

# 2022-2023 BENSON HIGH SCHOOL REGISTRATION GUIDE

## For 9-12th Grade Students

### Registration Information

- This registration guide is designed to assist you in planning your course direction for your high school career. Consult with your parents/guardians, teachers, older students, principal and counselor when developing this plan.
- The minimum number of credits required in each course area that must be taken and passed are as follows:

○ English	4.0 credits
○ Math	3.0 credits
○ Social Studies	3.5 credits
○ Physical Education/Health	1.0 credits
○ Arts (Many Options)	1.0 credits
○ Business	<u>.5 credits</u>

**REQUIRED Credits    16.0 Credits**

**ELECTIVE Credits    12.0 Additional Credits**

**TOTAL CREDITS    28.0 (7 Credits required per year)**

- Seven credits must be earned per year to remain “on track” for graduation. *A failing grade during the current year in any required course will result in having to repeat that course which may require a change in your tentative schedule for next year.*
- Students must be registered for a minimum of seven credit-bearing class periods per semester. See the guidance counselor for possible exceptions.
- Priority for courses with limited enrollment may be given by grade level seniority or require teacher approval.
- Course offerings will vary from year to year based on the number of students registering for courses and teacher availability.
- Prerequisite courses may be required as preparation for other courses.
- Courses worth .5 credit are one semester long and courses worth 1.0 credit are one year long.
  - Credit may be withheld for first semester work in a year long class, if a student drops the second semester.
  - If a student drops a year long class, they will have to complete a “Drop/Add” form which can be picked up from the guidance counselor.
  - If a student must drop a class for disciplinary reasons, it may result in a failing grade for the class.
- Students may make schedule changes with the guidance counselor prior to the start of the semester, but once the semester begins any schedule changes require principal approval.

# BHS REQUIREMENTS/COLLEGE PREP GUIDELINES

## Subject Area/BHS Requirements

## Available Courses at BHS

**ENGLISH- 4 credits- 9-12th grade**

**English 9, English 10, English 11**, Short Stories, MSt. College Writing, Business Communications, Yearbook

College Recommendations: MN Universities (4 years), Private Colleges (4 years), ND Colleges (4 years), SD Colleges (4 years)

**MATHEMATICS- 3 credits- 9-11th grade**

**Algebra I, Geometry, Algebra II**, MSt. College Algebra, MSt. Intro to Stats, MSt. College Trigonometry, MSt. Applied Calculus and Linear Algebra

College Recommendations: MN Universities (4 years), Private Colleges (4 years), ND Colleges (4 years), SD Colleges (4 years)

**SCIENCE- 3 credits- 9-12th grade**

**Science 9, Biology, Physics, Chemistry, MSt. Fundamentals of Chemistry**, Western MN Geology, Outdoor Science, Anatomy and Physiology I & II, ATCC Intro to Biology I & II

College Recommendations: MN Universities (3 years), Private Colleges (3 years), ND Colleges (3 years), SD Colleges (3 years)

**Social Studies- 3 ½ credits- 9-12th grade**

**Social 9/Civics, U.S. History 10, World History/Geography 11, Economics 12, MSt. Macroeconomics, MSt. Microeconomics**, Holocaust, Pop Culture, MSt. General Psychology, MSt. Sociology, MSt. Human Interaction

College Recommendations: MN Universities (3 years), Private Colleges (3 years), ND Colleges (3 years), SD Colleges (3 years)

**World Languages- No BHS Requirements**

Spanish I, Spanish II

College Recommendations: MN Universities (2 years), Private Colleges (2 years), ND Colleges (0 years), SD Colleges (0 years)

**FINE ARTS- 1 credit- 9-12th grade**

Studio Art, 2D Art, 3D Art, Digital Art, Media Arts I & II, Ceramics, Band, Choir, Web Design & Graphics, Computer Applications, Industrial Technology 9, Metals, Advanced Metals, Graphic Communication, Woods, CNC Design and Manufacturing Technology, Manufacturing Process, Construction and Carpentry Trades, CADD I, CADD II

College Recommendations: MN Universities (1 year), Private Colleges (2 years), ND Colleges (0 years), SD Colleges (½ year)

**BUSINESS- ½ credit 9th grade**

**Exploring Computers**, Computer Apps, Business Law, Personal Finance, MSt. Personal Finance, Accounting, Advanced Accounting, Web Design, Sports/Entertainment Marketing, Business Communications, MSt. Business Computers, Business Careers/Job Search/Flex Lab, Small Business Management, Yearbook

College Recommendations: MN Universities (0 years), Private Colleges (½ year), ND Colleges (0 years), SD Colleges (½ year)

**HEALTH/PHY.ED.- 1 credit 9-10th grade**

**Health 9, Health 10**, Senior High Phy Ed I, Personal Fitness

**Check the college you plan to attend for specific requirements that may apply to specific majors.**

## Earn College Credit While Taking High School Courses and Potentially \$AVE THOU\$AND\$ on Tuition, Fees and Books

- By successfully completing certain high school courses, you may earn credit or a course waiver at many Minnesota colleges.
- **Full-time students can earn high school and college credit** while attending certain classes at Benson High School.
- You will receive a transcript from Alexandria Technical Community College and/or M-State Community Technical College for successful completion of their classes.
- Your college credit from ATCC and M-State has no expiration date and will transfer to most colleges. It will also remain a permanent part of your college transcripts.

### COLLEGE ENTRANCE CONSIDERATIONS

- **Know the requirements of the colleges you are considering and plan your high school program to fit your career goals.**
- The Concurrent Enrollment College courses taught at BHS for "dual credit" offer students in grades 10-12 the opportunity to engage in college freshman-level courses to experience the rigor of standards that will be expected of them when they attend college full time as well as bolster their confidence to succeed when they do so.
- For Concurrent Enrollment College courses an accredited BHS teacher grades students for their high school requirements while a college professor supervises the course and assesses their work for the college transcript. The credits for these courses are widely accepted by colleges and universities and will help students get a head start on their general education/liberal arts requirements.
- Besides earning college credit through Concurrent Enrollment College courses, students may also attend college full or part-time through the Post-Secondary Enrollment Options program during their Junior or Senior year. See the guidance counselor for more information about these options.
- Minnesota has an excellent Technical/Community College system. These schools require that students have a high school diploma and that students take the ACT test, the COMPASS test or the ACCUPLACER test to determine appropriate placement. Competition in some programs makes acceptance increasingly difficult, so early application is important. Some programs require prerequisite courses for admission. In addition, students may also have the option upon completion of a 2-year AAS degree, to complete a four-year degree with an additional two years of coursework. See the guidance counselor for more information about specific majors.
- There are many excellent colleges and universities in our region. These include in and out-state technical colleges, private colleges and universities. Colleges may consider an applicant's total record, course selection, activities involvement, volunteer work, class rank,

staff recommendations and ACT scores. These admission policies are designed to identify those who are strongly motivated and have acquired the skills necessary for college success.

- **College Credit Classes** - Benson High school offers many courses through M-State and ATCC in which a student may earn college credit. In order to enroll in one of these courses a student must be registered as a full-time student in Benson Public Schools, have a minimum cumulative GPA of 3.2 for 10-11th grade students/a minimum cumulative GPA of 2.8 for 12th grade students, and students must achieve a passing score on the ACCUPLACER test.

**Concurrent Enrollment College Courses** - (College level courses offered through Benson High School)

See course descriptions in this document or contact guidance counselor for more information.

**English** - Public Speaking (3 credits)

**Mathematics** - College Algebra (4 credits), College Trigonometry (3 credits), Intro. to Stats (4 credits), Applied Calculus and Linear Algebra (3 credits)

**Social Studies** - Macroeconomics (3 credits), Microeconomics (3 credits), General Psychology (3 credits), Human Interaction Psychology (3 credits), Intro to Sociology (3 credits)

**Science** - Intro to Biology I (4 credits), Intro to Biology II (4 credits)

**Business** - Business Computers (3 credits), Personal Finance (3 credits)

## **AGRICULTURE**

Through agriculture education students develop an understanding of food, fiber and natural resources at the local, national and global scale. The implementation of the three components of agriculture education including classroom instruction, FFA and Supervised Agricultural Experience (SAE) will provide students with desired skills sets and knowledge which is essential for the agriculture industry. FFA will give students an opportunity to gain valuable career skills through leadership opportunities and contest participation.

### **BHS AGRICULTURE COURSES:**

#### **SMALL ANIMALS & POULTRY - 149**

½ Credit - 1st Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: Small Animals & Poultry focuses in the area of small animal care, veterinary skills and pet store management. Small animals include such animals as rabbits, tropical fish, birds and rodents. We will also be focusing on poultry management, by-products and processing.

#### **INTRO TO AG - 152**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: Get a full introduction of agriculture education through studying animals, crops/plants, food science and FFA.

#### **HORTICULTURE - 159**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: The study of plants both vegetables and fruits. Learn how plants function through classroom instruction and hands-on learning with aeroponic towers, hydroponic tables and seed starting trays. Practice labeling and sales with an end of the semester plant sale.

## **ANIMAL SCIENCE - 160**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: The science of large and small animals - livestock and companion. Learn anatomy, physiology, reproduction and nutrition.

## **FARM TO PLATE - 161**

½ Credit - 1st Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: Learn how to safely process dairy, poultry and meats through classroom instruction and hands-on labs.

**Benson High School FFA Chapter** - Students involved in agriculture classes at Benson High School also have the opportunity to participate in the Future Farmers of America (FFA) The National FFA Organization is dedicated to making a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education. Students compete in Regional, State and National competitions.

## **MRVED ONLINE COURSE:**

### **PLANT PRODUCTION**

½ Credit - Semester 1 or 2 Elective

Open to 9, 10, 11, 12

Instructor: Tori Barka, Lakeview High School

DESCRIPTION: Student experiences will include the study of plant anatomy and physiology, classification and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, the local and global economy.

## **VISUAL ARTS**

### **BHS VISUAL ARTS COURSES:**

#### **CERAMICS - 188**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

*Prerequisite: 3D Art*

DESCRIPTION: Expanding on the ceramic skills from 3D Art, students will work with ceramic clay and glazes to create ceramic sculptures. Projects will include decorative ceramic pieces as well as functional pieces like mugs.

#### **STUDIO ART - 193**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: This is an exploratory class that will utilize various art materials. You will learn a variety of skills and techniques while working on projects in drawing, painting and sculpture. An introduction to traditional art where you can develop your knowledge of art and your ability to create.

#### **2D ART - 194**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

*Prerequisite: Studio Art*

DESCRIPTION: This class will focus on drawing and painting techniques. Building on the skills from Studio Art, 2D Art will advance your skills like shading and texture by working on drawings and paintings with a variety of materials. Projects will include graphite, charcoal, oil pastel and colored pencil drawing as well as acrylic and watercolor paintings.

### **3D ART - 195**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

*Prerequisite: Studio Art*

DESCRIPTION: Explore art that is meant to be viewed from multiple perspectives in this class. Learn about different types of sculpture and develop your creative skills in a new dimension. Projects include paper mache and ceramics with other various materials to create sculptural works of art.

### **DIGITAL ART - 196**

½ Credit - 1 Semester Elective

Open to 9, 10, 11, 12

DESCRIPTION: Learn about the growing field of digital art and how it's impacting the art world. Work on digital projects utilizing iPads and the art program Procreate. Projects include digital illustration, graphic design and animation.

### **MEDIA ARTS 1 & 2 - 198/199**

½ Credit - Semester 1 or 2 Elective

Open to 9, 10, 11, 12

DESCRIPTION: This class focuses on the growing field of animation. You will learn about the 12 principles of animation and how to create 2D animations on an iPad in Procreate. Media Art II will expand into 3D animation using Blender. Projects focus on each of the 12 principles and expand into character design and animation.

## **BUSINESS TECHNOLOGY**

### **BHS BUSINESS TECHNOLOGY COURSES:**

#### **EXPLORING COMPUTERS 9 - 109**

½ Credit - 1 Semester

REQUIRED COURSE: Grade 9

DESCRIPTION: This course will focus on using Microsoft Office for preparing spreadsheets, desktop publishing projects and word processing projects commonly needed for other areas of your education. We will also explore careers using MCIS and other career websites. Students taking this course should be able to keyboard fluently (at least 30 words per minute on an official timing).

#### **COMPUTER APPLICATIONS - 110**

½ Credit - 1 Semester Elective

Open to 10, 11, 12

DESCRIPTION: This computer class is very practical for any field of study. Students will be using the Microsoft Office Suite of programs (Word, Excel, Access, PowerPoint) and Adobe InDesign and Photoshop to complete advanced applications. This is a "hands-on" class in which most of the time will be spent using the software to create attention-grabbing documents used in real life.

ARTICULATION (College Credit) through Ridgewater College is available on this course for 11-12th grade students.

### **WEB DESIGN & GRAPHICS - 112**

½ Credit - 1 Semester Elective

Open to 11, 12

DESCRIPTION: this course is for those interested in Adobe Photoshop, Dreamweaver, Flash and other graphic programs for creating web pages. XHTML and CSS codes along with other applications will be used. Students will work on creating web pages and will learn elements of web design. Students will also cover game design and development.

### **BUSINESS LAW - 113**

½ Credit - 1 Semester Elective

Open to 10, 11, 12

DESCRIPTION: The main objective is to develop the ability to recognize legal problems in everyday situations. The course provides a background in the federal and state court systems, contracts, buying and selling goods and in employer-employee relationships. Students have the opportunity to sit in actual court proceedings (conciliation court, arraignments) as well as have the opportunity to interact with individuals who work with the legal system.

### **PERSONAL FINANCE - 114**

½ Credit - 1 Semester Elective

Open to 10, 11, 12

DESCRIPTION: This course is an introduction to personal finance management and planning. Topics covered include key factors that affect personal income, budgeting, cash-flow management, use of debit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments.

### **MState PERSONAL FINANCE - 115**

½ Credit - 1 Semester Elective

Open to 11, 12

Prerequisites: Qualifying score on the ACCUPLACER test and 3.2 GPA 11th grade/2.8 GPA 12th grade

- **3 MSt college credits awarded for successful completion. (BUS1146 Personal Finance)**

DESCRIPTION: This course is an introduction to personal finance management and planning. Topics covered include key factors that affect personal income, budgeting, cash-flow management, use of debit and credit cards, planned borrowing, managing taxes and major expenditures including housing, automobiles, insurance and investments.

### **MState BUSINESS COMPUTERS - 116**

½ Credit - 1 Semester Elective

Open to 11, 12

Prerequisites: Qualifying score on the ACCUPLACER test and 3.2 GPA 11th grade/2.8 GPA 12th grade

- **3 MSt college credits awarded for successful completion. (MIS1100 Business Computers)**

DESCRIPTION: This course includes an overview of a variety of computer concepts. Students will learn a variety of software applications including Microsoft Office 2019 and Office 365 which will be helpful for students planning to attend college. Topics will include application software, the Internet, hardware components and peripheral devices and data processing.

### **BUSINESS CAREERS/JOB SEARCH/FLEX LAB - 117**

½ Credit - 1 Semester Elective

Open to 12

DESCRIPTION: Students taking this course will operate the school store, Braves Etc., and will work with advanced business and computer applications and with career portfolios. Students will work on their

communication skills and on documents that are essential to successful employment application. Students will also look into the use of digital media for recording professional videos and meetings. The focus of this course is career exploration, creating professional resumes, letters of application and miscellaneous communication related skills necessary for securing employment. The principles and techniques are practiced by learners in a mock interview.

### **SMALL BUSINESS MANAGEMENT - 119**

½ Credit - 1 Semester Elective

Open to 11, 12

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

### **ACCOUNTING - 120**

1.0 credit - Full Year Elective

Open to 10, 11, 12

DESCRIPTION: Accounting is the language of business and will be required of anyone pursuing a post secondary major in a business or related field. It is also a must for anyone who intends to own his or her own business. This introduction to the field of accounting will give you an excellent background for future success in college. You will acquire knowledge on the value of money management, budgeting and how to maintain personal finances. Students will use online working papers and Excel for some applications.

ARTICULATION (College Credit) through Ridgewater College is available on this course for 11-12th grade students.

### **ADVANCED ACCOUNTING - 122**

½ Credit - 1 Semester Elective

Open to 11, 12

Prerequisite: Accounting

DESCRIPTION: Advanced Accounting will expand on topics learned in Accounting. Areas covered include departmentalized accounting, corporation accounting, management accounting and cost accounting. Online working papers will be used extensively for accounting applications. The course is designed for students who want to pursue a career in business or a related field of study.

ARTICULATION (College Credit) through Ridgewater College is available on this course for 11-12th grade students.

### **SPORTS/BUSINESS MARKETING, ADVERTISING & SALES - 124**

½ Credit - 1 Semester Elective

Open to 10, 11, 12

DESCRIPTION: This course will focus on marketing in general, and students will learn about the different aspects of sports and entertainment marketing. Students will gain an understanding about what marketing is, examine the mix, conduct consumer research and take a look at the different types of careers in these areas of marketing.

## **BUSINESS COMMUNICATIONS - 125**

½ Credit - 1 Semester Elective

Open to 12

- **This course may be counted towards the senior English requirement.**

DESCRIPTION: This project-based course will teach students to communicate in a clear, courteous, concise, complete and correct manner on both personal and professional levels. Competency will be developed in oral and written communication for both interpersonal and employment applications. Listening skills will also be incorporated. The goal is to provide students with a solid communication base in reading, writing, speaking, listening, e-mail and telephone etiquette along with verbal and non-verbal communication.

## **YEARBOOK - 126**

½ or 1.0 Credit - 1 Semester or Full Year

Open to 11, 12/Preference given to seniors

- **Meets senior English requirement, if taken senior year**

Prerequisite: Computer Applications or written permission from teacher.

DESCRIPTION: Students will plan and publish the BHS yearbook. Duties include: schedule and take photos, design page layouts, edit and prepare pages for publication on a deadline. Students will be required to attend activities/events outside of the school day to complete duties and are responsible for advertising and sales. It will integrate critical thinking, problem solving, effective communication, collaboration, media law, online production and publication marketing.

**Business Professionals of America** - Business Professionals of America (BPA) is the national student organization for students enrolled in business courses. The purposes of the organization are to develop student leadership and competence in business skills and occupations and to promote student ambition for useful purposes. Any student enrolled in a business course is eligible to join BPA. Regional competition is held in late January; state competition is held in March; national competition is held in late April or early May. Students compete at regional competition in the areas of finance, business administration, information technology, digital communication and design, management, marketing and communications, and health administration. They advance to state if they place in their contest area. Benson's BPA chapter has qualified for national competition for the last 35 years. The 2023 National BPA competition will be held in Anaheim, California from April 26-30, 2023.

## **MRVED ONLINE COURSE:**

### **ACCOUNTING**

1.0 credit - Full Year Elective

Open to 10, 11, 12

Prerequisite: Computer and email skills are essential for this course. Articulation is available.

Materials: Textbook, Workbook, Practice Sets.

Instructor: Kim Johnson - Ortonville High School

DESCRIPTION: This is a study of the accounting procedures used by families and small businesses. Students will learn and practice using all of the basic accounting forms - balance sheets, income statements, worksheets, etc. as well as a variety of journal and ledger forms. Online workbooks and practice sets will be used to give each student the opportunity to actually practice the various

accepted procedures ordinarily applied in a variety of bookkeeping situations. This course is completed using online working papers, testing and automated software. This course will take you through the basic record keeping for a business and the day to day activities that take place in a record keeping office. Some of the topics covered in the class are: basic record keeping skills, budgeting, credit records, checking account records, cash receipts records, petty cash records, record keeping for sales clerks, charge sales, record clerks, order clerks, accounts payable clerks, small businesses and payroll clerks and financial statements.

### **MARKETING**

½ Credit - 1 Semester (Fall Only)

Open to 10, 11, 12

Instructor: Kelly Gigstad - RCW High School

DESCRIPTION: Marketing is a course which will provide a basic introduction to the scope and importance of marketing within the global economy. Students are introduced to functions involved in the marketing of goods, services and ideas. Emphasis will be placed on oral and written communications, basic math applications, problem solving and critical thinking skills as they relate to the following elements of marketing: selling, promotion, pricing, purchasing, risk management, marketing information management, product/service planning, distribution and financing. Students will produce a variety of marketing projects throughout the semester using a range of technology resources.

## **ENGLISH**

### **ENGLISH 9 - 53**

1 Credit - 1 Year - REQUIRED

GRADE 9

DESCRIPTION: Students will read several short stories, analyze poetry and study fiction and non-fiction novels. Students will extensively examine the play "Romeo and Juliet" and will write several essays including journalism to create a class publication. Additionally, students will work on a mini research unit and a drama unit.

### **ENGLISH 10 - 54**

1 Credit - 1 Year - REQUIRED

GRADE 10

DESCRIPTION: Students will pursue a general English class that studies literature, composition, vocabulary and grammar. Units will include reading and writing for various novels, short stories, Native American Studies and non-fiction material. Course will involve the use of Google Classroom.

### **ENGLISH 11 - 55**

1 Credit - 1 Year - REQUIRED

GRADE 11

DESCRIPTION: In this class students will take a thematic approach to explore the works of several major authors in the genres of poetry, short stories, drama, novels and non-fiction. Students will review, practice and increase their skills in reading comprehension, writing, vocabulary, critical thinking, grammar and communication.

**GRADE 12 - 1.0 CREDIT OF ENGLISH IS REQUIRED**

### **SHORT STORIES - 57**

½ Credit - 1 Semester

Open to 12

DESCRIPTION: This course will offer the opportunity to examine the genre of the short story by reading several selections categorized by sub-genres: realistic fiction, historical fiction, science fiction and suspense and horror. Students will criticize readings, analyze readings for literary elements and also respond verbally and in written form to readings.

### **MState COLLEGE WRITING - 59 - ONLINE ONLY**

½ Credit - 1 Semester Elective (S1)

Open to 12

Prerequisites: Qualifying score on the ACCUPLACER test and 2.8 GPA or higher

- **3 MSt college credits awarded for successful completion. (ENGL1101 College Writing)**

DESCRIPTION: Meets MnTC Goal Area. This is an introductory writing course designed to prepare students for later college and career writing. The course focuses on developing fluency through a process approach with a particular emphasis on revision. Students will consider purpose and audience, read and discuss writing and further develop their own writing processes through successive revisions to produce polished drafts. Course work will include an introduction to argumentative writing, writing from academic sources and a short research project.

### **MState COLLEGE PUBLIC SPEAKING - 60**

½ Credit - 1 Semester Elective

Open to 12

Prerequisites: Qualifying score on the ACCUPLACER test and 2.8 GPA or higher

- **3 MSt college credits awarded for successful completion. (COMM1120 Public Speaking)**

DESCRIPTION: This course is for seniors interested in improving their public speaking skills. The course covers the theories, practices and methods of public speaking, critical listening and critiquing. The focus in this course is on the concepts of planning and delivering oral presentations and enhancing learner listening skills.

### **BUSINESS COMMUNICATIONS - 125**

½ Credit - 1 Semester Elective

Open to 12

- **This course may be counted towards the senior English requirement.**

DESCRIPTION: This project-based course will teach students to communicate in a clear, courteous, concise, complete and correct manner on both personal and professional levels. Competency will be developed in oral and written communication for both interpersonal and employment applications. Listening skills will also be incorporated. The goal is to provide students with a solid communication base in reading, writing, speaking, listening, e-mail and telephone etiquette along with verbal and non-verbal communication.

### **YEARBOOK - 126**

½ or 1.0 Credit - 1 Semester or Full Year

Open to 11, 12/Preference given to seniors

- **Meets senior English requirement, if taken senior year**

Prerequisite: Computer Applications or written permission from teacher.

DESCRIPTION: Students will plan and publish the BHS yearbook. Duties include: schedule and take photos, design page layouts, edit and prepare pages for publication on a deadline. Students will be

required to attend activities/events outside of the school day to complete duties and are responsible for advertising and sales. It will integrate critical thinking, problem solving, effective communication, collaboration, media law, online production and publication marketing.

**MRVED ONLINE COURSE (Will not replace required English courses):**

**CREATIVE WRITING**

½ credit - Semester 1 or 2 Elective

Open to 11, 12

Instructor: Kevin Mies - LQPV High School

DESCRIPTION: Online creative writing will introduce students to the process and techniques of creative writing. Students will experiment with various types of writing including fiction, creative nonfiction, plays and poetry. Class readings will expose students to various writing styles and provide examples of the successes and strategies of other writers. Time will be spent discussing the writer's craft, the assigned readings and student writing.

**WRITING FOR SUCCESS IN COLLEGE**

½ credit - Semester 1 or 2 Elective

Open to 11, 12

Instructor: Scott Soden - Montevideo High School

DESCRIPTION: One of the biggest differences between high school and college is the amount and type of writing. College instructors, whether in liberal arts or vocational settings, expect students to produce writing that reflects a substantial reflection of content understanding. In addition, this writing demonstrates the ability to utilize sources correctly while citing them to avoid plagiarism. This course is designed to help students build confidence in those abilities through a process approach with particular emphasis on peer-editing and revision. Course work will include an introduction to argumentative writing, writing from academic sources and a short research project. This course serves as a valuable supplement to the traditional English curriculum. This elective course does not take the place of a required English class. This is an online course, so students must have the ability and willingness to stay on task, communicate with the instructor and classmates and take responsibility for the learning process.

## **INDUSTRIAL TECHNOLOGY**

**INDUSTRIAL TECHNOLOGY 9/10 - 131**

½ Credit - 1 Semester - Elective

Open to 9, 10

DESCRIPTION: The goal of this course is to touch base on all areas of disciplines we teach in our 10-12 curriculum. This course is an introductory course which will include Computer Aided Design Drafting, Woodworking, Metalworking and Graphic Communications. Individual and group projects will be incorporated throughout this course. The time spent on each area will vary. Throughout the course discipline and safety are key and will be highly emphasized. Hands-on application of hand tools and power equipment are important and necessary to developing an understanding of all the processes introduced and will be applied as needed.

**WOODS TECHNOLOGY - 132**

½ or 1.0 Credit - 1 Semester or Full Year - Elective

Open to 10, 11, 12

DESCRIPTION: During this course students will build an individual project through the use of creative thinking, problem solving and design. They will apply math skills to compute materials and project cost. Time permitting, students will develop a set of complete plans for their individual projects using CADD software. Students will also be given assignments and demonstrations to develop and understand the physical properties and characteristics of wood species, methods of basic furniture and cabinet construction and appropriate safety methods of machine operations. Students will also be introduced to precision measurement, safety instructions on machines and hand tools and project layout techniques for their individual furniture project. All students will be given our general and advanced safety instruction program.

### **CNC DESIGN & MANUFACTURING TECHNOLOGY - 134**

½ or 1.0 Credit - 1 Semester or Full Year - Elective

Open to 10, 11, 12

INSTRUCTOR'S PERMISSION REQUIRED

Prerequisite: CADD I

DESCRIPTION: The CNC Design & Manufacturing Technology course is designed to introduce students to CNC applications with our CNC Plasma Cutter and CNC Router. This course will prepare students to perform CNC applications and learn CADD drafting and graphics software programs. In addition, students will become involved in starting a school based business with design teams, marketing teams and sales teams to provide a real business and hands-on learning experience. One of our many goals in this class will be to create quality products for the community.

### **ROBOTICS, PNEUMATICS & DRONE TECHNOLOGY - 135**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

DESCRIPTION: In this class students will develop and expand skills to design and develop robotic devices. Topics may include mechanics, drone technology, electrical and motor controls, pneumatics, computer basics and programmable logic controllers. This curriculum is an introduction into the world of drones and robotics. This course will familiarize students with the basics of drone robotics and programming through collaborative teamwork.

### **COMPUTER AIDED DESIGN & DRAFTING I - 136**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

DESCRIPTION: The CADD course applies nine weeks of mechanical drafting and nine weeks of architectural drafting. This course is an excellent choice for students who choose to design and draft with various applications. Several unique designs and drawings are assigned to students to complete. All students will be using the AutoCAD 2021 platform to complete their drawings.

### **COMPUTER AIDED DESIGN & DRAFTING II - 137**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

DESCRIPTION: Continuation of CADD I. Areas covered will include architectural layout, 3-D modeling and rendering, electrical wiring diagrams, plumbing diagrams, kitchen and bath 3-D cabinet layout, landscaping and plot views. Students will complete full front and rear elevations from unique house plans. Students will be working with AutoCAD 2021 along with 3-D applications. Students may also

have the opportunity to be involved in our School-To-Work program filling the needs for drafting and engineering jobs within our local community.

### **MANUFACTURING PROCESS - 138**

½ Credit - 1 Semester - Elective

Open to 11,12

INSTRUCTOR'S PERMISSION REQUIRED

Prerequisite: CADD I

DESCRIPTION: This course is designed to assist students in successfully establishing a manufacturing process and all elements involved in making and marketing products. Students are guided through a reflective process that focuses on manufacturing, product development, material testing and marketing. Career exploration options are researched, and students are exposed to internships and job shadowing opportunities within our local communities. Teamwork and decision making models and goal setting techniques are examined and will be used to develop certain products that will simulate the complete manufacturing process. CorelDraw and AutoCAD software programs will be used to develop designs along with the use of the CNC plasma cutter and CNC router.

### **GRAPHIC COMMUNICATIONS - 139**

½ Credit - 1 Semester - Elective

Open to Grade 12

DESCRIPTION: The graphic communications course is designed to fit the needs of students wishing to experience a wide variety of graphics designed on our computers. Student activities will involve designing artwork, printing T-shirts, exploring designs on the internet, setting up jobs and understanding the basic fundamentals of screen printing and the use of computer generated graphics. Other class activities may include accounting, inventory, market research, pricing and management processes.

### **SMALL ENGINES - 140**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

DESCRIPTION: In this hands-on, activity based course students will explore a variety of transportation systems and the power and energy systems associated with them. Students will use the "technical design process" to master these concepts through various projects including, but not limited to, small engines, mouse trap cars, model rocketry and CO2 dragsters. Students in this course will also gain skills and practical experience working safely with the basic tools and machines found in the materials lab.

### **METALS TECHNOLOGY - 141**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

DESCRIPTION: Students will develop an understanding of precision measurement devices and structural properties of metallic materials. Students will be introduced to the following units of study: precision measurement devices, blueprint reading, materials testing, precision machining devices, wire feed welding, arc welding, gas welding and sheet metal assembly. All students will be given safety instructions on all equipment and hand tools.

### **ADVANCED METALS TECHNOLOGY - 142**

½ Credit - 1 Semester - Elective

Open to 10, 11,12

Prerequisite: Metals Technology

DESCRIPTION: This class is designed to educate students to become advanced machinists/metal workers. The units of study highly emphasized include: wire feed welding, milling and machining parts and lathe operations. Individual and group projects including utility and snowmobile trailer construction will be incorporated throughout this course. Students may also have the opportunity to be involved in job placement within the community. Local industries have needs for advanced metal workers and it is our intention to provide opportunities for students to become part of our School-To-Work program. Discipline and safety are highly emphasized. All students will be given our general and advanced safety instruction program.

### **CONSTRUCTION AND CARPENTRY TRADES - 144**

2.0 Credits - 1 Year Block Scheduled - Elective

Open 11, 12

INSTRUCTOR'S PERMISSION REQUIRED

DESCRIPTION: The course will begin with emphasis on safety and the operation of hand and power tools commonly used for building construction and repair. All students will go through our general and advanced safety instruction program which will include hard hats, safety glasses and protective clothing. The focus of this course will be on the construction, maintenance and repair of a home, shed garage and/or fish house including blueprint reading, building designs, footings, form construction, foundation construction, framing construction, electrical wiring and plumbing. Field trips and visits to vocational schools will also be part of this course. This course is recommended for students with a desire to develop skills required in a construction trade occupation.

### **OFF-CAMPUS WORKSITE - 147**

½ or 1.0 Credit - 1 Semester or Full Year - Elective

Open to Grade 12

Prerequisite: Students must have a job secured outside of school.

INSTRUCTOR'S PERMISSION REQUIRED

DESCRIPTION: Students will have an opportunity to explore career options in an actual working environment at a local business. Other career options will be explored as students complete a career booklet. This course will require a few days of seat based learning; however, most learning will be done on the job.

## **MATHEMATICS**

- **3 Mathematics credits required for graduation**
- **8TH GRADE:** Algebra I
- **9TH GRADE:** Algebra I or Geometry
- **10TH GRADE:** Geometry or Algebra II
- **11TH GRADE:** Algebra II or Basic Algebra; MSt. College Algebra or MSt. College Trigonometry
- **12TH GRADE:** Basic Algebra; MSt. College Algebra or MSt. College Trigonometry or MSt. Intro to Statistics or MSt. College Applied Calculus and Linear Algebra

### **ALGEBRA I - 6**

1 Credit - 1 Year - REQUIRED

Open To: 8, 9 (Graduation Credit awarded in grades 8 & 9)

DESCRIPTION: A basic list of topics to be covered in Algebra I include: an introduction to algebra, working with real numbers, solving equations, polynomials, factoring polynomials, an introduction to functions and systems of linear equations.

### **GEOMETRY - 7**

1 Credit - 1 Year - REQUIRED

Open To: 9, 10

PREREQUISITE: Algebra I

DESCRIPTION: Geometry begins with the study of symbolic logic and sets and is followed by an introduction of Euclidean Geometry and the study of geometric figures and their properties. Units on coordinate geometry, transformations and trigonometry are included. Solid geometry has been integrated with plane geometry throughout the course. Geometry will aid in meeting the needs of those who wish to take other mathematics courses at the advanced level while in high school. It will also aid in fulfilling, in part, the need in mathematics for students contemplating education beyond high school.

### **ALGEBRA II - 8**

1 Credit - 1 Year - REQUIRED

Open To: 10, 11, 12

Prerequisites: Algebra I, Geometry

DESCRIPTION: This course will briefly review and then extend the topics of Algebra I. It is strongly recommended for all students planning to attend college or vocational school. Topics include solving linear and quadratic equations, graphing linear and quadratic functions, working with polynomials, rational expressions, irrational and complex numbers, exponential equations, matrices, probability and statistics, and trigonometric functions.

### **BASIC ALGEBRA - 9**

1 Credit - 1 Year - REQUIRED

Open To: 11, 12

Prerequisites: Algebra I, Geometry

INSTRUCTOR'S PERMISSION REQUIRED

DESCRIPTION: This course is designed for students needing a third credit of high school mathematics for graduation. Topics will include a review of Algebra I and geometry topics as well as an introduction of Algebra II topics.

### **MState COLLEGE ALGEBRA - 11**

½ Credit - 1 Semester Elective

Open to 11, 12

Prerequisites: Geometry, Higher Algebra; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **4 MSt college credits awarded for successful completion. (MATH1114 College Algebra)**

DESCRIPTION: Meets MnTC Goal Areas 2 and 4. This course includes rational, polynomial, exponential, logarithmic, inverse and quadratic functions. The course also includes equations, inequalities, complex numbers and systems of linear equations. Additional topics may include matrices and determinants.

### **MState COLLEGE TRIGONOMETRY - 13**

½ Credit - 1 Semester Elective

Open to 11, 12

Prerequisites: MATH1114 MState College Algebra; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MATH1116 College Trigonometry)**

DESCRIPTION: Meets MnTC Goal Areas 2 and 4. Topics include trigonometric functions, right triangle trigonometry, radian measure and circular functions, identities, equations, inverse functions, laws of cosines and sines. Optional topics may include complex numbers, vectors and polar coordinates.

### **MState INTRO TO STATISTICS - 14**

½ Credit - 1 Semester - Elective

Open to 12

Prerequisites: MATH1114 MState College Algebra; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MATH1213 Intro to Statistics)**

DESCRIPTION: Meets MnTC Goal Areas 2 and 4. Topics include data summary, frequency distributions, plots, graphs, measures of central tendency, variation, probabilities, probability distributions and confidence intervals. Hypothesis testing of means, proportions and variances will be conducted using the z-test, t-test, chi square test, f-test and ANOVA.

### **MState APPLIED CALCULUS and LINEAR ALGEBRA - 15**

½ Credit - 1 Semester - Elective

Open to 12

Prerequisites: MATH1114 MState College Algebra; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MATH1213 Intro to Statistics)**

DESCRIPTION: Meets MnTC Goal Areas 2 and 4. This course is an introduction to optimization, the simplex method, differential and integral calculus with an emphasis on application in the area of business and the life and social sciences. This course is intended for all liberal arts and science students but is highly recommended for students pursuing business careers.

## **MUSIC**

### **VARSIITY BAND - 208**

1 Credit - 1 Year - Elective

Open To: 9, 10

Prerequisites: Successful completion of 8th grade band, or by approval of instructor and audition

DESCRIPTION: To become a member of the Varsity Band, each student must audition in the early spring. Auditions will include performance of scales, a prepared etude and sight reading. The Varsity Band is intended for students developing their skills in music. The varsity band will perform at least four concerts during the year, and students will have the opportunity to perform activities such as Solo & Ensemble contest, Large Group contest and Jazz Band. The Varsity Band will combine with the Concert Band to perform at school events such as parades and athletic events.

### **CONCERT BAND - 211**

1 Credit - 1 Year - Elective

Open To: 11, 12

Prerequisites: Successful completion of 8th grade band, or by approval of instructor and audition

DESCRIPTION: The Concert Band will have the same basic entrance requirements as the Varsity Band. However, the Concert Band will be intended for students with more advanced skills in music. The

Concert Band will perform at least four concerts during the year, and students will have the opportunity to perform activities such as Solo and Ensemble contest, Large Group contest and Jazz Band. The Concert Band will combine with the Varsity Band to perform at school events such as parades and athletic events.

**SUMMER MARCHING BAND** - Band students in grades 9-12 have the opportunity to participate in our Summer Marching Band Program. The Marching Band performs in numerous parades throughout the state and plans a large trip every third year.

### **CONCERT CHOIR - 210**

1 Credit - 1 Year - Elective

Open To: 9, 10, 11, 12

Prerequisites: Successful completion of 8th grade choir, or by approval of instructor and audition

DESCRIPTION: The Concert Choir performs a minimum of three concerts throughout the course of the year. Students also have the opportunity to audition for the musical in the fall, perform at the Large Group contest in March and perform at the Solo and Ensemble contest in the spring. Incorporated into the curriculum are a variety of musical aspects including music theory, sight singing, note recognition and the healthy mechanics of vocal production.

## **PHYSICAL EDUCATION & HEALTH**

### **PHYSICAL EDUCATION/HEALTH 9/10 - 225**

½ Credit - 1 Semester - REQUIRED

Grades 9 & 10

DESCRIPTION: This class will include issues that promote lifelong wellness. I will include the promotion of a positive self-image that directs one to avoid health problems such as drugs, alcohol and smoking. Developing positive assets and encouraging healthy lifestyles is one of the goals of this class. This curriculum will also include the basis for understanding what you need to develop proper nutritional habits and a proper fitness program. Basic first aid knowledge and skills will also be presented. Included in this class will be many informative units that will encourage students to reduce risky behaviors and encourage a healthier lifestyle. The units covered in this semester course will include emotions and managing stress, death and dying, reproduction and heredity, infectious diseases such as STIs and pregnancy prevention. Students will be encouraged to continue lifelong fitness throughout this course by applying cardiovascular and nutritional information.

### **PERSONAL FITNESS I - 227**

½ Credit - 1 Semester - Elective

Grades 9, 10, 11, 12

- **It is recommended that students have a current physical before beginning this course.**
- Upon INSTRUCTOR APPROVAL a second semester of this course may be taken as a senior.

DESCRIPTION: This semester course is designed to introduce the student to all areas of fitness training. Endurance, strength and power, flexibility, health-related issues, body composition, anthropometry as well as agility and reaction time will be measured. Students will develop skills so they will be able to plan and implement personal fitness programs designed to meet their individual needs. Students will complete a series of labs, calculate and compile their specific data, and present it in a conditioning paper. This class requires a student to take physical fitness tests and to participate in a conditioning exercise program. The evaluation process requires the individual to participate in the selection of

characteristics to be measured, select suitable methods of measuring, collect and analyze data and make decisions on how to implement a fitness program. The results from tests can be used to predict future performance, indicate weaknesses, measure improvement, enable the individual to assess the success of his or her training program and motivate the individual. It also teaches the individual activities to use to break up and add variety to their training program. This course is for anyone.

### **SENIOR HIGH PHY. ED. I - 228**

½ Credit - 1 Semester - Elective

Grades 9, 10, 11, 12

DESCRIPTION: If you are looking for activity, this is the class for you. In Sr. High PE I you will be exposed to a variety of recreational activities that you may participate in for the rest of your life. Activities may include archery, flag football, frisbee golf, golf, bowling, tennis, basketball, broomball, bocce ball, skating and table tennis.

## **SCIENCE**

### **PHYSICAL SCIENCE 9 - 27**

1 Credit - 1 Year - REQUIRED

GRADE 9

DESCRIPTION: Physical Science 9 is an introduction to chemistry and physics. The first semester deals with chemistry. Students learn topics such as matter and its composition, the periodic table, chemical bonding, chemical reactions, solutions, acids and bases. The student will also learn lab techniques and participate in many lab situations. The second semester deals with physics. Topics include motion, velocity, acceleration, forces, simple machines and energy. Students will continue to perform lab activities and learn how to use dimensional analysis to solve problems.

### **BIOLOGY 10 - 28**

1 Credit - 1 Year - REQUIRED

GRADE 10

DESCRIPTION: Students in Biology will study biological concepts, theories and principles including cell theory, mechanisms of heredity, biological change over time, the interdependence of organisms, material cycles and energy flow in living systems, the behavior of organisms and the historical significance of major scientific advances through the investigation and analysis of cells, organisms and ecosystems. Hands-on activities include dissection of the fetal pig, microscope work, computer simulation programs and argument-drive inquiry investigations.

### **WESTERN MINNESOTA GEOLOGY - 29**

½ Credit - 1 Semester - Elective

Grades 9, 10, 11, 12

DESCRIPTION: This course is for students interested in learning about the processes responsible for shaping our planet and western Minnesota. Students will explore these processes while embarking on geological studies and field trips to various state parks including Sibley State Park to explore glacier activity, Pipestone area to see how Native Americans used the geology of the area and a trip to the quarries near Ortonville to see how the rock is taken out of the ground and processes for building materials.

### **OUTDOOR SCIENCE - 30**

½ Credit - 1 Semester - Elective

Grades 9, 10, 11, 12

DESCRIPTION: Outdoor Science will focus on the Chippewa River Watershed Area and our local environment with an emphasis on hunting, fishing, trapping and land use. We will work with local, state and federal agencies on the Chippewa River Watershed Project. This class will be project based and rely on field trips and local experts.

- **The BHS graduation standard of a third full year science course must be met with one of these courses: Chemistry, Physics or MSt. Fundamentals of Chemistry**

### **PHYSICS - 32**

1 Credit - 1 Year - One of the 3rd year REQUIRED options

Open To: 11,12

DESCRIPTION: The first semester deals with an analysis of motion and the laws that govern motion and energy (kinetic and potential). All of these will be put to actual practice in the laboratory. Second semester will deal with the physical concepts of waves such as light and sound and their applications. A great many of these will be actually observed in the laboratory using simple equipment. This is a basic course in physics appropriate for anyone, especially if they plan to continue their education.

### **CHEMISTRY - 34**

1 Credit - 1 Year - One of the 3rd year REQUIRED options

Open To: 11,12

DESCRIPTION: The first semester of Chemistry is an introduction to the science of chemistry. Chemistry deals with the how, what and why of the behavior of the substances found in nature. Chemistry, like most sciences, is best understood by actual observation in the laboratory. Topics covered are measurement, gases, atomic structure, use of the periodic table and how chemicals unite. Second semester work puts the ideas and concepts developed in the first semester into actual practice. For this reason it relies heavily on work in the laboratory so that changes in matter can be observed. This chemistry course completes basic high school chemistry. Topics covered in the second semester may include solutions, rates of chemical reactions and what affects them, acids and gases.

### **MState FUNDAMENTALS of CHEMISTRY - 35 - ONLINE ONLY**

½ Credit - 1 Semester - Elective

Open to 11, 12

Prerequisites: Adequate background in mathematics and physical science; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (CHEM1100 Fundamental Concepts in Chemistry)**

DESCRIPTION: This course deals with substances, their structures and properties, the changes they undergo and the laws that govern those changes.

### **ATCC INTRO TO BIOLOGY I - 37 - ZERO HOUR**

½ Credit - 1 Semester

Open to 10, 11, 12

Prerequisites: Adequate background in mathematics and physical science; Qualifying score on the ACCUPLACER test and 3.2 GPA (10th/11th grade) 2.8 GPA (12th grade)

- **4 ATCC college credits awarded for successful completion. (BIOL1410 Introduction to Biology I)**

DESCRIPTION: This course meets Minnesota Transfer Curriculum (MnTC) goal area 3. This course includes an understanding and evaluation of the scientific method, an understanding of body nourishment and the body's ability to transform nourishment into energy and an evaluation of fat intake. Units of study include the science of genetics (including DNA structure), replication and gene expression. The course also investigates the genetic relationship to cancer and genetically modified organisms. Units of study investigate the evidence for evolution and natural selection.

### **ATCC INTRO TO BIOLOGY II - 38 - ZERO HOUR**

½ Credit - 1 Semester

Open to 10, 11, 12

Prerequisites: Adequate background in mathematics and physical science; Qualifying score on the ACCUPLACER test and 3.2 GPA (10th/11th grade) 2.8 GPA (12th grade)

- **4 ATCC college credits awarded for successful completion. (BIOL1411 Introduction to Biology II)**

DESCRIPTION: This course meets Minnesota Transfer Curriculum (MnTC) goal area 3 and 10. This course provides the learner with many principles and theories of biology. It includes an investigation in the biodiversity, classification, species and populations of life. Addressed in this course are the fundamentals in human health and disease, ecology, conservation, biodiversity and growth rate changes of humans and plants. Knowledge of basic genetics is suggested.

### **ANATOMY AND PHYSIOLOGY I & II - 39/40**

½ Credit - 1 Semester - Elective

Grades 11, 12

- Independent semester courses; do not need to be taken in the same year or in consecutive order.

DESCRIPTION: This course is designed to help prepare students for college, especially in the area of medicine, medical technology, nursing, health, physical education, dietary professions and veterinary science. On a regular basis professionals from the area will be brought in to speak about their careers, and trips will be taken to these businesses when data privacy is not an issue. Primary emphasis is on the anatomy and physiology of the human body. The lab portion of the course is designed to expose students to the anatomy of other animals such as the cat and pig, and compare them to human anatomy.

### **MRVED ONLINE COURSE:**

#### **BIOMECHANICS**

½ credit - Semester 1 or 2 - Elective

Open to 11, 12

Prerequisite: Computer and email skills; familiar with PowerPoint, Word and Excel helpful.

Instructor: Justin Wager - Dawson-Boyd High School

DESCRIPTION: The biomechanics class is for students interested in learning about how the human body is able to move and generate force. Students will learn about how muscles and bones in the human body work together to perform everyday tasks. The class will also be able to demonstrate ways athletic performance can be enhanced using the information covered during the class. Students will learn about the physics concepts and equations used to calculate velocity,

acceleration, force and power. Students will show their knowledge of the topics by completing various assignments, taking quizzes and creating demonstration videos that will be posted online.

### **MEDICAL BIOLOGY**

½ credit - Semester 2 - Elective

Open to 11, 12

Instructor: Mary Haberman - MN Valley ALC

DESCRIPTION: This course is designed for students planning to pursue a career in the medical field. Students will be looking at the anatomy and physiology of human body systems, common disorders for each system and testing/treatment procedure for those disorders. Body systems include the skin, glands, stomach/intestines, lungs/heart, kidneys, eyes, muscles/skeleton, brain/mental health and immune system. Students will complete a number of projects to demonstrate understanding (including but not limited to note cards, presentations, personal interviews and artwork). We will be using the NCLEX practical nursing exam as the framework for the course.

## **SOCIAL STUDIES**

### **SOCIAL SCIENCE - CIVICS 9 - 76**

1 Credit - 1 Year - REQUIRED

GRADE 9

DESCRIPTION: Civics 9 examines the political, economic and social responsibilities that are necessary to becoming a functioning citizen in our society. This course will cover the U.S. Constitution and Bill of Rights with the focus being on how government functions from the local to the national level and on individual rights and freedoms. The following resources will be used with each unit: Understanding Civics, Civics Challenge, Applying Citizenship Skills and Critical Thinking. The student will understand the purpose of government, how representative government emerged from the colonies, what led to the Articles of Confederation, popular sovereignty, the purpose of the first ten amendments to the Constitution, citizen's responsibilities within a democracy, the two-party system, how political parties are organized, voting, nominating and campaigning, what role public opinion and interest groups play, how Congress functions, executive branch qualifications and duties, the organization and jurisdiction of our court system, how local government functions, our civil and criminal law system and how the American economic system works.

### **UNITED STATES HISTORY 10 - 77**

1 Credit - 1 Year - REQUIRED

GRADE 10

DESCRIPTION: This course will cover U.S. History from 1900 - present. Topics covered will include, but are not limited to, expansion in Latin America, the Spanish-American War, World War I, the Roaring Twenties, the Great Depression, World War II, the Holocaust, the Cold War, Communism, the Korean Conflict, the Civil Rights Movement, the Vietnam Conflict, Watergate, the hostage crisis in Iran, the Falklands, the Iran-contra Affair, the Persian Gulf War and recent presidential administrations. Students will be able to see how the events and developments of the nation's past have come to influence its present and will influence its future.

### **WORLD HISTORY/GEOGRAPHY 11 - 78**

1 Credit - 1 Year - REQUIRED

GRADE 11

DESCRIPTION: In this course, students will study the people of the world, the societies that they form and how both people and society are influenced by geography. The class will focus on the comparison of one culture to another from the basic aspects of daily life to the belief structures that govern how people view the world. The students will gain an appreciation for their own culture and society, the similarities that draw people together and the differences that keep them apart.

- **ECONOMICS IS REQUIRED FOR GRADE 12** (May choose high school or college level)

### **ECONOMICS 12 - 79**

½ Credit - 1 Semester

GRADE 12

DESCRIPTION: This course provides an in-depth look at how society as well as an individual chooses from unlimited wants and needs while having only limited resources. Practical application of economic principles and concepts will be offered along with how the government affects the economy.

### **MState MACROECONOMICS - 80**

½ Credit - 1 Semester - Elective

Open to 11, 12

Prerequisites: Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (ECON2210 Macroeconomics)**

DESCRIPTION: This course provides the student with a means to study economic principles as they relate to determinants of national income, national income accounting, business cycles, unemployment, inflation and aggregate expenditures. The course also examines macroeconomic policy and provides information to gain further understanding in the areas of fiscal policy, financial markets, money and banking, monetary policy, international policy and the varying viewpoints that have evolved throughout history including the Keynesian and Monetarist schools of thought among others. *This course will rotate every other year with MSt Microeconomics.*

### **THE HOLOCAUST - 82**

½ Credit - 1 Semester - Elective

Open To 11, 12

DESCRIPTION: The Holocaust is regarded by many as one of humanity's darkest hours. This course provides an in-depth look at the Holocaust, Hitler's attempt to exterminate the Jews from Europe in the late 1930's and early 1940's. Topics covered will include, but are not limited to, a history of anti-Semitism, the SS, concentration camps, death camps, Hitler's euthanasia program (T-4), The Third Reich and liberation. Accounts of survivors will also be studied.

### **POP CULTURE - 84**

½ Credit - 1 Semester - Elective

Open To 11, 12

DESCRIPTION: This course is designed to introduce you to a variety of approaches in the study of pop culture. The overall objective is to explore how popular culture, in all its various forms, is reflected in the world around us, but also how it influences the way we perceive the world. This is not to glorify any one element but to investigate what makes it pop culture. Every day we are exposed to thousands of images, sounds and experiences. We will examine a wide range of subjects like sports

and superheroes, fads and fashions, film and music among other genres, so we can better understand how contemporary American culture shapes our lives. Our emphasis will be on 21st century skills and standards developing critical thinking, communication, collaboration and creativity skills.

### **MState HUMAN INTERACTION/PSYCHOLOGY - 86**

½ Credit - 1 Semester - Elective

Open to 11, 12

Prerequisites: General Psychology recommended, but not required; Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MSt. PSY1101 Human Interaction)**

DESCRIPTION: This course provides an in-depth study of the major concepts of Psychology which may include the following topics: human behavior, stress and coping processes, self-concept, cognition, social influence including prejudice, conformity and persuasion, verbal and non-verbal communication, friendship, romance, marriage relationships and issues related to career and job satisfaction.

### **MState INTRO TO SOCIOLOGY - 87**

½ Credit - 1 Semester - Elective

Open to 11, 12

Prerequisites: Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MSt. SOC1111 Intro to Sociology)**

DESCRIPTION: Sociology is the science that studies human society and social behavior. This course will present an opportunity for students to look at various facets of society through a sociologist's perspective. A solid background and history of Sociology will be presented. A wide variety of topics will include cross-cultural studies, American values, social deviance, adolescent behavior, race and ethnic relations, prejudice and discrimination, gender and age, religion, education, family and athletics.

### **MState GENERAL PSYCHOLOGY - 88**

½ Credit - 1 Semester - Elective

Open to 11, 12

Prerequisites: Intro to Psychology advised, but not required. Qualifying score on the ACCUPLACER test and 3.2 GPA (11th grade) 2.8 GPA (12th grade)

- **3 MSt college credits awarded for successful completion. (MSt. PSY 1200 General Psychology)**

DESCRIPTION: The following topics are covered in order to give interested students additional information regarding psychology: research in psychology, biological aspects of psychology, sensation, perception, learning, memory, cognition and language, consciousness, cognitive abilities, motivation and emotion, human development, health, stress and coping, personality, treatment of psychological disorders, social cognition and social influence.

### **RESTORATIVE JUSTICE - 231**

½ Credit - 1 Semester - Elective

Open To 9, 10, 11, 12

Prerequisite: Instructor approval is required

DESCRIPTION: The goal of this course is to work with students (both victims and the accused) to come to a solution for an incident or issue, impose fair punishment, foster understanding and adjust student behavior.

## **WORLD LANGUAGES**

### **SPANISH I - 96**

1 Credit - Full Year - Elective

Open To 9, 10, 11, 12

Prerequisites: The understanding that in order to fully succeed in any language you must enter it with an open mind and the willingness to learn. A basic knowledge of grammar is also recommended.

DESCRIPTION: An integrated approach to the language and culture of Spanish speaking peoples. Focuses on language as well as aspects of culture such as customs, traditions and pastimes of Spanish America and Spain. Emphasis is on active participation in rudimentary conversation, listening and writing. Students will be actively involved in the language by means of cooperation in a wide variety of activities.

### **SPANISH II - 97**

1 Credit - Full Year - Elective

Open To 9, 10, 11, 12

Prerequisites: Spanish I

DESCRIPTION: A continuation of the introduction to the Spanish language and culture of Spanish America. The emphasis will remain on full, active participation in speaking, listening and writing activities. Second year students will frequently rely on their language skills to create and demonstrate short dialogue and conversations.

### **MRVED ONLINE COURSE:**

### **SPANISH III**

1 credit - Full Year - Elective

Open to 11, 12

Prerequisite: Successful completion of Spanish I & II

Instructor: Phil Lalim - Lakeview High School

DESCRIPTION: Topics will include a variety of Spanish vocabulary, cultural events and celebrations. Students will learn through online activities, online lessons, online discussion and online videos. Assessments include student journals, daily work, quizzes, speaking activities using Google voice, tests and activities. Useful skills for the class: familiarity with PowerPoint, Prezi or anything similar to that, and the ability to type with Spanish punctuation (accents, upside down question marks and exclamation points, etc.).

### **COLLEGE SPANISH 201**

½ credit - Semester I - Elective

Open to 11, 12

Prerequisite: Successful completion of Spanish I & II

Instructor: Miranda Gravley - Minneota High School

DESCRIPTION: Students should be able to converse in uncomplicated, straightforward social situations including exchanges involving physical and social needs, food, shopping, travel, family, home, etc. There may be errors and pauses in their speech, but at this level students should be able to circumvent inaccuracies and self-correct. At this level, students will begin to move from simple

transactions to periods of sustained conversation. Students should be able to write simple messages and requests for information, and, in general, express meaning through vocabulary and basic structures that is comprehensible to those accustomed to the writing of non-native speakers of Spanish. The themes and vocabulary in the course outline are exemplary of issues in the Spanish-speaking world. Formative assessment will take a variety of formats. In addition to developing skills for communicative competence, students of Spanish will begin to be able to comprehend and interpret a variety of global perspectives for the Hispanic world.

**COLLEGE SPANISH 202**

½ credit - Semester II - Elective

Open to 11, 12

Prerequisite: Successful completion of College Spanish 201

Instructor: Miranda Gravley - Minneota High School

DESCRIPTION: Students should be able to converse in uncomplicated, straightforward social situations including exchanges involving physical and social needs, food, shopping, travel, family, home, etc. There may be errors and pauses in their speech, but at this level students should be able to circumvent inaccuracies and self-correct and should be able to maintain an extended conversation rather than a simple transaction. Students should be able to write to create meaning rather than simply relay and request information, and, in general, express meaning through vocabulary and basic structures that is comprehensible to those accustomed to the writing of non-native speakers of Spanish. The themes and vocabulary in the course outline are exemplary of issues in the Spanish-speaking world. Formative assessment will take a variety of formats. In addition to developing skills for communicative competence, students of Spanish will begin to be able to comprehend and interpret a variety of global perspectives for the Hispanic world.