Medford Area
Senior High

"Ordinary is a Given. Greatness is Achieved"

Scheduling Handbook
for
2016-2017

12/2015

December 2015

Dear Student(s) and Parents/Guardians:

We will soon begin scheduling for the 2016-2017 school year. Our steps for scheduling next year's 10th, 11th, and 12th graders are as follows:

1. *Information in the form of this handbook is being distributed to students in their English classes where we will explain scheduling procedures, the Scheduling Handbook, and any special programs.*
2. *Students should discuss with parents/guardians what they want to take and prepare a tentative selection of classes, including a minimum of three (3) alternates.*
3. *Students will sign up for an appointment to meet with their counselor during their study hall.*
4. ***A copy of the student's course selections will be mailed home with the spring parent/teacher conference information.***

We hope that you will become involved in this process and that you will encourage your sons or daughters to make intelligent course selections that will be useful if their future.

We want to emphasize that it is <u>VERY IMPORTANT</u> that students select the courses they want now. ***Class changes <u>will not</u> be made except in cases of scheduling errors.*** *Parents are asked to consider their son's or daughter's course selections carefully. Requests for students not to be assigned a specific teacher must be submitted in writing by June 1st to either the principal or guidance office.*

Each year many questions arise concerning grade point average. Please refer to page 34 for information regarding this.

If you have any questions or concerns, please contact your son's or daughter's guidance counselor at the high school, 748-5951. Thank you.

Sincerely,

Tolea Kamm-Peissig
Guidance Counselor
(Last names A-K)
Ext. 427

Terrance Lybert
Guidance Counselor
(Last names L-Z)
Ext. 428

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GRADUATION REQUIREMENTS

In order to graduate from Medford Area Senior High, a student must accumulate 23¾ credits.
It is the responsibility of each student to see that he or she has completed all of the below requirements by graduation.

Class of 2017, 2018, 2019 and 2020

1. Four (4) credits in English, including English 9 or Honors English 9, English 10 or Honors English 10, English Language, Honors English Language or AP English Language, and English Literature, Honors English Literature or AP English Literature.
2. Three (3) credits in Social Studies, including Human Geography or AP Human Geography, US Government or AP US Government, and US History or AP US History.
3. Three (3) credits of Science, including one credit each of Physical Science, Biology, and Chemistry.
4. Three (3) credits of Mathematics.
5. One and one-half (1.5) credits of Physical Education including .5 credit of freshmen P.E. **Additional classes may be taken for elective credit.**
6. One-half (.5) credit of Health.
7. One-half (.5) credit of Financial Literacy.
8. One-quarter (.25) credit of Life Management.
9. One-half (.5) credit of Vocational Education.
10. One-half (.5) credit of Fine Arts.

■Classes meeting the Vocational Education requirement are:

a. All Agriculture Department classes.
b. All Business Department classes, except Computer Systems
c. All Family and Consumer Sciences classes.
d. All Technology Education classes.
e. All Pre-Engineering classes.
e. Food Science I & II from the Science Department

■Classes meeting the Fine Arts requirement are:

a. All Art Department classes.
b. Drama from the English Department.
C. All Music Department classes

HIGH SCHOOL GRADUATION STANDARDS

All students granted diplomas must have been enrolled in a class approved by the school board each period of each school day.

HIGH SCHOOL CLASS LOADS FOR 2016-2017

The following are the required courses and the required number of electives a student must take during the 2016-2017 school year. Students must carry 7 hours of class (no more than one study hall) regardless of how many credits they have accumulated. Any student failing a required course must repeat the course during the following year. **Any student wishing to take more than 7 credits per year must have honors study hall status or need the credits in order to graduate.**

FRESHMAN	**CREDIT**
English 9 or Honors English 9	1.0
Mathematics as assigned: Pre-Algebra, Algebra A, Algebra I, or Geometry	1.0
Physical Science or Honors Physical Science	1.0
Human Geography or AP Human Geography	1.0
Physical Education	.5 or 0
Driver Education - based on age (optional)	0
Life Management - based on age	.25 or 0
**Fine Arts	.5 or 0
**Vocational Education	.5 or 0
Elective credits*	1.0 - 3.0
TOTAL	**6.75-7.0**

SOPHOMORE	**CREDIT**
English 10 or Honors English 10	1.0
Mathematics	1.0
Biology or Honors Biology	1.0
US Government or AP US Government	1.0
Health	.5
Driver Education - if not as a freshman (optional)	0
Life Management - if not as a freshman	.25 or 0
Physical Education	.5 or 0
**Vocational Education	.5 or 0
**Fine Arts	.5 or 0
Elective credits*	0.5 - 2.5
TOTAL	**6.75-7.0**

JUNIOR	**CREDIT**
English Language, Honors English Language or AP English Language	1.0
Mathematics	1.0
Chemistry or Honors Chemistry	1.0
US History or AP US History	1.0
Physical Education	.5 or 0
**Vocational Education	.5 or 0
**Fine Arts	.5 or 0
Elective credits*	1.5 - 3.0
TOTAL	**7.0**

SENIOR	**CREDIT**
English Literature, Honors English Literature or AP English Literature	1.0
Financial Literacy	.5
Physical Education	.5 or 0
**Vocational Education	.5 or 0
**Fine Arts	.5 or 0
Elective credits*	4.0 - 5.5
TOTAL	**7.0**

**These requirements may be met anytime during the four years of high school.

COURSE SELECTIONS

Course offerings/titles listed in this handbook reflect the most accurate information available as of December 1, 2015. Changes in course availability may occur due to budgeting considerations, teacher utilization, student scheduling choices, or other factors.

On the following pages…

GRADE indicates the grade levels at which a course may be taken.

YEAR OR SEMESTER indicates the length of the course.

PREREQUISITE indicates the course(s) that must be successfully completed before entering the described course.

Unless otherwise indicated, students will be awarded one-half (.5) credit for a semester course and one (1) credit for a year-long course.

AGRICULTURE

Exploratory AgriScience - How does AGRICULTURE affect my life? Learn about the importance of agriculture to everyone! This course is an excellent way to be introduced to the many different aspects of agriculture and the FFA. Topics will include diversity of agriculture, biotechnology, careers, FFA, leadership skills, Supervised Agriculture Experience (SAE), plant science, animal science, and natural resources.
Gr. 9-12 Semester Prerequisite: none

Horse and Small Animal Science - deals with equine management and services along with pet (dogs, cats, rabbits, etc.) care and management. Nutrition, grooming, pedigrees, and other factors are studied. Some information will be included on veterinary careers.
Gr. 9-12 Semester Prerequisite: none

Fish and Wildlife - is a course that will study game and non-game species of mammals, birds, and fish. The course will study the ecology, habits, habitat, and life cycles of various species of wildlife and fish.
Gr. 9-12 Semester Prerequisite: none

Horticulture-Plants & You - Do you have a green thumb? If not, that's okay! In this course you will build a strong foundation for soil and plant science concepts by working inside the greenhouse and outdoor on landscaping projects and gardens. Students will learn general care for houseplants, fertilization, build corsages, floral arrangements, as well as learn about soil, terrariums, propagation methods, wreath-making, and helping out school and community gardens/landscape.
Gr. 9-12 Semester Prerequisite: none

Dairy Production - includes all phases of the dairy industry, including feeding, breeding, housing, health, records, and dairy careers. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 33 for more information.)
Gr. 10-12 Semester Prerequisite: none

Veterinary Science - Explore parts of the veterinary field by learning basic veterinary terminology and identifying veterinary equipment. Learn how to handle and restrain various animals and give a basic physical examination of those animals. Learn about animal diseases and parasites including their diagnosis and treatment. Students will practice basic hands-on procedures with classroom animals. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 10-12 Semester Prerequisite: Horse and Small Animal Science

Animal Science - is the study of the livestock (cattle, swine, sheep, poultry, etc.) industry, animal nutrition and feeding, judging and classification, and the meat industry. Students will also be participating in hands-on animal labs.
Gr. 10-12 Semester Prerequisite: none

Forestry - In this course students will learn about tree growth, tree identification, harvesting methods, marketing tactics, pests, forest crop laws, careers, and conservation practices. Do you like to be outdoors in forests-then this is the class for you!
Gr. 11-12 Semester Prerequisite: none

Independent Agriculture - Students who are interested in learning about a facet of agriculture that has been previously covered in a class or maybe has not been covered in a class-this is the course for you! Students will work independently to set up rigorous, high-paced curriculum that focuses specifically on each student's interests.
Gr. 11-12 Semester Prerequisite: Instructor Consent

ART

Upperclassman may select a maximum of 4 art classes per year with the exception of Lights, Camera, Action and Yearbook. Placement in these classes may be limited due to class enrollment.

Art Exploration - includes the study and application of art elements and principles of design. Beginning Art students will learn the history, vocabulary and techniques related to art and design in both two-dimensional and three-dimensional projects. Units include: drawing, painting, design, printmaking, sculpture, metals and ceramics. X Lab fee - $5.00
Gr. 9-12 Semester Prerequisite: none

Lights, Camera, Action!!! - is a course designed to teach students about digital film making and production. Student assignments will include reporting on high school activities, student recognition, co-curricular activities, sporting events, daily announcements and film making, and production as an art form. Some of the job descriptions could include: art director, editor, script supervisor, sound operator, camera operator, visual effect specialist and announcer. This course may offer transcripted/dual credit through Northcentral Technical College for Grades 11-12. (Refer to Special Programming Options on Page 32 for more information.) Lab fee - $5.00
Gr. 10-12 All Year Prerequisite: none

Drawing I - is an introduction to the fundamental concepts and techniques of drawing using a variety of media and subject matter. Drawing focuses on black and white or monochromatic rendering from life, pictures, masterworks and imagination. With an emphasis on studio production, this course is designed to develop knowledge and skill in drawing, art criticism, art history, and aesthetics. Lab fee - $5.00
Gr. 9-12 Semester Prerequisite: none

Drawing II - is a study of visual art and intermediate drawing skills. Students will explore different avenues of visual communication, self-expression, and creative problem solving through the creation of representative observational drawing as well as abstraction. Students will continue to develop technical drawing skill with an emphasis on composition and content. More time will be devoted to thematic development and the exploration of personal sources of meaning during the second half of the semester. Lab fee: - $6.00.
Gr. 10-12 Semester Prerequisite: Drawing I & Art Exploration

2-D Studio Art - Intermediate art students will explore the art elements and principles of design in a variety of media relating to two-dimensional design. This study in design will include the production of art, art history, art criticism and aesthetics. Units include: drawing, painting, embossing, pen and ink, collage, street art, printmaking, and mixed media. Lab fee - $5.00
Gr. 10-12 Semester Prerequisite: Art Exploration

Metals & Glass I - Intermediate art students will be introduced to the tools, techniques, and methods used to create works of art in both metal and glass. Students will study historical and cultural uses of jewelry and glass. Units include: stained glass, glass etching, mosaic, copper enameling, wax casting, and metal fabrication. Lab fee - $5.00
Gr. 10-12 Semester Prerequisite: Art Exploration

Pottery & Sculpture I - Advanced art students will create three-dimensional art forms through the study of art and design, various cultures and artifacts related to ceramics and sculpture. Units include: hand built pottery, wheel thrown pottery, glazing techniques, additive and subtractive sculpture, metal tooling, and found object sculptures. Lab fee - $5.00
Gr. 10-12 Semester Prerequisite: Art Exploration

Digital Art - Students will learn to use the computer and digital camera as tools to create fine art. This digital art course combines traditional art with new technology. Units will include digital imaging, digital illustration, painting, drawing and mixed media. This course may offer transcripted/dual credit through Northcentral Technical College for Grades 11-12. (Refer to Special Programming Options on Page 32 for more information.) Lab Fee: $5.00
Gr. 10-12 Semester Prerequisite: 2-D Studio Art, Drawing **OR** Art Expl.

Yearbook - develops skills in journalism and publishing. Students are responsible for producing the Raider, our full color school yearbook. They gain hands-on experience in planning and designing publications, digital photography, image editing, writing and editing copy, and on-line layout of our book. Students who take yearbook more that once assume leadership roles on the staff.
Gr. 10-12 All Year Prerequisite: none

Metals and Glass II - is a continuation of what the students learned in Metals and Glass I using more advanced tools, techniques, and methods used to create works of art in both metal and glass. Students will study historical and cultural uses of jewelry and glass. Units of study will include: stained glass, glass etching, mosaic, wax casting, and metal fabrication. Lab Fee - $6.00
Gr. 11-12 Semester Prerequisite: Metals & Glass I

Painting I - An introduction to basic painting techniques and color principles applied to the exploration of watercolor, acrylic and oil painting. Intermediate art students will choose a master artist and study the painter from the viewpoint of an artist, art critic, and art historian. Lab Fee $5.00
Gr. 11-12 Semester Prerequisite: 2-D Studio Art

Painting II - This course continues building aesthetic and technical skill in watercolor, acrylic, and oil with an introduction to air brush painting. Painters will use advanced design techniques to develop their own personal style in painting. Students will study an art movement from the viewpoint as an artist, art critic and art historian. Lab Fee $5.00
Gr. 11-12 Semester Prerequisite: Painting I

Pottery & Sculpture II - is a continued exploration of hand building, wheel throwing techniques and advanced sculptural processes. Students will apply advanced techniques and skills to produce high quality three-dimensional forms to communicate ideas. Units include: mold making, hand built and wheel thrown pottery, and sculptural forms created by plaster, wire, metal and found objects. Lab fee - $6.00
Gr. 11-12 Semester Prerequisite: Pottery & Sculpture I

Advanced Placement Studio Art - is designed for highly motivated students who are seriously interested in the study of art. This course is formatted following the Advance Placement guidelines allowing students to have the option of submitting their portfolio for AP college credit at the end of the school year in either 2-D, 3-D or Drawing. Students who take this year long course will develop many skills necessary for future art endeavors. Lab fee - $10.00 (Refer to Special Programming Options on page 32 for more information.)
Gr. 11-12 All Year Prerequisite: Successful completion of 2 or more art courses **and** instructor consent

Independent Study Art - is open to seniors with a strong interest in a specific area of art. Lab fee $5.00.
Gr. 12 Semester Prerequisite: Successful completion of 2 or more art courses **and** instructor consent.

Independent Study-Mural Design - is open to seniors interested in designing and painting a mural for MASH.
Gr. 12 Semester Prerequisite: Painting I **and** instructor consent

Teacher Assistant Art - is open to seniors who will work as a teacher's assistant with students in an art class and aid with the general maintenance of the art classroom.
Gr. 12 Semester Prerequisite: Successful completion of 2 or more art courses **and** instructor consent

BUSINESS & INFORMATION TECHNOLOGY

REQUIRED COURSES:

Financial Literacy - starts students on the path of becoming a competent consumer. This course provides an excellent foundation for buying cars, homes, insurances, clothes, food, etc. and teaches how to manage a checking account, credit cards, a budget and investing. You will learn about scarcity, impacts of decisions, consumer rights, laws and responsibilities. Students will accumulate resources and information for future reference. Web sites, current periodicals, textbook and other resources are used.
Gr. 12 Semester Prerequisite: none

ELECTIVE COURSES:

Business Exploration - provides a foundation for understanding business. This course studies forms of business, economics (supply/demand curves; inelastic demand; shifts in demand/supply; Law of Diminishing Returns; circular flow of money; money supply and other concepts), international trade, business careers, current events and more. Students will create a partial business plan for a business of their choice.
Gr. 9-10 Semester Prerequisite: none

Entrepreneurship - Explore business ownership and management with this class as well as be able to write a business plan. Develop business confidence through hands-on experience, simulations, and practical applications. Use a computer simulation to run and operate your own store in a retail setting. Students enrolled in Entrepreneurship will also be involved in the operation of the school store. Students will run and operate concessions during home basketball games.
Gr. 9-12 Semester Prerequisite: none

Intro to Marketing - is designed to give you a look at the world of marketing. This course will provide you with techniques and concepts used in contemporary marketing including: new product development, sales, promotion, customer service, pricing, the consumer market, retail management and entertainment promotion/sales techniques. Students will be involved in various projects including designing new products and sales demonstrations. It also provides you with retail store experience through the daily operation of the MASH School Store a.k.a. The Red Zone. Involvement in DECA is recommended. Students will run and operate concessions during home basketball games.
Gr. 9-12 Semester Prerequisite: none

Web Tools - Students will explore free tools that are available on the Internet for home, business, and educational use. Projects will be based on current Web tools as well as other open source (free) software that is available for download on any computer including: networking and communication, productivity, storage/archive, and multimedia tools. Current news-worthy technology-related topics will also be reviewed. Students will be comfortable using web tools in their daily lives after completing this course.
Gr. 9-12 Semester Prerequisite: none

Accounting I - is the language of business. Develops vital skills needed for any student going on to any career in business. Most Chief Executive Officers of companies have Accounting degrees. Topics covered are: Double Entry system; the Accounting Cycle for Service/Sole Proprietorship business; Financial Statements; Cash Control/Banking; Payroll and Taxes; Special Journals; Careers, and more.
Gr. 10-12 Semester Prerequisite: none

Accounting II - is the language of business. Develops vital skills needed for any student going on to any career in business. Topics covered are: Special Journals; Adjusting Entries; Accounting cycle for Merchandising Corporations; Selling Stock; Earnings Distribution; Change and Petty Cash Funds; Inventory; Plant Assets and Depreciation; Uncollectible Debts; Accounting Simulation; Accounting Principles; and more.
Gr. 10-12 Semester Prerequisite: Accounting I

CISCO Network Academy I - IV - is available as an **independent study** by request and instructor consent.
Gr. 10-12 Semester Prerequisite: Algebra II

NEW: Computerized Accounting - Take your accounting skills to the next level by learning how to use computerized accounting software. Students will apply the skills learned in Accounting I and utilize the accounting cycle with computer software. They will also learn how the accounting cycle can be achieved using both spreadsheets and proprietary accounting software like Quickbooks. This is a must class, not only for students interested in the accounting field, but for anyone interested in operating a business.
Gr. 10-12 Semester Prerequisite: Accounting I

Flash Animation - is an online course offered through Aventa Learning for anyone who wants to create animations and interactive movies like the ones used on the coolest Web sites. Participants learn how to use Flash CS3, the world's most popular animation software, to create engaging, interactive movies for the Web. Beginning with classic animation techniques, participants learn how to move objects around the screen and change their appearance. From there, it's on to creating movies, complete with original artwork. By the end of the course, students have learned how to build interactivity into their movies and publish them to the Web. This course is a great introduction to the world of Web animation.
Gr. 10-12 Semester Prerequisite: none

Game Simulation & Animation Programming - is an introduction to game and simulation programming including a study of design, navigation, and graphics. Students will work with Gamemaker (free software) to develop object-oriented programming skills. Students will also develop skills in the Visual Basic/Visual Studio.Net language as it relates to game programming. More advanced features of Alice, another free object-oriented programming tool, may be incorporated if time allows. An overview of careers in game programming is included in the course. Great course for students with a personal interest in or looking to prepare for any career in computer programming.
Gr. 10-12 Semester Prerequisite: None

Introduction to Computer Programming - offers hands-on experience in introductory programming using Javascript. Students gain proficiency in program design, coding, editing, flow charting, testing, and debugging. Class members will develop web applications using HTML/Javascript and will hone coding programming skills using CodeAvengers. The course will also provide a good background for students wishing to take other computer science courses and/or pursue a career in computer programming or web design. Google Classroom is used to deliver curriculum.
Gr. 10-12 Semester Prerequisite: None

IT Essentials - a CISCO Networking Academy, provides an in-depth exposure to PC hardware and operating systems. Students study the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. In addition, an introduction to networking is included. This course helps students prepare for CompTIA's A+ certification. It will also provide a good background for students wishing to take the CISCO networking courses. Utilizes Moodle and the Cisco Network Academy to deliver curriculum.
Gr. 10-12 Semester Prerequisite: none

Web Site Development - This course introduces HTML and Cascading Style Sheet (CSS) coding techniques. Students will create/modify web pages using HTML tags and style the web pages with CSS. For the final course project, students will create a personal website portfolio. Additional topics include: copyright considerations, text editors, image optimization, FTP utilities and browser tools. This course may offer transcripted/dual credit through Northcentral Technical College for Grades 11-12. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 10-12 Semester Prerequisite: none

Accounting III - reviews and takes an in-depth look at Accounting I and II topics, as well as Notes Receivable; Negotiable Instruments; Notes Payable, Short-Term Investments; Marketable Securities; Intangible Assets; Long-term Liabilities; and more. This course may offer transcripted/dual credit through Northcentral Technical College . (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Semester Prerequisite: Accounting II

Accounting IV - Topics include: Cash Flows; Bonds; Sinking Funds; Ratio Analysis; partnerships; Manufacturing and managerial Accounting; Cost-Volume-Profit Relationships; pricing Decisions; and more.
Gr. 11-12 Semester prerequisite: Accounting III

NEW: Computer Programming with Javascript - offers hands-on experience in programming with Javascript. Students gain proficiency in program design, coding, editing, flowcharting, testing, and debugging. This course will provide a good background for students wishing to take other computer science courses and/or pursue a career in computer programming or web design. Google Classroom is used to deliver the curriculum. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Semester Prerequisite: Intro to Computer Prog **OR** Instructor Consent

NEW: Marketing II - This is an extension of Intro to Marketing/Sports Marketing and is designed for students who wish to explore advanced marketing concepts. In this course, we will explore consumer demographics, lifestyles, and decision making; evaluate product distribution, promotion and price planning; develop effective surveys and research tools and create a strategic maketing plan. Marketing students are required to work in the Red Zone. This course may offer transcripted/dual credit through Northcentral Technical College for Grades 11-12. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Semester Prerequisite Intro to Marketing, Sports Marketing or Instructor Consent

Sports Marketing - Students will apply the concepts learned in Intro to Marketing and apply them to the world of Sports and Entertainment. Students will create a fantasy franchise of their own as well as run a simulated Football Franchise. Students will have the opportunity to help run the Red Zone during the school day and manage concessions during home basketball games. Introduction to marketing is recommended.
Gr. 11-12 Semester Prerequisite: none

Street Law - covers constitutional, criminal, civil and contract law as it affects everyday life. It also includes field trips to the Taylor County Jail and Courtroom proceedings and expert guest speakers such as police officer, lawyer, district attorney, and judge. Other topics covered include marriage, divorce, renting consumer information and more.
Gr. 11-12 Sem 1 or 2 Prerequisite: none

DRIVER EDUCATION

Driver Education Classroom and Behind-the-Wheel are optional programs for all students. The classroom portion is a nine week course and runs opposite of Life Management. As a convenience to both students and parents/guardians, both the Classroom and Behind-the-Wheel instruction will be offered to students during the school day for no credit. However, the entire cost of both programs is the responsibility of the student and his/her parents/guardians. Students that choose not to enroll in driver education will be given a study hall for this nine week period.

Summer classroom may be available if at least six (6) students enroll in the class. If interested, please contact The Driving Shop at 715-785-7308 to discuss this option.

ENGLISH

- While the content of each level is similar, the level of skill students practice during each course is different. These skills, such as reading and writing skills, increase in rigor.
- Placement is based on Standardized Test Scores and teacher recommendation.

REQUIRED COURSES:

GRADE 9

English 9

Honors English 9

This course is an accelerated and enhanced approach to effective written and oral communication. Students will focus on style, structure, and language appropriate for various purposes and audiences and will be actively involved in research methodology, writing, and speaking at advanced levels. As part of the course work, the student will review basic grammar and usage, study vocabulary, read selected fiction and nonfiction texts, and utilize technology to develop multimedia products and presentations.
Gr. 9 All Year Prerequisite: none

GRADE 10

English 10
Honors English 10

Focuses on extending students' literary analysis skills by reading and reviewing a variety of world literature including novels, drama, nonfiction, poetry, and short stories. The composition work centers around reviewing conventions and grammar, studying vocabulary, and developing writing skills through essay writing and extended composition work.

Gr. 10 All Year Prerequisite: none

GRADE 11

Language and Composition 11
Honors Language and Composition 11
Advanced Placement Language and Composition 11

Engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language contribute to effectiveness in writing. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 11 All Year Prerequisite: none

GRADE 12

Literature and Composition 12
Honors Literature and Composition 12
Advanced Placement Literature and Composition 12

Engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism and tone. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 12 All Year Prerequisite: none

ELECTIVE COURSES:

Drama I - begins with a brief history of the theatre. Students then move on to work on all areas of theatrical production including script analysis, set design, make-up, props, costuming and acting. The work includes laboratory work with theatrical materials which aid in the fall theatrical production. A final presentation is a requirement for this course.

Gr. 11-12 Semester Prerequisite: none

Drama II - Students refine skills and develop projects explored in Drama I. Drama II students are responsible for the spring theatrical production including directing, acting, stage craft assignments, publicity and promotion. The Drama II production will be presented at the annual Fine Arts Weekend Exhibit. A student portfolio which includes a scene presentation, a set design, costume or make-up plot, scene analysis and final presentation are requirements for this course.

Gr. 11-12 Semester Prerequisite: Drama I

FAMILY AND CONSUMER SCIENCES (FACS)

REQUIRED COURSE:

Life Management - is a required, quarter-long class that will help students acquire the life skills they will need to make informed decisions about the issues and personal choices they will face in an increasingly complex society. Topics include: making informal decisions; developing consumer skills; identifying personal goals, resources, and values; forming critical thinking skills; and investigating careers and job skills.

Gr. 9-10 One Quarter Prerequisite: none

ELECTIVE COURSES:

Food Exploration - This introductory course provides a foundation in basic cooking skills. There is a strong emphasis on nutrition and nutritious foods. Each food group will also be explored and students will learn the techniques for cooking fruits, vegetables, milk products, eggs, meats, and bread.

Gr. 9-10 Semester Prerequisite: none

Intro to Fashion Design and Clothing - Interested in the field of design and clothing construction? Explore the evolution of the fashion scene and popular designers. Learn the techniques necessary while working on a sewing machine and serger. Students of all levels will apply creativity with basic sewing to match their individual skill level. Students both male and female will make a variety of projects which may include: seasonal decorations, home accessories, boxers, pajama pants, comforters, hats, bags, etc. and an item to repair, redesign and recycle. **Students are required to bring in fabric for some projects.**

Gr. 9-12 Semester Prerequisite: none

Culinary Arts - Interested in a food related career? This course will offer advanced food preparation skills, such as: knife skills, garnishing, sauce making, egg preparation, etc. Students will be exposed to many different food related career units: food photography and advertising, catering, food science, pastry chef, candy making, product development, etc. Topics of focus include sanitation, hygiene, state codes and food safety. This course may offer transcripted/dual credit through Northcentral Technical College . (Refer to Special Programming Options on Page 32 for more information.)

Gr. 10-12 Semester Prerequisite: Food Exploration **OR** Instructor's Consent

Interior Design - Whether you are interested in the field of interior design and/or architecture/construction as a career, or you are looking for practical knowledge to apply to future housing, this is the course for you. Emphasis is on housing styles and trends, construction, space planning, floor plans, furniture arrangement, background materials, painting techniques, landscaping, etc. Students male and female will enjoy hands-on creative opportunities using real industry samples, interactive computer design tools, industry specialist speakers, mini-field trips and career awareness.

Gr. 10-12 Semester Prerequisite: none

Food Science I & II - See Science Department for course descriptions.

Gr. 10-12 Semester Prerequisite: none

Foods with Flair - What is that good smell? The students in Foods with Flair are applying food preparation skills previously learned to more creative methods of food preparation. A large portion of this class will take you on a culinary tour of the world. Students will learn about the people, cultures, celebrations, climate and food from Italy, Mexico, the Caribbean, Greece, Africa, China, India, etc. We will also learn about the food from across the US, whether it is Chicago style deep dish pizza or foods served at Mardi Gras or the taste of Hawaii; the US offers a wide variety of specialties.
Gr. 10-12 Semester Prerequisite: Food Exploration **OR** Instructor Consent

Hobbies for Life - Looking for something hands-on and fun? Students will learn to use creativity and basic sewing and needle arts to make wearable art, home accessories and seasonal decorative items. Students will use the sewing machine, hand-sewing techniques, and special materials to create a variety of projects, such as knitting, crocheting, stitchery, rug making, basketry, scrap booking, weaving, quilting, applique, and craft design. **Students are required to supply their own materials for the projects.**
Gr. 11-12 Semester Prerequisite: none

Infant & Toddler Development - is designed for students who love children and are concerned about their future and/or are interested in related careers. Study is on the development of the whole child from the prenatal stage through toddlerhood. Units include pregnancy, childbirth, brain development, the newborn, infant and toddler development, nutritious meals, toys and play activities, promoting health and safety, SIDS, shaken baby, and guidance techniques. Regular interaction with elementary students, many hands-on projects, current media, and observation at daycare centers, guest speakers and mini-field trips contribute to the value of the course. Completion of this course and *Foundations of Early Childhood Development* will enable a student to be employed as an Assistant Child Care Teacher in a day care center. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11 -12 Semester Prerequisite: none

Foundations of Early Childhood Development - is designed for students who want further experience in the care of children. This course reviews infant and toddlers with an in-depth look at preschoolers. Study will also focus on child care settings and child-related careers. Students will be present with opportunities to teach young children by developing age appropriate learning activities. Other topics include: sensory experiences, art and music enrichment, storytelling, toys and play, nutritious food and snacks, guidance techniques, child theorists, multi cultural/anti-bias and creative curriculum programs, and child safety regulations. Regular interaction with elementary students, many hands-on projects, current media, observations at daycare centers, guest speakers and mini-field trips contribute to the value of the course. Completion of this course and Infant and Toddler Development will enable a student to earn state certification and become eligible for employment as an Assistant Child Care Teacher (ACCT) in a day care center. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Semester Prerequisite: none

Travel, Tourism and Hospitality - is designed to help students prepare for gainful employment in various food service related careers or to prepare them for further education at the post secondary level in this area. Areas of study include restaurant operations, menu planning, and quantity food preparation
Gr. 11-12 Semester Prerequisite: Food Exploration

Relationships - is an interactive course designed to give both males and females realistic views of the responsibilities of the adult choices awaiting them. This course examines personal development and the relationships most important to young people in their future. Students will gain a broadened understanding of such topics as character, personality, friendship, dating, dating violence, engagement, wedding planning, marriage, parenthood, and family crisis issues. Popular media, current resources, hands-on projects, guest speakers and mini-field trips contribute to the value of the course.
Gr. 11-12 Semester Prerequisite: none

Single Survival - is a class designed for the seniors who are getting ready to move out on their own. Students will learn to prepare nutritious meals, shop wisely for groceries, select and furnish an apartment, maintain and purchase clothing, manage finances, and cope with the responsibilities of adulthood.
Gr. 12 Semester Prerequisite: none

FOREIGN LANGUAGE

A minimum overall GPA of 2.0 during 8th grade is required for enrollment in French I or Spanish I. ***If it is necessary to limit enrollment in French I and Spanish I, freshmen students will be selected based on the their grades earned during 8th grade.***

French I - This is an introductory course for students who want to learn to communicate in French and to become familiar with francophone cultures. The primary linguistic goal at this level is to achieve some degree of comfort with spoken French. The program of study will also include an initial familiarization with written materials. Students will explore the role of culture in the U.S. and francophone countries.
Gr. 9-12 All Year Prerequisite: none

French II - In this course, students will improve their level of communication in French and increase their familiarity with francophone cultures. Students will become more comfortable with both spoken and written French. Students who successfully complete French II are eligible to participate in the biennial trip to France.
Gr. 10-12 All Year Prerequisite: French I

French III - In this course, students will go beyond the basics and work towards fluency in French. Students will be encouraged to communicate as much as possible in French in both spoken and written forms. Cross-cultural comparisons of more significant issues will provide further insight into the lives of both the home and francophone cultures.
Gr. 11-12 All Year Prerequisite: French II

French IV - This course allows students to continue to work toward fluency in French and further extend their understanding of and competence with cross-cultural issues. Classroom communication will be in French and more emphasis will be placed on written forms of communication. Students will explore French literature and poetry. This course prepares students for the UW placement exams in French.
Gr. 12 All Year Prerequisite: French III

Spanish I - emphasizes learning to understand and speak Spanish but also includes basic reading and writing exercises. There is an introduction to Hispanic culture and customs. Students will be graded on daily assignments, oral practice, tests, and projects. All Spanish students may join the International Club, which allows them the opportunity to attend many cultural events and participate in Hispanic activities.
Gr. 9-12 All Year Prerequisite: none

Spanish II - is a continuation of Spanish I, with a little more reading and writing. There is a more in-depth study of life in Spanish speaking countries. Those who have completed 2 years of Spanish may participate in an annual trip to a Spanish speaking country which includes: Mexico, Spain, Costa Rica, Puerto Rico, or Peru.
Gr. 10-12 All Year Prerequisite: Spanish I

Spanish III - will provide the student with continued development in listening, speaking, reading comprehension, and writing skills. The simple past tenses and more complex grammar skills will be introduced, and students will begin to give sustained presentations and dialogs about pertinent topics. Students will learn more about the diversity of Spanish speaking countries.
Gr. 11-12 All Year Prerequisite: Spanish II

Spanish IV - Students will continue to broaden their skills in conversation, reading, and writing. Students will be introduced to new verb forms, and more advanced grammatical structures. Using magazines, internet sources, and other readings in Spanish, students will broaden their understanding of Spanish culture, civilization, and literature. Much emphasis will be placed on fine tuning advanced grammar skills in preparation for college placement tests.
Gr. 12 All year Prerequisite: Spanish III

MATHEMATICS

All University of Wisconsin colleges currently require 3 years of math with a minimum of Algebra II to fulfill university entrance requirements. Since requirements vary for technical colleges, public and private colleges, students are encouraged to check for specific information in the Guidance Office early in their high school careers.

Miscellaneous:
The use of calculators varies with each course in the math department. Even within each course, calculators may be used for some units and not for others. Classroom calculators are available, but students are encouraged to purchase their own basic, scientific calculator. Graphing calculators are only recommended for students in Algebra II and beyond. TI 84's are available to purchase through the math department. Use of calculators is allowed on the ACT, SAT, PLAN, PSAT/NMSQT.

Courses offered:
Pre-Algebra - This course emphasizes the ordering and comparing of whole numbers, integers, fractions, and decimals, along with their use in the four basic operations. The concept of the variable and solving one-step equations is introduced. Students will also calculate various measurements and determine the basic properties of geometric figures.
Gr. 9-12 All Year Prerequisite: Placement determined by grades and test scores

Algebra A - will begin with a review of the topics covered in Pre-Algebra. Students will continue in their study of expressions, equations, inequalities, and radicals. Geometry applications will be found in basic angle properties, special sums of angle measures, and properties of parallel lines and area and perimeter of geometric figures.
Gr. 9-12 All Year Prerequisite: Placement determined by grades and test scores

Algebra B - will begin with a review of the topics covered in Algebra A. Students will study linear systems of equations and inequalities, exponential relationships, quadratic equations, polynomials and factoring, rational equations, and radicals.
Gr. 10-12 All Year Prerequisite: Algebra A

Algebra I - This course includes the writing and graphing of linear equations, the study of the properties of the real number system (and the introduction of the imaginary number), and the development of skills in solving equations, inequalities, and systems. Students explore polynomials, rational expressions, radicals, and quadratic functions. Multi-step area, perimeter, and volume problems are the geometric focus.
Gr. 9 All Year Prerequisite: Placement determined by grades and test scores

Geometry - is the building of a mathematical system from basic undefined terms to a complete set of postulates and theorems pertaining to plane and solid figures.
Gr. 9-12 All Year Prerequisite: Algebra 1 OR Algebra A and B

Statistics - is a semester math course that deals with the collection, analysis, interpretation, and presentation of masses of numerical data. The course will emphasize group interaction along with computer and media integration. This course will satisfy a portion of the 3 credits of math required for graduation.
Gr. 10-12 Semester Prerequisite: Algebra 1 OR Algebra A and B

Algebra II - is a more advanced study of algebra including quadratic systems and functions and an introduction to trigonometry. This course develops a systematic approach to solving problems and will prepare the student for more advanced math. This course may offer transcripted/dual credit through Northcentral Technical College . (Refer to Special Programming Options on Page 32 for more information.)
Gr. 10-12 All Year Prerequisite: Geometry

College Algebra with Applications - will cover those skills needed for success in many areas of post-secondary education. Topics include the real and complex number systems, polynomials, exponents, radicals, solving equations and inequalities (linear and nonlinear), relations and functions, systems of equations and inequalities (linear and nonlinear), matrices, graphing, conic sections, sequences and series, combinations, and the binomial theorem. This class is for the college or technical school bound senior who is not pursuing a math intensive field or the junior who was accelerated in math but has now discovered you do not need or want AP Calculus. It will prepare you for Pre-Calculus and/or your college placement exams. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 All Year Prerequisite: Algebra II

Math for Health Professionals - Following an arithmetic review, this course emphasizes those mathematical skills necessary for success in the nursing field and related health occupations. Emphasis will be placed on computational skills and applications of rational numbers; problem solving skills with ratios, proportions, and percents; basic principles and application of algebra, graphing, and statistics; measurement skills in U.S. Customary and Metric systems as will as apothecary and household systems; and the use of calculators as a tool. **This class is offered via distance learning and is taught by Wisconsin Indianhead Technical College and** offers transcripted credit through Wisconsin Indianhead Technical College . (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Sem. 2 Prerequisite: Algebra 1 OR Algebra A and B

Pre-Calculus - is a study of the functions of trigonometry and analytic geometry. Students who complete this course will be prepared to take a calculus course or any other fifth year advanced mathematics course. Calculator based graphing technology is incorporated.
Gr. 11-12 All Year Prerequisite: Algebra II

Advanced Placement Calculus AB - is a college level calculus course based on the recommendations of the Advanced Placement program Mathematics Committee. Taking the AP exam is optional. (Refer to Special Programming Options on Page 32 for more information.) This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 All Year Prerequisite: 3.0 GPA in Pre-Calculus **and** Math Dept. Recommendation

MUSIC

Band - is comprised of various concert organizations: i.e. **Concert Band** and **Symphonic Band**. (These bands combined make up the marching band.) Members are required to attend all performances and all scheduled lessons. Placement in any band is determined through an audition held in the spring.
Gr. 9-12 All Year Prerequisite: Minimum of 2 years band experience on either a woodwind, brass or percussion instrument

Auditioned Choirs - are comprised of the following concert groups: **Show Choir (grades 9-12)** and **Concert Choir (grades 10-12)**. Placement in these choirs is determined through an audition held in the spring of each year. However, placement into the auditioned choirs is not guaranteed. Members are required to attend all performances and all scheduled lessons.
Gr. 9-12 All Year Prerequisite: Audition

Treble and Men's Choirs - are non-auditioned choirs open to all students in grades 9-12. These choirs fulfill the fine arts requirement as will as prepare students for the auditioned choirs. Members are required to attend all performances and all scheduled lessons.
Gr. 9-12 All Year Prerequisite: none

Music History & Literature - is designed for students who plan on music as a major field of study at the college level. The course deals with the styles of performance and literature from medieval through the present. Must be enrolled in either band or choir concurrently.
Gr. 11-12 Sem. 2 only Prerequisite: Instructor Consent

PHYSICAL EDUCATION & HEALTH

REQUIRED COURSE:
Health - This course includes topics such as the human body structure and function, mental/emotional health and disorders, suicide prevention, chemical use/abuse, tobacco use, diseases, and human growth and development.
Gr. 10 Semester Prerequisite: none

Phy Ed 9/10 - is a required class that provides an opportunity for the development of basic rules, skills, and strategy in a wide range of areas such as individual fitness activities, team sports, and recreational activities. The components of fitness, cardio-vascular endurance, muscular strength, muscular endurance, agility, and flexibility will be promoted and evaluated. Through this course, students will learn WHY and HOW a particular physical activity affects their bodies and their personal health. This course is also designed to promote a positive attitude towards physical activity and good sportsmanship by working with others. The following activities are the basis for this course: Fitnessgram testing, cardio and strength fitness, introduction to the Fitness Room, swimming (stroke refinement), biking, and team sports (soccer, speedball, kickball, ultimate frisbee, volleyball, basketball, Raiderball).
Gr. 9-10 Semester Prerequisite: none

ELECTIVE COURSES:
Adventure in Recreation - may include the following activities: fitnessgram testing, cardio and strength fitness, yard games (bocce ball, bean bags, horseshoes, ladder ball, croquet), archery, gym games (versions of volleyball, badminton, omnikin, tag, scooters), snowshoeing, cross country skiing, biking, table tennis, water games, golf, and disc golf.
Gr. 10-12 Semester Prerequisite: Phy Ed 9/10

Bigger, Faster, Stronger - is geared towards the individuals who would like to improve their performance on the playing field by focusing on the following areas of sports training and competition: Fitnessgram testing; cardio and strength fitness; rest and nutrition; skill, sprint, agility, endurance, flexibility, plyometric, strength (free weights), and competitive sports.
Gr. 10-12 Semester Prerequisite: Phy Ed 9/10

Lifeguard Training - provides entry-level lifeguard participants with knowledge and skills to prevent, recognize and respond to aquatic emergencies and provide care for breathing and cardiac emergencies, injuries and sudden illness. Successful completion of required skills and written exams will result in American Red Cross Lifeguard Certification. **A Red Cross Swim pre-test is required prior to enrolling in the course.** The pre-test consists of the following and will be offered in early Spring:

1) Swim 300 yards continuously (12 lengths) of front crawl or breast stroke;
2) Tread water for two minutes using your legs only;
3) Timed event completed in one minute 40 seconds or less:
   - Start in water, swim 20 yards (face in or out) no goggles;
   - Surface dive (feet or head first) to approximately 7', retrieve 10 pound brick from bottom and return to the surface;
   - Swim 20 yards on back to starting point holding brick in both hands, keeping face at or near surface;
   - Exit water without using ladder or steps.

Gr. 10-12 Sem. 1 Prerequisite: Phy Ed 9/10

Move and Improve - is designed to help you make healthy lifestyle choices. This course will provide a supportive, non-competitive environment where you commit and work toward becoming a more internal, self-motivated person. This course includes the following: weekly timed mile run, resistance bands, pilates, pacer test, fitness gram, biking, lap swimming, water aerobics, fitness center cardio training, and bleacher workouts. Journal writing is also required and will cover topics such as: diet, exercise, water intake, and empty calorie food intake.
Gr. 10-12 Semester Prerequisite: Phy Ed 9/10

Sports Exploration - will include the following activities: fitnessgram testing, cardio and strength fitness, basketball, volleyball, softball, flag football, water polo, soccer, floor hockey, eclipse ball, pickleball, starball, badminton, tennis, table tennis, disc golf, biking and fitness walking.
Gr. 10-12 Semester Prerequisite: Phy Ed 9/10

Just Boys - is designed for any junior or senior boy and may include the following activities: fitnessgram testing, cardio and strength fitness, football, softball, basketball, volleyball, disc golf, speedball, soccer and bowling **(16 times/$35 fee required)**.
Gr. 11-12 Semester Prerequisite: Phy Ed 9/10

Just Girls - is designed for any junior or senior girl and may include the following activities: fitnessgram testing, cardio and strength fitness, tennis, disc golf, volleyball, badminton, eclipse ball, kettle bells, personalized physical activities (power walking, Zumba, self defense, aerobics/pilates/bosu) and bowling **(16 times/$35 fee required)**.
Gr. 11-12 Semester Prerequisite: Phy Ed 9/10

Miscellaneous:

1. Freshmen who fail Phy Ed 9/10 will be required to re-enroll in the class as a sophomore or 2nd semester of the freshman year if possible.
2. During the sophomore, junior and senior years, a student must enroll in a minimum of two one-semester courses in physical education. **It is recommended that students enroll in one phy ed class per year.**
3. Students absent from physical education for excused absences for any length of time will be required to make up the class periods missed within the amount of time determined by the instructor. Unexcused absences cannot be made up for credit.
4. Any student who becomes physically unable to participate in physical education during the course of the school year and receives a written medical note from a medical facility may be required to do one of the following, depending on the length of the limitation and when the disability occurs:
   a. Make up the class periods covered throughout the medical. Failure to do so will result in deduction of participation credit. Make up work will be determined by the instructor.
   b. Drop the current class without credit.
5. Students with medical excuses for one or more semesters must take another course in place of physical education.

PRE-ENGINEERING

For more information on Project Lead The Way (PLTW) courses, refer to Special Programming Options on page 31.

PLTW: Introduction to Engineering Design (IED) - In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.
Gr. 9-12 All Year Prerequisite: none

PLTW:Civil Engineering and Architecture (CEA) -The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. The course provides teachers and students freedom to develop the property as a simulation or to students to model the experiences that civil engineers and architects face. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.
Gr. 10-12 All Year Prerequisite: Geometry (may be taken concurrently)

PLTW: Environmental Sustainability (ES) - The growing market for jobs in biological/environmental engineering is playing a central role in energy and agricultural sustainability solutions. The Environmental Sustainability (ES) course develops students' thinking skills and prepares them for emerging careers through topics such as genetic engineering, biofuels, and biomanufacturing. In ES, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues (genetic engineering), and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.
Gr. 10-12 All Year Prerequisite: Biology (may be taken concurrently)

PLTW: Principles of Engineering (POE) - This survey course of engineering exposes students to some of the major concepts they'll encounter in a post-secondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community..
Gr. 10-12 All Year Prerequisite: Geometry (may be taken concurrently)

PLTW: Engineering Design and Development (EDD) - is the capstone course for PLTW where students work in teams to solve problems of their own choosing. Under the guidance of a community mentor, teams employ all the skills and knowledge gained through previous coursework to brainstorm, research, construct and test a model in real-life situations (or simulations); document their designs; and present and defend the designs to a panel of experts
Gr. 11-12 All Year Prerequisite: IED, POE or ES

SCIENCE

All University of Wisconsin colleges currently require 3 years of science to fulfill university entrance requirements. Since requirements vary for technical colleges, public or private colleges, students are encouraged to check for specific information in the Guidance Office early in their high school careers.

- While the content of each level is similar, the level of skill students practice during each course is different. These skills, such as reading and writing skills, increase in rigor.
- Placement is based on standardized test scores and teacher recommendation.

REQUIRED COURSES:

GRADE 9

Physical Science
Honors Physical Science

First semester consists of basic physics, including energy, electricity, magnetism, machines, and Newton's 3 Laws. Second semester will include basic chemistry, including the atomic model, matter, periodic table, and chemical equations along with units on earth and space science. Throughout the course, problem solving and scientific investigation skills will be stressed.
Gr. 9 All Year Prerequisite: none

GRADE 10

Biology
Honors Biology

Investigates the living world and how it affects our lives. The course content includes: ecology, cells, cell energies, heredity, genetics, classification, evolution, diversity of organisms and structure, and function of plants and animals. The student discovers and learns to appreciate the interrelationships of the various forms of life. Lab activities form the nucleus of this course.
Gr. 10 All Year Prerequisite: Physical Science

GRADE 11

Applied Chemistry
Chemistry
Honors Chemistry

Is a study of substances and how they behave. The student learns to work in the Chemistry laboratory, solve problems, and think critically.
Gr. 11 All Year Prerequisite: Physical Science

ELECTIVE COURSES:

Exploration of Science - is a semester course that will introduce students to the various branches of science through demonstrations and hands-on activities. Areas of study may include: rocketry, gas properties, mapping, light and laser optics, energy transformations, large and small numbers, and other topics of student interest.
Gr. 9-12 Semester Prerequisite: none

Earth and Space Science - This course deals with selected topics in earth and space science. Earth science topics to be covered may include: minerals and rocks, plate tectonics, earth's geologic history, weather and climate, and mapping. Space science topics may include: origin of the universe, the electromagnetic spectrum, star evolution, planets, gravitation, and the history of astronomy.
Gr. 9-12 Semester Prerequisite: "C" or better in Algebra I

Environmental Conservation - emphasizes the management and wise use of various natural resources including fossil fuels and other energy sources, wildlife, soils, water resources, mineral and metal resources.
Gr. 10-12 Semester Prerequisite: none

Food Science I - Why if you are blind folded does food taste different? How do they get those swirls of fudge in ice cream? Is there really bacteria in yogurt? Food science will answer these questions and more. Food science is the study of food, how it is made and packaged. In this science equivalent course you use everyday food practices to more easily explain the basic fundamental science concepts. We will also learn how businesses and career professionals use food science in the real world. Ready to think like a scientist? This class is for you.
Gr. 10-12 Semester Prerequisite: None

Food Science II - Why are some cookies chewy and some crunchy? How do they make bacon bits without using bacon? What is the world is a phytochemical and why would you want to eat one? Love jerky? Discover the science behind dehydration. Wisconsin is the dairy state; do you know how cheese is made? Food Science II, a science equivalent course, will use chemistry and biology to explore the components of food like water, sugar, complex carbohydrates, lipids, proteins, enzymes, micronutrients, and photochemicals. Students will use principles of science to create and package a new food product. The planning of well-balanced diets and nutritional analysis will be emphasized. This course may offer transcripted/dual credit through Northcentral Technical College . (Refer to Special Programming Options on Page 32 for more information.)

Gr. 10-12 Semester Prerequisite: None

Human Anatomy & Physiology - is the basic study of the anatomy and physiology of the human body systems. Laboratory activities form the nucleus of this course. (A fetal pig will be used as a dissection specimen. Geared to college/technical college bound students.

Gr. 11-12 Semester Prerequisite: "C" or better in Biology is recommended.

Botany (Plant Biology) - is the basic study of the anatomy, physiology, and classification of various plant divisions . Lab activities in the greenhouse and classroom form the nucleus of this course. Geared to college/technical college bound students.

Gr. 11-12 Semester Prerequisite: "C" or better in Biology is recommended

Advanced Placement Biology - is a course that covers in greater scope the concepts, knowledge, and skills introduced in Biology at MASH. This course is designed to offer students topics that are covered in a freshman biology course at the university level. Greater amounts of time and effort are expected on the part of the student. Reading requirements for the course are rigorous and require a daily commitment in order to stay engaged in the class. Laboratory activities suggested by the College Board are conducted to give the student a fair representation of a university-level biology course. In addition to the College Board laboratories, additional activities/labs will supplement the different units effectively. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 11-12 All Year Prerequisite: minimum GPA of 3.0 in Biology; and Chemistry (may be taken concurrently)

Medical Terminology - is designed for students interested in medical fields. Using the word-building system, this course teaches students to pronounce, define, build, spell and analyze medical terms. This course is based on the anatomy and physiology of the human body's systems. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)

Gr. 11-12 Semester Prerequisite: "C" or better in Biology is recommended.

Honors Physics - includes studies in matter and energy, forces and motion, wave motion, light, electricity, and electronics.

Gr. 11-12 All Year Prerequisite: "C" or better in Algebra II

Advanced Placement Chemistry - is a course that covers in greater scope the concepts, knowledge, and skills introduced in Chemistry at MASH. This course is designed to offer students topics that are covered in a freshman chemistry course at the university level. Greater amounts of time and effort are expected on the part of the student. Reading requirements for the course are rigorous and require a daily commitment in order to stay engaged in the class. Laboratory activities suggested by the College Board are conducted to give the student a fair representation of a university-level chemistry course. In addition to the College Board laboratories, additional activities/labs will supplement the different units effectively. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 12 All Year Prerequisite: minimum GPA of 3.0 in Chemistry; and Algebra II (may be taken concurrently)

SOCIAL STUDIES

- While the content of each level is similar, the level of skill students practice during each course is different. These skills, such as reading and writing skills, increase in rigor.
- Placement is based on Standardized Test Scores and teacher recommendation.

REQUIRED COURSES:

GRADE 9

Human Geography
Advanced Placement Human Geography

Introduces students to how we organize space and society and how we make sense of others and ourselves in our localities, regions, and the world. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. In addition, students will think about and interpret maps. They will understand the association among phenomena in different places. Students will also interpret the relationships among patterns and processes as it relates to different areas. Finally, they will define regions and characterize and analyze the changing relationships between place. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 9 All Year Prerequisite: none

GRADE 10

US Government and Politics
Advanced Placement US Government and Politics

Will give students a logical viewpoint on government and politics in the United States. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples to highlight those concepts. It also requires familiarity with the various documents, institutions, groups, beliefs and ideas that comprise U.S. government and politics. Students will become familiar with the variety of viewpoints and explanations for various behaviors and outcomes amongst citizens and the government that represents them. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 10 All Year Prerequisite: none

GRADE 11

United States History
Advanced Placement United States History

Chronologically examines the history of the United States, beginning with Pre-Columbian Societies and early inhabitants of the Americas and culminating with present-day American issues. Themes within the course curriculum include American Diversity, American Identity, American Culture, Demographic Changes, Economic Transformations, Environment, Globalization, Politics and Citizenship, Reform, Religion, Slavery and its Legacies, and War and Diplomacy. Students will be introduced to a wide range of primary and secondary source materials as a means of investigation, analysis, understanding of United States History. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 11 All Year Prerequisite: none

ELECTIVE COURSES:

U.S. Military History - focuses on the international affairs of the United States during the 18th, 19th, and 20th Centuries. Through the study of America's Wars, including the American Revolution, the American Civil War, World War I, World War II, Korea and Vietnam, this course will analyze the social, political, and international impact of these wars on the United States.

Gr. 11-12 Semester Prerequisite: none

Intro to Sociology - is devoted to the study of the structure of social life; the way groups are put together, and the way they function. It will also explore the three major philosophical views pertaining to the study of society, the Conservative, Social Democrat and Libertarian points of view.

Gr. 11-12 Semester Prerequisite: none

Intro to Psychology - is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice.

Gr. 11-12 Semester Prerequisite: none

Abnormal Psychology - is designed to explore historical views and current perspectives of abnormal behavior. Abnormal Psychology will emphasize major diagnostic categories and criteria, individual and social factors of maladaptive behavior, and types of therapy. The course will also include methods of clinical assessment and research strategies.

Gr. 11-12 Semester Prerequisite: Intro to Psychology OR Advanced Placement Psychology

Advanced Placement Psychology - is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice. Taking the AP exam is optional. (Refer to Special Programming Options on page 32 for more information.)

Gr. 11-12 All Year Prerequisite: none

Economics - is a survey of the features that shape our economy including the role of choices and the forces of supply and demand. The class will study markets, labor, money and banking, taxes, and government spending.

Gr. 11-12 Semester Prerequisite: none

TECHNOLOGY EDUCATION

Introduction to Technology A - introduces students to manufacturing processes involving woods. Students are also introduced to transportation technologies, including internal and external combustion engines, aerodynamics, and map reading. Problem solving, planning, drawing and design, measurement, quality control and safety are all stressed as students design and build products in wood.

Gr. 9-10 Semester Prerequisite: none

Introduction to Technology B - introduces students to manufacturing process involving welding, plastics, problem solving, communication technologies, electronics and design with Auto CAD.

Gr. 9-10 Semester Prerequisite: none

Computer Aided Machining (CAM) - will use AUTODESK INVENTOR PROFESSIONAL to three dimensionally design parts and projects of their choosing. Students will then use the rapid prototype 3D printer to manufacture the part and projects.

Gr. 10-12 Semester Prerequisite: none

Metal Manufacturing I - covers the basic metal machinery fundamentals with practice in using the drill press, plasma cutter, cutting saws, lathes, and milling machine. This course will also present the basic fundamentals of welding with practice in arc, gas and wire-feed welding.

Gr. 10-12 Semester Prerequisite: none

Small Engines - covers both 2-stroke and 4-stroke cycle engines. Includes disassembly, inspection, reassembly, maintenance, and troubleshooting of small engines. Students will also learn how to measure with a caliper and micrometer.

Gr. 10-12 Semester Prerequisite: none

Wood Manufacturing - studies and performs machine operations. Required projects stress quality construction through mass production.

Gr. 10-12 Semester Prerequisite: Intro to Tech A or B

ABC's of the Automobile - provides a simple, basic approach to understanding the modern automobile. The class will provide lifetime benefits and skills to students. Simple repair and maintenance procedures will be demonstrated. Students will experience hands-on related activities in the lab. Students enrolled in this course **DO NOT** need to have their own vehicle they can work on.

Gr. 11-12 Semester Prerequisite: none

Auto Mechanics studies the operating principles of the major components of the auto. Emphasis is on auto maintenance and test procedures. This class is intended for students who want to learn simple maintenance and repair procedures. Students should choose between this class and ABC's of the Auto. Students cannot take ABC's of the Auto after taking this class.
Gr. 11-12 Sem. 1 or 2 Prerequisite: none

Cabinet Making - covers advanced machine operations on furniture projects of the student's own choosing. Stresses good craftsmanship.
Gr. 11-12 Semester Prerequisite: Wood Manufacturing

High Mileage Vehicle - Students research, design and develop a single person, fuel efficient vehicle, powered by a single cylinder, 4-stroke engine. The students attend and test their vehicle in a competition at UW-Stout in the spring.
Gr. 11-12 All Year Prerequisite: Small Engines and Metal Manufacturing is highly recommended

Metal Manufacturing II - includes advanced welding and machining procedures. Units covered will include: reading weld symbol and prints; overhead, vertical and horizontal arc welding positions; and TIG welding. Students will choose their own project. This course may offer transcripted/dual credit through Northcentral Technical College. (Refer to Special Programming Options on Page 32 for more information.)
Gr. 11-12 Semester Prerequisite: Metal Mfg I

Building Construction - includes reading plans, estimating materials, carpentry, wiring, plumbing, masonry, and cabinetry. This course provides students with job entry level skills. **(2 credits - 2 hours/day)**
Gr. 12 All Year Prerequisite: Wood Manufacturing and Cabinet Making

WORK-BASED LEARNING

Agriculture Youth Apprenticeship - Plant Science/Animal Science - is a one or two year program where students spend 10 hours per week at a local farm in the community earning a minimum wage while learning about Agriculture. While participating in the program, students will be required to enroll in Animal Science. Interested students should pick up an application in the guidance office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisite: Exploring AgriScience

Automotive Collision Youth Apprenticeship - is a one or two year program where students spend 10 hours per week the first year and 15 hours per week the second year working at a local shop in the community earning a minimum wage while learning about basics of auto collision repair, refinishing and trim, panel preparation and repair, and structural analysis and mechanical repair. Interested students should pick up an application in the guidance office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisite: Metal Manufacturing

Automotive Technician Youth Apprenticeship - is a one or two year program where students spend 10 hours per week the first year and 15 hours per week the second year working at a garage in the community earning a minimum wage while learning about automotive servicing basics, vehicle maintenance, electrical/electronics, brake systems, and engine performance. Interested students need to pick up an application in the guidance office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisite: Metal Manufacturing

Finance Youth Apprenticeship - is a one or two year program where students spend 10 hours per week the first year and 15 hours per week the second year working at a local financial institution in the community learning about Tellering Functions, Support Services, Lending, and Products and Services. Interested students should pick up an application in the Guidance Office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisites: None

Health Youth Apprenticeship - is a one or two year program where students spend 10 hours per week the first year and 15 hours per week the second year working at a local business in the community earning a minimum wage while learning about the fundamentals of client care. Students will be required to enroll in Medical Terminology I and Anatomy and Physiology. Interested students should pick up an application in the guidance office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisite: Certified Nursing Assistant (CNA)

Manufacturing and Machining Youth Apprenticeship - is a one or two year program where students spend 10 hours per week the first year and 15 hours per week the second year working at a local business in the community earning a minimum wage while learning about manufacturing fundamentals, machine tool concepts, and be introduced to cnc and manufacturing careers. Students will be required to enroll in Computer Aided Machining while participating in the program. Interested students should pick up an application in the guidance office. Students will be interviewed by a prospective employer prior to being accepted into the program.
Gr. 11-12 All Year Prerequisite: Metal Manufacturing

Mentorship - provides students with the opportunity to explore career options in a real world setting. Students **must** complete an application. Acceptance into the program is determined by previous school records, attendance history, and job site availability. Any student who was absent more than 10 days during the previous school year must have special approval by the program coordinator.
(1 credit - 2 hours/day)
Gr. 12 Semester Prerequisite: none

MASH Employment Partnership - is a year-long program open to seniors interested in obtaining work skills or who are interested in going directly to work after graduation. Students will learn work skills while gaining high school credit and earning a wage. This option requires students to attend regular classes throughout the morning and spend the remainder of the school day at a work site. Acceptance into the program is determined by previous school records. Students must apply for this program during the spring of their junior year. Placement in this program is dependent on work site availability.
Gr. 12 All Year Prerequisite: none

Teacher Assistant - provides students with the opportunity to work closely with a teacher in a subject area of special interest or ability. Each student will be matched with an individual high school teacher and will work as an in-class assistant.
Gr. 12 Semester Prerequisite: Instructor Consent

SPECIAL PROGRAMMING OPTIONS

What Is Project Lead the Way (PLTW)?
The PLTW Pathway To Engineering (PTE) program is a sequence of courses, which follows a proven hands-on, real-world problem-solving approach to learning. Throughout PTE, students learn and apply the design process, acquire strong teamwork and communication proficiency and develop organizational, critical-thinking, and problem-solving skills. They discover the answers to questions like how are things made and what processes go into creating products? Students use the same industry-leading 3D design software used by companies like Intel, Lockheed Martin and Pixar. Students apply biological and engineering concepts related to biomechanics – think robotics. They design, test and construct devices while working collaboratively on a culminating capstone project. It's STEM education and it's at the heart of today's high-tech, high-skill global economy.

Pathway To Engineering - MASH Engineering Program
- IED – Introduction to Engineering Design (Tech Ed Department)
- POE – Principles of Engineering (Tech Ed Department)
- ES – Environmental Sustainability (Science Department)
- EDD – Engineering Design and Development (Science Department)
- CEA - Civil Engineering and Architecture (Tech Ed Department)

How Does a Student Become Eligible for Credit?
Any student from a PLTW-certified school who has met the following requirements is eligible for college-level credit.
- The student's high school is a certified PLTW program.
- The student has earned a class grade of 85% or higher on any PLTW courses.
- Score a 7 or higher on the End of Course Assessment
- Students at MASH can earn credit in IED, POE , ES or CEA.

Advanced Placement (AP) classes are currently offered in the following subject areas: Studio Art, English Language/Composition, English Literature/Composition, Calculus AB, Biology, Chemistry, Human Geography, US Government, US History, and Psychology. [See individual department listings for class descriptions.] These courses are a component of the district's Gifted and Talented Program.

Medford's A.P. classes are part of a national program sponsored by the College Board. While local teachers design the courses offered at Medford, students may opt to complete a nationally offered test in May, except for AP Studio Art where students would submit a portfolio. Successful completion of this examination may earn a student three to six college credits, depending upon the individual college.

Since the A.P. classes are taught with college-level content in the high school, students should know that these courses require more intensive study and increased amounts of homework than a typical high school class. A.P. students and their parents need to consider the time obligations of these classes balanced against other high school classes, jobs, and co-curricular activities. Only students interested in challenging themselves should enroll in an A.P. class.

Transcripted Credit (Dual Credit) courses are taught by high school instructors and are of college level integrity and rigor. In addition to high school credit, juniors and seniors have the option of receiving technical college credit upon completion of the course. Exceptions may be made for sophomores on an individual basis. An official transcript with the grade(s) and credit(s) will be on record at the technical college. The following courses may offer transcripted credit:

MASH Course	College	College Course	Course Number	College Credits
Dairy Production	NTC	Intro to Animal Science	10-091-104	3.0
Veterinary Science	NTC	Medical Terminology-Vet 1	10-091-172	3.0
Digital Art	NTC	Digital Photography	10-204-135	3.0
Lights, Camera, Action	NTC	Digital Video	10-204-118	3.0
Accounting III/IV	NTC	Accounting 1	10-101-111	4.0
Computer Prog w/Javascript	NTC	Intro to Programming	10-152-310	3.0
Marketing II (Pending)	NTC	Marketing Principles	10-104-172	3.0
Web Site Development	NTC	Web Design 1	10-152-211	3.0
Culinary Arts (Pending)	NTC	Sanitation for Food Service Operations	10-316-100	2.0
Found of Early Childhood Dev	NTC	ECE: Foundations	10-307-148	3.0
Infant & Toddler Development	NTC	ECE: Infant & Toddler	10-307-151	3.0
Algebra II	NTC	Intermediate Algebra w/Appl	10-804-118	4.0
AP Calculus AB	NTC	Calculus 1	10-804-198	4.0
College Algebra with Appl	NTC	College Algebra with Appl	10-804-195	3.0
Math for Health Professionals	WITC	Math for Health Professionals	10-804-138	2.0
Food Science II (Pending)	NTC	Nutrition	10-316-107	2.0
Medical Terminology	NTC	Medical Terminology	10-501-101	3.0
Metal Manufacturing II	NTC	Intro to Welding	10-422-101	2.0

Distance Learning classes are offered in various subjects. (See individual department listing for class descriptions.) For more information regarding distance learning classes, please contact your guidance counselor. If the student receives a failing grade in a course or fails to complete a course, the student's parent/guardian, or the student, must reimburse the school district the amount paid by the school district on the students behalf.

On-Line Courses are a component of the district's Gifted and Talented Program. These courses are available to juniors and seniors that have exhausted course offerings at MASH. Enrollment in an on-line course requires approval of the principal and guidance counselor. A student can enroll in a maximum of two (2) A.P. on-line courses per semester. If the student receives a failing grade in a course or fails to complete a course, the student's parent/guardian, or the student, must reimburse the school district the amount paid by the school district on the students behalf.

Independent Study provides individual students with the option of exploring topics of special interest in any department or when necessary to resolve scheduling conflicts. Requires approval of instructor, principal, guidance counselor, parent/guardian and student.
Gr. 11-12 Semester Prerequisite: Department Specific

SPECIAL EDUCATION PROGRAMMING

Medford Area Senior High provides academic courses for students in special education. Placement in any special education program is contingent upon a full and comprehensive evaluation and the IEP team's conclusions with regard to the student's need for special education due to a handicapping condition(s). Scheduling for individual courses is accomplished with the assistance of the special education teachers responsible for that program. Courses are dependent upon the student's individualized education plan. Services may be provided within the regular classroom setting with no special education support, with special education support, or in a class taught by a special education teacher. As a part of their transition from school-to-work, students may be placed at a worksite during their junior and/or senior years.

COMMON GRADING SCALE

Letter grades will be earned using the following common grading scale.

A	93 – 100%	B-	80 – 82.99%	D+	67 – 69.99%
A-	90 – 92.99%	C+	77 – 79.99%	D	63 – 66.99%
B+	87 – 89.99%	C	73 – 76.99%	D-	60 – 62.99%
B	83 – 86.99%	C-	70 – 72.99%	F	0 – 59.99%

STUDENT EVALUATION

Medford Area Senior High School uses letters for grades. The point values (except for weighted) are as follows:

A	=	4.00 points	C-	=	1.67 points
A-	=	3.67 points	D+	=	1.33 points
B+	=	3.33 points	D	=	1.00 point
B	=	3.00 points	D-	=	.67 points
B-	=	2.67 points	F	=	0 points - indicates failure
C+	=	2.33 points	I	=	0 points - indicates incomplete work
C	=	2.00 points	E	=	.33 points - indicates passing on effort

An "I" is changed to a failure if the work is not completed within two weeks, or for exceptional cases, within an amount of time agreed upon by the teacher.

For the 2016-2017 school year, all AP classes as well as Honors Physics have been designated as weighted. Students will receive one additional grade point for these courses (A=5.0, A- = 4.67, B+=4.33, B = 4.0, B-=3.67, C+=3.33, C=3.0, C-=2.67, D+=2.33, D=2.0, D-=1.67, F=0, E=.33). If a student's need dictates the offering of a fifth year course in either French or Spanish, that class will be weighted.

Courses will not be weighted if taken by correspondence, independent study, on-line or as summer enrichment unless prior approval is granted by the department involved and the principal.

HONOR ROLL

In determining the honor roll, the grades of all subjects are included. The grade point average, as shown on the report card, is used in listing the honor rolls as follows:

Academic Distinction: 3.800 GPA and higher based on current semester grades
High Honors: 3.500-3.799 GPA based on current semester grades
Honors: 3.000-3.499 GPA based on current semester grades

Students who earn placement on "Academic Distinction or High Honors" for two semesters, accumulated anytime during their Medford Area Senior High School career, will receive an academic letter award. A letter "M" will be awarded for the first two semesters of achievement; subsequent two semester blocks of achievement will be recognized by stars to be pinned on the letter.

ACADEMIC AWARDS

Cum laude is a Latin term that means with honor. It is used to refer to students who have met high academic standards and taken challenging and rigorous coursewook. There are three honors that are bestowed on graduates: Cum Laude which means with honors, Magna Cum Laude which means with great honor, and Summa Cum Laude which means with greatest honor.

In order to receive the Cum Laude award, a student must achieve the following:

1. Cum Laude: 3.500-3.799 grade point average
   Magna Cum Laude: 3.800 - 3.999 grade point average
   Summa Cum Laude: 4.000 and high grade point average

2. Take 10 semester of honors or AP courses. Prorated for the following graduating classes:
   2017 - 8 semesters of honors or AP courses
   2018 and subsequent classes - 10 semesters of honors or AP courses

Graduating seniors who have earned a Cum Laude award will be given a corresponding medal to wear at graduation.

Per the Wisconsin Department of Public Instruction, weighted grades, as provided for in the district policy, will be used to determine grade point average for the Wisconsin Academic Excellence Higher Education Scholarship. Annually, at the end of first semester and before February 15, the Board of Education shall select two seniors with the highest grade point averages in all subject areas completed during grades 9-12. All courses completed will be included in the grade point average.

PREPARING FOR A 4 YEAR COLLEGE/UNIVERSITY

Which courses should I take in high school?
Students graduating from high school will be required to take a minimum of 17 high school credits, distributed as follows:

English	4 credits
Mathematics	3 credits
Social Science	3 credits
Natural Science	3 credits
	13 credits
Academic Electives	4 credits
Total core college preparatory credits	17 credits

Elective credits must be chosen from the above core college preparatory areas, foreign language, fine arts, computer science, and other academic areas. Some UW System institutions may also accept vocational courses for some of the four (4) elective credits.

Some careers require more courses in special areas. For example: if you would like to major in engineering, you should take four years of mathematics, as well as chemistry, physics and computer science. Other majors such as business, allied health, agriculture and many more, also require additional high school preparation. Your counselor can help you decide which courses beyond the required college prep courses are right for you.

Do I need to take Foreign Language in high school for college?
UW-Madison and some private colleges require a minimum of two credits of a single foreign language. Students planning to attend a four-year college should be aware of foreign language requirements. Some colleges may offer retro credits for students who score accordingly on placement tests. For more information see your guidance counselor, consult the Introduction to the University of Wisconsin System book available in the guidance office or the University of Wisconsin Help website at www.uwhelp.wisconsin.edu.

What do I have to do to be admitted?
You need to graduate from high school, complete the course requirements outlined in this brochure, earn good grades, and take the American College Test (ACT). Depending on your chosen college, the SAT may be required.

PREPARING FOR VOCATIONAL-TECHNICAL COLLEGE

The Wisconsin Technical College System provides a broad range of programs and career opportunities. To prepare for these programs students should generally follow the 4-year college preparatory program in high school. However, students should take the high school technical classes related to their areas of career interest. Technical schools are expecting all entering students to have a solid technical skills background and a solid academic (math, English, science, social studies) foundation. Students should talk to their individual counselor and to the specific vocational/technical teachers about the programs in which they are interested. The entrance requirements and recommended high school courses vary so much from school to school and program to program that we have not listed them here.

Some of the technical college programs fill up very fast. Students who are interested in these programs and who meet the admission requirements are encouraged to apply at the end of their junior year of high school. However, some schools do not accept applications until the fall of your senior year. See specific college catalogs or ask in the guidance office for more information.

THINKING ABOUT THE ARMED FORCES

If you are thinking about the Armed Services as a lifetime career or simply enlisting for one term, you may consider taking the ASVAB (Armed Services Aptitude Battery). The ASVAB is an exam used by the military to help place students into different career areas. This test is available to Juniors and Seniors. Military recruiters schedule regular visits at the high school. If you want more information regarding any branch of the military stop in the guidance office.

NON-DISCRIMINATION

The Medford Area Public School District does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion, or handicap.