapeutic services, diagnostic services, support services, health informatics and research & development. Guest speakers and field trips will supplement the course by providing first hand experiences. If time allows, we will explore some of the major bioethical issues in the area of healthcare.

## SOCIAL STUDIES

The primary purpose of social studies is to help you develop the ability to make informed and reasoned decisions for the public good as citizens of a culturally diverse, democratic society in an interdependent world. In essence, social studies promotes knowledge of and involvement in civic affairs. Throughout your social studies courses, you will learn to understand the facts, concepts, principles, and perspectives that shape our world, apply learning to complex situations and contexts, think critically about important issues, communicate your findings, and engage in the processes of problem-solving and inquiry. Social studies will help you better understand our world and help you discover your place in it.

## HISTORICAL DETECTIVES 9

0900D

<b>E</b> MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9	CREDITS: .5
PRE-REQUISITE: NONE	

Historical Detectives is a one trimester course designed to explore if American history is dull and dreary as most textbooks portray it to be. Students will examine the textbook version of key historical events and then they will search for the truth. Using videos, readings and research, they will uncover bias and discover what really happened in history. Students will also examine novels and Hollywood movies to see if they portray history any better than the textbook historians.

## AMERICAN HISTORY 9

0902A 0902B 0902C

<b>R</b> MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 9	CREDITS: .33/TERM
PRE-REQUISITE: NONE	

TERM A - Pre-Civil War - Life at the Turn of the Century (1850-1920). This course includes the following units of study: The Union in Peril, The Civil War, Reconstruction, Westward Expansion, Industrialization, Immigration, and Urban Life, Progressivism, Becoming a World Power, and World War I.

## AMERICAN HISTORY 9 - CONTINUED

TERM B - Progressivism - WWII (1890-1945). This course includes the following units of study: Becoming a World Power, Progressivism, WWI, The Roaring 20's, The Crash and Great Depression, The New Deal, and WWII.

TERM C - Civil Rights Movement - Modern History (1960 - Present). This course includes the following units of study: The Civil Rights Movement, The Kennedy and Johnson Years, Activism of the 1960's and 1970's, The Vietnam War, The Nixon/Ford/Carter Years, The Conservation Revolution, and a New Era 1992-Present.

## INTRODUCTION TO ECONOMICS 11

### 0903D

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 11	CREDITS: .5	
PRE-REQUISITE: NONE		

This Economics course will help students make reasoned judgments about both personal and economic questions and broader questions of government and business economic policy. Students will be able to identify different types of economies and demonstrate how they operate, compare and contrast measures of economic performance and market fluctuations, evaluate the economic role of government and labor in a free market economy, apply personal financial management and investment practices, and illustrate key factors in the United States' economic relationships with other nations.

## HUMAN GEOGRAPHY 10

### 0904A 0904B

<b>R</b>	MEETS REQUIREMENTS: REQUIRED	
GRADE: 10	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

The main purpose of this course is to introduce students to the study of geography as a social science by emphasizing how geographic concepts are relevant to everyday human problems.

TERM A - The main topics or themes of Human Geography A include: Thinking Geographically, Popula-

tion, Migration, Folk and Popular Culture, Language, Religion, and Ethnicity.

TERM B-The main topics or themes of Human Geography B include: Political Geography, Development, Food and Agriculture, Industry, Services and Settlements, Urban Patterns, and Resource Issues.

## WORLD HISTORY

### 0905A 0905B 0905C

<b>R</b>	MEETS REQUIREMENTS: REQUIRED COURSE	
GRADE: 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: NONE		

This World History course is a comprehensive study of World History, which includes the broad history of humankind. Throughout the course students will be introduced to cultural, economic, political and social developments that played a fundamental role in shaping the world in which they now live.

World History (A) topics include: The People of The World: Prehistory-2500 BC, Early River Valley Civilizations: 3500-450 BC, People and Ideas on the Move: 2000 BC-250 BC, First Age of Empires: 1560 BC-200 BC, Classical Greece 2000 BC-300 BC, Ancient Rome and Early Christianity: 500 BC-500 AD, India and China Establish Empires: 400 BC-550 AD.

World History (B) topics include: African Civilization 500 BC-700 AD, Societies and Empires of Africa 800-1500, The Muslim World 600-1250, The Muslim World Expands 1300-1700, Byzantines, Russians and Turks Interact 500-1500, Empires of East Asia 600-1350, European Middle Ages 500-1200, The Formation of Western Europe 800-1500.

World History (C) topics include: European Renaissance and Reformation 1300-1600, An Age of Explorations and Isolations 1400-1800, Absolute Monarchs in Europe 1500-1800, Enlightenment and Revolution 1550 -1789, The French Revolution and Napoleon 1789-1815, Nationalist Revolutions Sweep the West 1789-1815, An Age of Democracy and Progress 1815-1914, The Age of Imperialism 1850-1914, Transformations Around the Globe 1800-1914.

# Course Overview

## U.S. GOVERNMENT 12

0917A 0917B

<b>R</b>	MEETS REQUIREMENTS: REQUIRED	
GRADE: 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

This U. S. Government course will broaden student knowledge of the foundation of United States Government, its function in the nation today, and an individual's role as an American citizen. Students will be able to identify documents and institutions that were fundamental in the creation of U. S. government, categorize the branches of government and the powers that each hold, compare and contrast varying levels of government including federal, state, and local, evaluate the history and current role of politics in the U.S., and illustrate connections between government and individual's participation.

U. S. Government A topics include: Foundations of U. S. Government and the U. S. Constitution, the Legislative Branch, the Executive Branch, and the Judicial Branch.

U. S. Government B topics include: Civil Liberties and Civil Rights, Elections/Voting/and Political Parties, Federalism, State and Local Government, World Governments and U. S. Foreign Policy.

## PSYCHOLOGY

0921D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Psychology is a one trimester elective course that will provide students with an introduction to the many different areas of study in psychology, to teach them how to think critically about psychological research, and to encourage students to apply psychological principles in their everyday life. Material from the textbook will be presented through lectures, videos, and the students participation in discussions and demonstrations.

## SOCIOLOGY

0923D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Sociology is a one trimester elective course that is designed to help students explore the basic principles and theories of sociology. Topics including culture, social stratification, population, urbanization, social control, deviance, collective behavior, social change, and social movements will be discussed. Students will examine social questions that address why people are members of different societal groups. Throughout the course, we will use case studies, projects, group discussion, debate, and guest speakers to actively learn about sociology topics.

## SOCIAL STUDIES THROUGH FILM

0924D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Social Studies Through Film is a one trimester elective course that will introduce students to a wide variety of content found within the field of Social Studies. Students will learn how to analytically watch, listen to, and discuss films covering the Social Studies disciplines including World History, American History, Geography, Anthropology, Psychology, Sociology, Economics, Political Science, and Archeology. Students will experience a general introduction of each field and then will view a film that relates to that field. The goal of the course to guide students in their learning through films that interest them.

## CURRENT EVENTS

### 0926D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Current Events is a one trimester elective course that is designed to familiarize students with our government and current issues and decisions facing the United States. Throughout the course, we will use news articles, television programs, group discussions, debates, and projects to actively learn about the current events occurring on local, state, national, and world level. Analyzing the validity of news sources and identifying bias will be incorporated throughout this course.

## STREET LAW

### 0934D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Street Law is a one trimester elective course that will introduce students to the legal system of the United States. Throughout the course, we will use case studies, projects, group discussion, debate, guest speakers, and mock trials to actively learn about the law. Street Law will touch on both broad themes and a few specific legal topics to give students a better understanding of how the law affects students in real life and also how it is fundamental to ensuring a just society. The purpose of Street Law is to help students learn about their rights and responsibilities and to encourage them to think critically about our legal system.

## MINNESOTA HOMETOWN HISTORY

### 0936D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Minnesota Hometown History is a one trimester elective course designed to explore Minnesota's state and local history. Students will spend time examining the creation, cultural roots, and traditions of their local communities. Their experiences will include first-hand participation, observation, class activities, research, and discussion with guest speakers. Students will engage in discussions and debates about issues of representation and the presentation of public history and will participate in a field trip to explore a historic site.

## U.S. MILITARY HISTORY

### 0937D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

U.S. Military History is a one trimester elective course that will allow students to examine U.S. wars and recent military issues. This course provides students with an overview of American military history relative to the causes, nature, outcomes, and significance of major wars and related issues; essentially, is a study of the concepts, events, leaders, and outcomes of American military history from the American Revolution to recent times.

# Course Overview

## WORLD LANGUAGE

To be a global citizen is an important aspect of growth at Maple River High School. By exploring the world language of Spanish, students will be able gain understanding of the language and work towards cultural proficiency. This will allow students to continue their world language exploration, and make connections among diverse cultures. Opportunities for students to immerse themselves in cultural activities may be presented in and outside the classroom.

### SPANISH 1

1001A 1001B 1001C

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 9, 10, 11, 12	CREDITS: .33/TERM	
PRE-REQUISITE: ENGLISH TEACHER APPROVAL		

Students will be introduced to the Spanish language and culture through listening, speaking, reading and writing. Students will learn vocabulary for basic introductions, time, school subjects and classroom vocabulary, objects in their room, weather, hobbies and pastimes, family and chores. Using these topics, students will speak, record themselves, listen to present tense & future discussions, read simple texts and write short paragraphs.

### SPANISH 2

1002A 1002B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 10, 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

Spanish 2 is a continuation of Spanish 1. The students will be building on their skills from Spanish 1. We will be adding more vocabulary for travel city, shopping market and youth. Students will work on more complex structures. Students will learn past tense in addition to continuing to improve their present tense and future tense skills.

### SPANISH 3

1003A 1003B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: INSTRUCTOR APPROVAL		

Spanish 3 utilizes what the students have learned from the two previous years and works on more complex structures. We will practice with all tenses. Students will be reading and writing more and will read some Spanish literature and poetry.



## COMMUNITY SERVICE

When students help people in their community, they are not only serving others but they are also learning more about themselves and the world around them. At Maple River High School, students are encouraged to volunteer and be part of their community through daily interactions with others who are at various stages of life development. Such experiences will have a lasting, positive impact on our students' lives.

### LEARN & SERVE

#### 1152D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE - CAN REPEAT	
GRADE: 9, 10, 11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Students will participate in a service-learning activity centered on the needs of the school and community as well as the interests and skills of the students. Students will develop their interpersonal skills while practicing problem-solving skills. Students will be assigned a volunteer experience within the school or community. Students will volunteer daily during the class period. Assignments include a weekly journal, attendance log, and reflection papers.

## EDUCATION ACADEMY

At the present time, the demand for teachers is at an all-time high. At Maple River High School, students considering the education profession are encouraged to explore their options, whether their interest is working with young children, teenagers or beyond. The courses in the Education Academy assist students in learning more about human development and growth as well as provide opportunities to explore various careers in education. Job shadows with current educational professionals are a highlight to this academy!

### INTRODUCTION TO EDUCATION

#### 1153D

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE:11, 12	CREDITS: .5	
PRE-REQUISITE: NONE		

Intro to Education is an introduction to early childhood, elementary, and secondary education for students interested in teaching. Students will explore their potential for teaching in light of admission criteria and licensure requirements. Includes study of historical and social foundations of education topics such as inquiry into the teaching and learning process, schools in a multicultural and diverse society, the profession of teaching principles of cooperative group learning and cultural differences, communication and stereo typing. Fifteen hours of field experience is included.

### INTRO TO EARLY CHILDHOOD EDUCATION - Fall Term Only

#### 1199A 1199B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE:11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

This course provides an overview of the early childhood field, including theories, philosophies, missions, and regulations. It examines the roles and responsibilities of professionals in a variety of career settings.

# Course Overview

## CREATIVE ACTIVITIES/ENVIRONMENT Fall Term Only

1200A 1200B

<b>R</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

The student will gain knowledge and skills related to providing age-appropriate learning experiences and learning environment for young children. The students will examine role of the teacher in providing learning experiences to meet each child's needs, capabilities, and interest, and way to implement the principles of developmentally appropriate practices. The student will practice language and literacy, social, emotional and sensory learning, art and creativity, and math and science learning experiences.

## INFORMATION TECHNOLOGY ACADEMY

Information Technology (IT) is an important area of exploration for students at Maple River High School, as it prepares them for many high-demand jobs in emerging technologies. To be competitive in this global society, students will learn skills that can be transferred to post-secondary programs of study.

## DISCOVER IT! Fall Term Only

1202A 1202B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

This course introduces the student to the world of information systems. Students will explore the history of computing, career opportunities in information technology, computer concepts as they apply to a business environment, basic web, page development, command-line interfaces, file management principles, computer numbering systems, and data based principles. Students will also receive initial exposure to computer programming and algorithms through the use of problem analysis, pseudo-code and entry level programming languages.

SOUTH CENTRAL COLLEGE CREDIT  
COMP 1120: FOUNDATIONS OF COMPUTING  
4 CREDITS

## JAVASCRIPT ROCKS!

### Fall Term Only

1203A 1203B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

Programming Fundamental is designed to be a person's first exposure to the world of computer programming. This course covers how to design and implement a computer program, writing a program that will make different types of decisions, how to solve problems using computer programs that remember things, make decisions, and perform repetitive tasks. This course uses both Alice and JavaScript to help the student meet these objectives. Alice is a 3-D programming environment from Carnegie Mellon University designed to teach programming concepts. it is an enjoyable and easy -to-use-programming environment that assists the student in making 3-D animated movies. JavaScript is a popular language used for by web browsers to get input from the user. JavaScript teaches client-side scripting. This course is part of the Web Programming Certificate and the AAS information Systems programming degree at South Central College. You will need to have a basic understanding of (X)HTML for the second half of this course which uses JavaScript. A minimum typing speed of 20-35wpm is recommended.

SOUTH CENTRAL COLLEGE CREDIT  
 COMP 1130: PROGRAMMING FUNDAMENTALS  
 4 CREDITS

## CREATE A WEBSITE

### Spring Term Only

1204A 1204B

<b>R</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

This course approaches developing websites from a business point of view. As a result of this course, students will understand the underlining of the web technology and be able to create and publish web pages according to the World Wide Web Consortium standards. Students will utilize Hyper-Text Markup Language (HTML) and Cascading Style Sheets (CSS) to build, and Search Engine Optimization (SEO) methods to promote a website. No previous experience with HTML or programming is required.

SOUTH CENTRAL COLLEGE CREDIT  
 COMP 1140: WEB FOR BUSINESS  
 3 CREDITS

## CYBER SECURITY FOUNDATIONS 1

### Fall Term Only

1206A 1206B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE:11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: NONE		

Cybersecurity Foundations introduces students to the cybersecurity and networking concepts they must understand to be able to recognize and mitigate attacks against networks and mission-critical infrastructure. Students will learn:

- Cybersecurity ethics
- Cybersecurity careers
- The nature and scope of today's cybersecurity challenges.
- Detailed information about next-generation cybersecurity approaches.
- Knowledge of interconnected technologies.
- Security methodologies, technologies, and concepts used to implement a secure network environment. Examine threat vectors, vulnerabilities, and risks.
- Strategies for network defense.
- The ability to plan, design, implement, and troubleshoot network infrastructure environments.

# Course Overview

## HIGH STEP ACADEMY

Over the course of several years, Maple River High School has been in partnership with local and regional stakeholders who have prepared students for future careers in healthcare. The courses offered through the High-STEP Academy provides students an opportunity to learn more about the variety of healthcare careers as well as the academic knowledge and practical skills necessary to begin working in the healthcare field.

### HEALTH SCIENCE TECHNOLOGY

#### Fall Term Only

1301A 1301B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: SCC ELIGIBILITY REQUIREMENT		

This course will focus on the requirements needed by healthcare professionals to effectively work in a variety of healthcare settings and explore workplace skills such as accountability and responsibility, workplace behavior, approaches to assist clients, and expectations of teams and team members. This course provides a framework for healthcare workers to interact with diverse clients and staff, including belief systems, cultural practices, and respect and sensitivity to cultural, gender, and age issues. Identifying elements of communication and how those elements can develop into effective communication within the healthcare setting is a key focus, as well as learning when and how to utilize those skills in challenging situations. Health care ethics will be addressed and target ethical decision-making and personal and professional values. Legal issues in healthcare will round out the course, concentrating on healthcare laws and social media in healthcare. Healthcare safety and standards precautions will be incorporated, as well as personal wellness for the healthcare professional. This course was designed as a part of the Minnesota Health Care Core Curriculum. Health Science Technology

SCC COLLEGE COURSE  
HC 1525: HEALTH CARE CORE FOUNDATIONS  
4 CREDITS

### MEDICAL TERMINOLOGY

#### Spring Term Only

1302A 1302B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 11, 12	CREDITS: .5/TERM	
PRE-REQUISITE: SCC ELIGIBILITY REQUIREMENT		

Students must complete an application & be accepted as part of the Health Science Career Academy. Get details from the Guidance Office if interested in registering for this course.

Medical Terminology is an online course and is the second course of the Health Science Career Academy through South Central College and the South Central Service Coop. This course is an introduction to the language of medicine that is used in the health care profession. The student will learn to spell, pronounce, define, and interpret medical terminology related to body structure, disease, diagnosis, and treatment.

SCC COLLEGE COURSE  
HC 1000: MEDICAL TERMINOLOGY  
3 CREDITS

### BASIC NURSING

1308A 1308B

<b>E</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .5/TERM	
PRE-REQUISITE: HEALTH SCIENCE TECHNOLOGY COURSE		

This course meets federal and state criteria for eligibility to take the state test to become a NA-R. It introduces concepts of basic human needs, the health/illness continuum and focuses on preparing students to safely perform basic nursing skills needed to function as a Nursing Assistant. This course is an 80-hour curriculum developed by the Minnesota State Colleges and Universities. Students participate in online curriculum studies, laboratory skills and gain hands-on experience during their clinical rotation. Students that successfully complete this course qualify for admittance to the Competency Evaluation at the approved Minnesota Technical College test site.

**NASM CERTIFIED PERSONAL TRAINER**

1311A 1311B 1311C

<b>R</b>	MEETS REQUIREMENTS: ELECTIVE	
GRADE: 12	CREDITS: .33/TERM	
PRE-REQUISITE: HEAL SCI TECH & MED TERM.		

The 7th edition of NASM’s Essentials of Personal Fitness Training has been updated with current evidence, strategies, and training techniques designed to equip fitness professionals with the necessary skills to optimize human potential and performance. This program prepares students for a long-lasting career as a Certified Personal Trainer (CPT). Students are given all the tools and resources needed to become successful fitness professionals and positively impact the health and wellness of their clients. The NASM Optimum Performance Training® (OPTTM) model is the backbone of this process: a simple, straightforward approach to designing customized exercise programs that enhance clients’ abilities to achieve their health, wellness, and fitness goals. With the OPT model, fitness professionals can successfully train clients toward any goal. \*\*The NASM CPT certification exam and one re-test voucher are included in the course at no charge to students or schools.

# Notifications

Non-Discrimination Notification: The School District's policy on non-discrimination assures that Maple River Schools does not discriminate in their program offerings on the grounds of race, religion, national origin, gender, age, sex, disability, marital status, or status in regard to public assistance. The District also has a policy that prohibits religious, racial and sexual harassment and violence by students and staff against any student or staff member. If someone feels that there has been a violation of one of these policies, a procedure has been established for dealing with and resolving the complaint. Additional information and forms may be obtained from the Superintendent's Office.

Vocational Opportunities Annual Notification: Maple River School District offers a variety of vocational opportunities through the Agricultural Science, Ag Technology, and Business Education Departments. The purpose of this notice is to inform students, parents, employees and the general public that these opportunities are offered regardless of race, color, national origin, sex or disability. Admission in the specific courses is determined by grade level, and in some cases, completion of prerequisite courses. A listing of program offerings and career and educational technology course descriptions is included in Maple River High School School's 2018-19 Registration Book which is available at the high school office and on the high school website under the Guidance Office link.

The District has designated the following individuals to coordinate compliance with Section 504 of the Rehabilitation Act of 1973 and Title IX of the Education Amendments Act of 1972.

Dan Anderson  
Superintendent Title IX & VI Coordinator  
Maple River School District  
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Dusty Drager  
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# Our team

Our team is dedicated to helping students register for classes and navigate the complex process of selecting courses. We understand that course registration can be overwhelming and confusing, especially for new students. That's why we are here to offer guidance and support throughout the registration process. We work closely with students to help them select classes that align with their academic goals and interests



Ann Langworthy  
Guidance Counselor  
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Ted Simon  
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Mary Ulrich  
High School Secretary  
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# 23-2024



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