

2015-2016 Registration Guide

CEDAR MOUNTAIN HIGH SCHOOL

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The purpose of this registration guide is to help you in the selection of your senior high subjects. Please study the material thoroughly and acquaint yourself with the description of the courses offered, the prerequisites for the courses you select, the courses that are required, and the semester during which the courses will be offered. If unsure if a class is right for you, contact Mr. Palokangas and/or the teacher who teaches this subject.

Graduation should be an important goal of every student. Besides meeting the requirements for graduation, you should choose subjects that have a purpose and direction for you. Choose the subjects that will enable you to do what you want to do. For some of you, high school will be the last opportunity to receive any formal training. For others of you, your high school education will serve as a basis for future educational opportunities.

In your planning, keep in mind the following:

- ❖ Your Post-High School Plans
- ❖ College Entrance Requirements
- ❖ PSEO (Post Secondary Enrollment Options Act- if eligible you can enroll as an 11th or 12 grade student.) You must register with Mr. Palokangas.

This booklet does not intend to answer all questions about each course. Your teachers, counselor, or the principal are willing to answer further questions to help you in your decisions. Please discuss the content of this booklet with your parents. We hope your parents will make use of this opportunity to ask questions that they may have regarding scheduling and the high school program.

Cedar Mountain offers a variety of career, technical, and vocational opportunities through Family and Consumer Science and Agriculture Education. This is to notify students, parents, employees, and the general public that these opportunities are offered regardless of race, color, national origin, sex, or disability. Admission in some courses is determined by grade level.
Title IX Coordinator: Robert Tews; 504 Coordinator; Preston Palokangas; 310 Somerville Ave., Morgan, MN 56266, 507-249-5990.

Cedar Mountain High School Graduation Requirements

NOTE: No matter how many credits you attain, you always remain a member of the graduating class with which you start your high school career. 1] As a result, the graduation standards which apply to your graduating class always remain in effect until you successfully earn all requirements and are issued a diploma. 2] **Late graduates cannot** participate in a commencement exercise after their own commencement.

1. A whole credit is granted for successful completion of a year's worth of study. Partial credit is granted for the portion of the year that is completed during instruction.
2. Twenty-eight (28) total credits in grades 9-12 are required for graduation from Cedar Mountain High School. There are 16.5 credits required. They include:

English	4 credits	Social Studies	4 credits required
Mathematics	3 credits	Health	.5 credit
Science	3 credits	Fine Arts	1 credit
Physical Ed	1 credit		

The additional 11.5 credits may be selected from any of the available senior high courses.

- **All students must complete all of Minnesota's standards.** All standards have been placed in courses and are embedded into those courses. If a student passes the course, they will pass the standard.

Post-Secondary Enrollment Options Program (PSEO):

Junior Students in the top 1/3 of their graduation class OR Seniors in the top 1/2 of their graduation class are eligible to attend a post-secondary institution while earning high school graduation credits. This is an application process, and interested individuals should consult with the high school Dean of Students. Cedar Mountain also has Online College in the High School courses available to interested students that desire to take 1-2 college courses while still in high school.

Cedar Mountain Testing Requirements (2015-16)

Current Seniors (2016)	Current 11 th Grade and younger
Took the grade 11 ACT plus Writing during the statewide administration in 2014–2015 to meet requirements in writing, reading, and mathematics. If unable to participate in the grade 11 ACT Plus	Be provided the opportunity to participate in a district-provided college entrance exam in grade 11 or grade 12

<p>Writing statewide administration or receive a valid score in each subject, meet the graduation assessment requirements in each subject through any combination of the options.</p>	
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AGRICULTURE EDUCATION

Ag 9 (required)

Grade 9

This semester-long course is an introductory course for 9th graders looking to develop themselves as leaders as well as learn more about agriculture. The broad focus of this class will continue from topics covered in Ag 7 and Ag 8 to allow students to explore numerous areas of agriculture including but not limited to soil science, agricultural mechanics and experiential learning. Students will be expected to complete a leadership and experiential learning project for the class, incorporating both with content presented in class.

Woods

Grades 10-12

This semester-long course for 10-12th graders is designed to be taken in series with Welding and Agriculture Mechanics to provide you the student with a basic, well-rounded agriculture mechanics education. Topics include (but aren't limited to): Shop safety, use of common wood-working tools, drafting and construction. Each student will be responsible for identifying, drafting and building a final woodworking project.

Wildlife Management

Grades 10-12

Looking to get involved beyond traditional production agriculture? If so, this course may be for you! This semester-long course for 10-12th graders is designed to give the student a basic understanding of wildlife science and management. Topics include (but aren't limited to): fisheries science and management, recreation development management, hunting and trapping management and wildlife science and management careers. This course is meant to provide students with a starting point from which to pursue a future career or to begin a lifetime of outdoor recreation.

School to Work

Grade 12

This semester-long course is for senior students who have a career objective in mind or who want to explore aspects of a potential career. The course will require independent study on the part of the student. Students should have ideas for a partner professional when registering for this class who will support the student in completion of all course objectives and career exploration. Each student will be required to complete a resume, cover letter, weekly work site journaling and other requirements as assigned. Students must be seniors, have a good academic record and must be able to drive to the locations they are placed at. Students are limited to 1 semester of School to Work.

Animal Science

Grades 10-12

Looking to get a basic understanding of animal science and how it affects you? If so, this course is for you! This semester-long course for 10-12th graders will provide you with an understanding of animal science and management with a production agriculture emphasis. Topics include (but aren't limited to): animal nutrition, genetics, animals in the agricultural industry and species-specific units.

Welding

Grades 10-12

This semester-long course for 10-12th graders is designed to be taken in series with Woods and Agriculture Mechanics to provide you the student with a basic, well-rounded agriculture mechanics education. Topics include (but aren't limited to): shop safety, use of common welding tools and techniques, drafting and construction. Each student will be responsible for identifying, drafting and building a final welding project.

Ag Mechanics

Grades 10-12

Do you have a particular interest in welding, electrical wiring or engine maintenance and repair? If so, this class is for you! Open to students in 11th and 12th grade, this course is student driven and will focus on one or more of the following areas (based on class interest): welding, electrical wiring or engine maintenance. This course will be primarily project based and driven based on student interest.

Home Repairs

Grades 10-12

This semester-long course for 10th-12th graders is designed to provide you with the skills needed to maintain and repair homes and other personal assets. Students will demonstrate learning through a series of practical hands-on topics. Topics covered include (but aren't limited to): basic plumbing, drywall, basic car maintenance, wiring, and other handy-man type topics.

ART

Visual Arts 9 (Required)

Grade 9

The 9th grade program focuses on three major areas of visual learning: ways of recording visual information; assembling images that have meaning; and responding to visual images. This course will cover a wide range of basic art theory and media. Students will explore color, composition, design, drawing, sculpture and painting as related to major artists and movements in history. Student projects will demonstrate knowledge of the art elements and principles of design. Students media includes pencil, pen & ink, markers, acrylic paint, watercolor, color pencil, oil pastels, charcoal, scratchboard, paper Mache' and clay. A digital portfolio will record of the concepts and skills a student demonstrates through effort and achievement. This course will examine art history, styles and technology to manipulate images.

Visual Arts II (Prerequisite Visual Arts 9)

Grades 10-12

This will be a continuation of the skills learned during Art 9, and an expansion of a student's art interests. Students will be working with a variety of mediums, to create both 2D and 3D projects.

Two Dimensional Art Drawing, Painting, and Printing

Grades 10-12

The curriculum includes creative and critical thinking approach to drawing, painting, and printing. Students will have the chance to work with drawing mediums, such as pencil and charcoal, painting mediums of acrylic, gouache, and oil bar, and printing from carved blocks. All problems will include analysis and interpretation of self-work, as well as a look at artists in time.

Three Dimensional Art Sculpture and Ceramics

Grades 10-12

Students will be exposed to creative and critical thinking approach to sculpture and ceramics. Students will use such mediums as wire, found object assemblage, fiber, clay, and handmade paper. Ceramics will include clay sculpture in a decorative manner and pottery in a functional manner. All work will include analysis and interpretation of self-work as well as a look at artists throughout time. There is a \$15 course fee.

Graphic Arts

Grades 10-12

Students will explore computer assisted layout and design, desktop publishing, image carriers, printing

processes, finishing and digital media. Student projects include brochures, posters, ads, newsletter, business cards, letterhead, T-shirts & bumper stickers. Evaluation is project based. Students will explore multiple color reproduction through screen printing. A field trip to a college and graphic arts printing facility are optional.

Print & Bookmaking (*Formerly Print & Bindery*)

Grades 10-12

This course provides an introduction to printmaking, finishing and bookmaking techniques. The projects will include the visual design principles and elements of art to the process of creating a variety of traditional and digital printmaking media. Students will create a personal visual journal. This course will include a portfolio, keepsake box, and panel display. Techniques will be covered such as printmaking, assembly, and finishing. Students will communicate ideas through realistic and/or abstract prints.

Traditional & Digital Photography

Grades 10-12

This course offers an introduction to the history of photography. Students will explore the camera, the enlarger, and developing. The course will cover photographic techniques, lighting, and the reproduction of images through traditional and digital photography. Student photography projects will demonstrate knowledge of the elements of art and principles of visual design. This course will examine major photographers, styles and technology to manipulate images. Projects will demonstrate knowledge of lighting, filters, re-touching, color and image manipulation. Photoshop and online apps will be used for student projects.

BUSINESS

Accounting

Grades 10-12

Accounting is the “language of business.” Accounting can help you keep track of money for business and personal use. This course offers a complete study of the basic accounting process used throughout the accounting cycle. Among the topics presented are journal entries, posting to ledger, adjusting and closing entries, and payroll.

Personal Finance

Grades 10-12

This course gives students a consistent framework for thinking through financial choices in order to improve their well-being. Decisions require action. Students who take charge of their finances are better prepared to invest in themselves and cope with the financial ups and downs that life will bring. Among the topics presented are paycheck deductions, taxes, banking, financial statements, saving and investing, credit basics, and budgeting.

ENGLISH

English 9 (required)

Grade 9

This class consists of grammar, usage, mechanics, composition, and literature. Journal writing and five-paragraph compositions are done throughout the semester as a means to practice writing skills. Grammar, usage and mechanics exercises are practiced to improve writing skills. There are bi-weekly vocabulary packets and tests from Vocabulary for Achievement series. Literature comes in a variety of forms. There are units in short stories, poetry, and nonfiction from the literature anthology. The novel Lord of the Flies and the drama Romeo and Juliet will also be studied. There is also a strong emphasis on independent reading both in and out of class.

English 10 (required)

Grade 10

The purpose of this course is to discover new approaches to reading and writing that spark the imagination. Students will read a variety of novels, plays, and other short stories including To Kill a Mockingbird, and And Then There was None. This class focuses on working in groups, improving writing skills, and reading in-depth material. There will be a strong emphasis on writing through journals and essays. Students will also write and perform in a dramatic skit.

American Literature (required)

Grade 11/12

American Literature will focus on reading short stories, poems, and novels from America. Novels that will be read in this class include The Great Gatsby and Of Mice and Men. There will be a strong emphasis on research writing.

College Speech 1 Credit

Grade 12

Fundamentals of Speaking and Listening is a three credit class offered through SMSU. This course is an introduction to public speaking. The specific required speeches are Extemporaneous,

Group Informative, Persuasion and Impromptu. Speech is designed for students who desire to improve their speech efficiency, poise and self-confidence in public speaking situations.

English 151: Academic Writing (College) 1 Credit

Grade 12

College Writing is a four-credit college class offered through SMSU. Students will write five papers for the class: Explain a Concept, Presenting Opposing Viewpoints, Research Argument, Annotated Bibliography, and a Reflective Narrative. Daily work for the class includes readings, peer review, and small writing samples.

FAMILY AND CONSUMER SCIENCES (FACS)

Foods 1

Grades 10-12

Do you love watching the food network? Take Foods class and who knows maybe you will be Cedar Mountain's next food network star! Or maybe you'll learn survival skills for your future! This class is all about learning to cook. The basics have been covered in other FACS classes. Now it's time to broaden your cooking skills. We follow the food groups but take it to a new level to expand your cooking horizons!

Interior Design

Grades 10-12

Do you like to watch the show "Trading Spaces"? Here's a chance to explore your creative side by designing your dream home. This class is internet driven. Research includes decorating topics such as color, elements and principals of design, accessories, feng shui, and housing. The bulk of this class will be spent choosing your dream home and designing each room on the internet.

Quilting

Grades 10-12

The latest sewing craze today is quilting. In this class you can construct and design a quilt to fit your unique personal style. We will sew every day after a short introduction covering basic sewing techniques. Join us for fellowship and quilting!! Supplies will be purchased for your quilt on a class field trip to JoAnn Fabrics and Gathering Friends quilt shop.

Foods 2

Grades 10-12

Foods 2 class is designed to explore culinary arts techniques in depth. Some of the topics covered include careers, food art, desserts with plating design, cake decorating, soups/sauces, knife skills, hors d'oeuvres, gourmet cooking, and ethnic cooking. Foods 2 takes Foods 1 class a notch up in the techniques learned.

MATHEMATICS

Geometry (required)

Grade 9

This course is designed for students who have completed Algebra I. Study of the relationships between points and lines will be the main emphasis. Special focus will be on logic and sound mathematical thinking, which is applied through geometric proofs. Objectives of this course include: 1) develop a working knowledge of the geometric principles, 2) provide a strong basis of future mathematics, and 3) develop sound reasoning ability.

Algebra II (Prerequisite: Geometry)

Grade 10/11

This course focuses on algebraic skills with some statistical and trigonometric problem solving as well. Students will apply algebraic reasoning to real world problems and use linear, periodic, exponential, cubic, logarithmic, and power functions. Students will learn to simplify algebraic expressions and use the quadratic formula.

Consumer Math

Grade 10-12

This course is designed for those students who find math difficult, but would like some practical math background. The areas of study will include: money and banking, distribution, investments, personal finance, and special applications of business math. You will receive a math credit for graduation. However, if you are college-bound, this course will not meet most college admissions standards.

Pre-Calculus/Calculus (Prerequisite: Algebra II)

Grade 11/12

This advanced class prepares students for calculus and discrete math needed in computer science. It includes continual work with manipulative algebra, mathematical thinking, introduction to analysis of functions, use of limits, derivatives, analytical geometry, properties of integers, graph theory and more. Logic and problem solving is a theme throughout this course.

College Algebra (Prerequisite: Pre-Calculus)

Grade 12

This course will explore the following concepts of Algebra: complex and imaginary numbers, polynomials, linear equations and functions. Specific functions include linear, quadratic, exponential,

and logarithmic. Students receive 3 college credits from Southwest Minnesota State University for successful completion of the course. **Students must have a B average and be in the top half of their graduating class.**

MUSIC

High School Band

Grades 9-12

The HS Band is open to all 9-12 grade students who enjoy playing a musical instrument. Several performances will be expected throughout the year, as well as the opportunity to take instrumental lessons during the school day. Prior band experience is helpful, but not necessary. Lessons required for beginning students. Instrument and materials provided by the student; limited school instruments available to rent.

High School Choir

Grades 9-12

The HS Choir is comprised of students in grades 9-12 who are willing to share their vocal talents. Several performances will be expected throughout the year, as well as the opportunity to take voice lessons during the school day. Prior choral experience is helpful, but not necessary.

Guitar

Grades 10-12

The Guitar Class is open to all 9-12 grade students who are interested in learning how to play the guitar. Instrument rental fee required for class (\$40) if renting a school-owned guitar, and any damages to class materials will be assessed upon return. Six string guitars accepted, see instructor for assistance before purchasing or obtaining a guitar for class. Prior music experience is helpful, but not necessary.

PHYSICAL EDUCATION / HEALTH

Physical Education 9 (.5 credit) Required

Grade 9

Physical education includes the learning and development of basic skills and rules needed for participation in many individual and team sports.

Physical Education 10 (.5 credit) Required

Grade 10

This class is a continuation of the learning and development achieved in Physical Education 9.

Health 9 (.5 credit) Required

Grade 9

Health deals with gaining a sound understanding of mental and physical health practices, problems, prevention, and occupations.

Lifetime Fitness

Grades 10-12

This course is designed for the student who is interested in weight training. The course will combine various elements of strength training. As well as focusing on proper form and technique. Each student will have the opportunity to record and chart their workouts. Every other Friday will be a cardio day. Students will participate in an activity that will work their cardiovascular system.

Team Sports (Prerequisite: Successful completion of PE 10)

Grades 10-12

This course is designed for the student who is interested in a competitive experience, as well as having a desire to improve individual skills and fundamentals. The essentials of rules and strategies will be highlighted. Students will be placed on teams and in competitive situations. Students must be ready to compete at high level.

A variety of exercise and condition activities will round out the class.

PUBLICATIONS

Yearbook

Grades 9-12

Are you interested in documenting history? In this course, you will help to design, edit, and publish the yearbook. Students will be designing the pages, editing pictures, and ultimately publish the yearbook. Course can be offered as Independent Study as well.

SCIENCE

Physical Science 9 (Required)

Grade 9

Physical Science is a lab-based course designed to teach students the basics of physics. Students will also understand the nature of science, or how science is performed. We will discuss many topics. Some of these include: Motion, Fluid, Forces, Energy Forms, Electricity, Electromagnetism, Light, Forces, Simple Machines, Heat, Magnetism, Waves and Sound. Class activities will include (but not be limited to) lab experiments, lab tests, written exams, group discussions, lectures and note taking, just to name a few.

Chemistry 10 (Required)

Grade 10

Chemistry is the study of matter and the changes it undergoes. These changes range from ice melting to explosions. These reactions and many more will be explored in this course. A math background is very helpful but not absolutely required. Class activities will include (but not be limited to) lab experiments, lab tests, written exams, group discussions, lectures, and note taking, just to name a few. Topics discussed range from elements and atoms, bonding, chemical reactions, moles, to stoichiometry.

Biology (Required)

Grade 11

This is a general biology course that will cover the study of cells, which are the basic units of life, and how they function and reproduce. Other topics covered include genetics, evolution, the study of animals and plants, and finally how all life interacts and depends on one another. The work that will be done includes, but is not limited to; dissections and laboratory experiments, research projects and scientific reports.

Anatomy

Grade 11/12

This course ventures into the wonders of the human body. Starting with the cell, we explore how the cells build the structures that control the functions of our organ systems such as the nervous system, circulatory system, muscle system and skeletal system.

Botany

Grade 11/12

This course is focused on plant sciences. Students will learn about the structure and function of various plant parts, how these parts interact with each other, and how these affect the environment around us.

Advanced Chemistry

Grade 11/12

Chemistry is the study of matter and the changes it undergoes. These changes range from ice melting to explosions. These reactions and many more will be explored in this course. Other topics including stoichiometry, acids/bases, solutions, electrochemistry, and Organic Chemistry. A strong math background is very helpful but not absolutely required. Class activities will include (but not be limited to) lab experiments, lab tests, written exams, group discussions, lectures and note taking, just to name a few.

SECOND LANGUAGES

Spanish I

Grades 9-12

Students in this course will learn to read, write, speak, and listen in Spanish, as well as learn about cultural differences and similarities. Pronunciation, basic conversation, grammar, vocabulary, and present tense verb forms will be learned. A wide variety of student-centered, communicative activities is emphasized.

Spanish II (Prerequisite-Spanish I)

Grade 10-12

Spanish II students will continue to read, write, speak, and listen in Spanish, as well as learn about cultural differences and similarities, but at a more advanced level. More complex conversational and grammatical structures will be covered, along with basic vocabulary. Students will learn how to communicate in the past future, and conditional tenses, as well as in the present tense. Emphasis is still on a wide variety of student-centered, communicative activities.

SOCIAL STUDIES

Civics 9 (Required)

Grade 9

This course is a study of what it means to be an American citizen. One goal is to provide students with an understanding of our nation's system of government at the federal, state, and local levels. Another goal is to install in students the qualities of good citizenship that will enable them to put their knowledge into action. Rights and freedoms, loyalty to nation and community, and respect for the law are discussed. The third goal is to provide students with the skills they need to participate fully in our democratic society. Practical skills such as preparing a tax form and filling out a voter registration card as well as critical thinking skills will be emphasized. The fourth goal is to familiarize students with contemporary issues that face our nation so they will be able to make wise decisions. Topics which are currently in the news will be researched.

American History (Required)

Grade 10

This course focuses on how America came to be. Throughout the year the focus will be on cause-effect relationships on the major events of our country's history. The goal of the course is to introduce students to the major players of America's past and have the students walk in their shoes. History Day is a mandatory project that students complete during this course in which students select a topic of interest that matches a new theme each year.

World Geography (Required)

Grade 11

Geography is the study of the earth and how people use its resources. This course focuses on the physical and cultural aspects of the world in which we live. The five themes of geography (region, place, location, movement, and human environment interaction) are emphasized throughout the course. Areas of emphasis include Canada, Latin America, Europe, Asia, and the Middle East.

World History (Required OR AP History)

Grade 11

Students will learn about the history of mankind. Starting with ancient civilizations, students will examine different empires throughout our human history. Students will look at how different regions and cultures came to be. Hands on projects will be used to check for understanding as well as unit assessments.

OR

Advanced Placement (AP) World History

Grade 11/12

AP can change your life. Through college-level AP courses, you enter a universe of knowledge that might otherwise remain unexplored in high school; through AP Exams, you have the opportunity to earn credit or advanced standing at most of the nation's colleges and universities. Get a head start on college-level work. Improve your writing skills and sharpen your problem-solving techniques. Develop the study habits necessary for tackling rigorous course work. Show your willingness to take the most rigorous courses available to you. Emphasize your commitment to academic excellence.

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

Social Problems/Leadership (Required)

Grade 12

Economics is designed to teach students basic economic concepts. Economics is the study of the choices and decisions people make about how to use the world's resources. Understanding economics will help students make informed decisions and be able to assess decisions of others. An objective of the course is for students to become more comfortable with the basic economic tools, terms and concepts. In addition students will be able to better understand and evaluate economic issues and debates presented by politicians, policymakers, and economists in the major media. Leadership course will examine the process of leading, leadership strategies, leadership in different areas, and historical leaders. This course will also consist of the required community service hours for graduation.

Psychology

Grades 10-12

Psychology is the study of how the mind interprets the world around us to affect behaviors. Students will take part in activities related to growth and development of the human mind, structures and functions of the brain, and interesting tricks to maintain brain health.

Sociology

Grades 10-12

This course will look at human group interactions. Why do groups of people act differently than each individual would on their own? The answer lies in societal roles that we assume through our development. This sociology course will contain group projects and observational studies.

Cedar Mountain PLE (PLATO Learning Environment) Online Courses
Fall, Spring, and Summer Course Offerings

Current Course Offerings can be found at:

http://www.edmentum.com/sites/edmentum.com/files/resource/media/0338_SecondaryCourseCatalog_Updated%204-7-14.pdf

College Course Offerings

Online College in the High School (OCHS)

Students interested in taking college-level courses must take the AccuPlacer exam and meet minimum requirements to enroll in these courses.

2015-16 Current Course Offerings can be found at:

<https://distanceminnesota.org/app/custom/marketing/session/L3RpbWUvMTQwMDg1ODg4OS9zaWQvNWpuM0ctVWw%3D>

Minnesota West

Students interested in taking college-level courses must take the AccuPlacer exam and meet minimum requirements to enroll in these courses.

2015-16 Current Course Offerings can be found at:

http://www.mnwest.edu/index.php/class-schedules?view_schedule=20163R300&special=false

and

http://www.mnwest.edu/index.php/class-schedules?view_schedule=20165R300&special=false