

Malcolm High School



Registration Handbook 2017-18

Registration Handbook 2017-18

This handbook is designed to help our students make wise decisions regarding their educational experience at Malcolm High School. Important information such as graduation requirements and course offerings (including pre-requisites) are included. Please read the handbook carefully.

Students will meet annually with the school counselor to create and monitor a four-year educational plan that will adequately prepare them for post-secondary options. Students are encouraged to share and discuss their four-year plan with their parents.

Students needing schedule changes after initial registration should notify the school counseling office. The counselor, all teachers involved, and the parents must agree to all schedule changes. Decisions will be determined on an individual basis taking into consideration such factors as class size, the potential disruption to other classes, and the academic benefit to the student. No schedule changes will be made after the first four days of the semester. The principal reserves the right to make the final decision on any schedule change.

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MALCOLM PUBLIC SCHOOL GRADUATION REQUIREMENTS

A student must pass a minimum of 240 credit hours which must include:

CONTENT AREA	REQUIRED COURSES	CREDIT HOURS REQUIRED
Language Arts	English 9, 10, 11, 12	40
Mathematics	Algebra I	30
Science	Biology	30
Social Science	American Government American History Economics	30
Career & Technical Education	Business Communications Any computer literacy course Other Family & Consumer Science, Computer/Business, or Industrial Technology courses	30
Fine Arts	N/A	10
Foreign Language	Any language course	5
Health	Health 1 and Health 2	10
Physical Education	PE 9 & PE 10	10
Electives		45
TOTAL		240

STUDENTS TRANSFERRING FROM OTHER SCHOOLS:

All students new to Malcolm High School should register with a parent or legal guardian present. A student's transcript will be evaluated and a plan developed leading to high school graduation.

Malcolm Public School		
Grading Scale		
A	4.0	93-100
B+	3.5	89-92
B	3.0	85-88
C+	2.5	81-84
C	2.0	77-80
D+	1.5	73-76
D	1.0	69-72
F	0.0	68 and below
I	Incomplete	
P	Passing	
F	Failing	
WP	Withdrew Passing	
WF	Withdrew Failing	



Malcolm Public School

4-Year Plan



Student Name _____

Graduation Year _____

9 th Grade Year			
First Semester	Credits Earned	Second Semester	Credits Earned
English 9		English 9	
Civics		Government	
Math _____		Math _____	
Earth Science		Earth Science	
PE 9		Health I	
Info Tech Apps I		Reading/Writing	
CREDITS EARNED		CREDITS EARNED	

10 th Grade Year			
First Semester	Credits Earned	Second Semester	Credits Earned
English 10		English 10	
American History		American History	
Math _____		Math _____	
Biology		Biology	
PE 10		Health II	
Spanish I		Spanish I	
CREDITS EARNED		CREDITS EARNED	

11 th Grade Year			
First Semester	Credits Earned	Second Semester	Credits Earned
English 11		English 11	
World History		World History	
Math _____		Math _____	
Science: _____		Science: _____	
CREDITS EARNED		CREDITS EARNED	

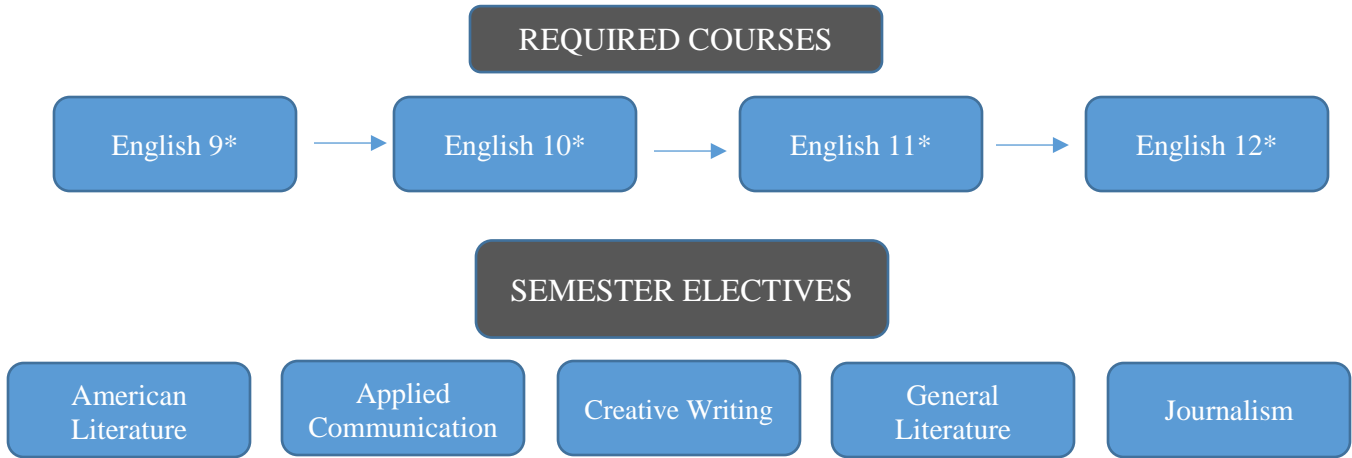
12 th Grade Year			
First Semester	Credits Earned	Second Semester	Credits Earned
English 12		English 12	
Economics		Business Comm.	
Math _____		Math _____	
CREDITS EARNED		CREDITS EARNED	

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Cumulative Credits Earned				
Cumulative GPA				

Malcolm Public School Course Offerings

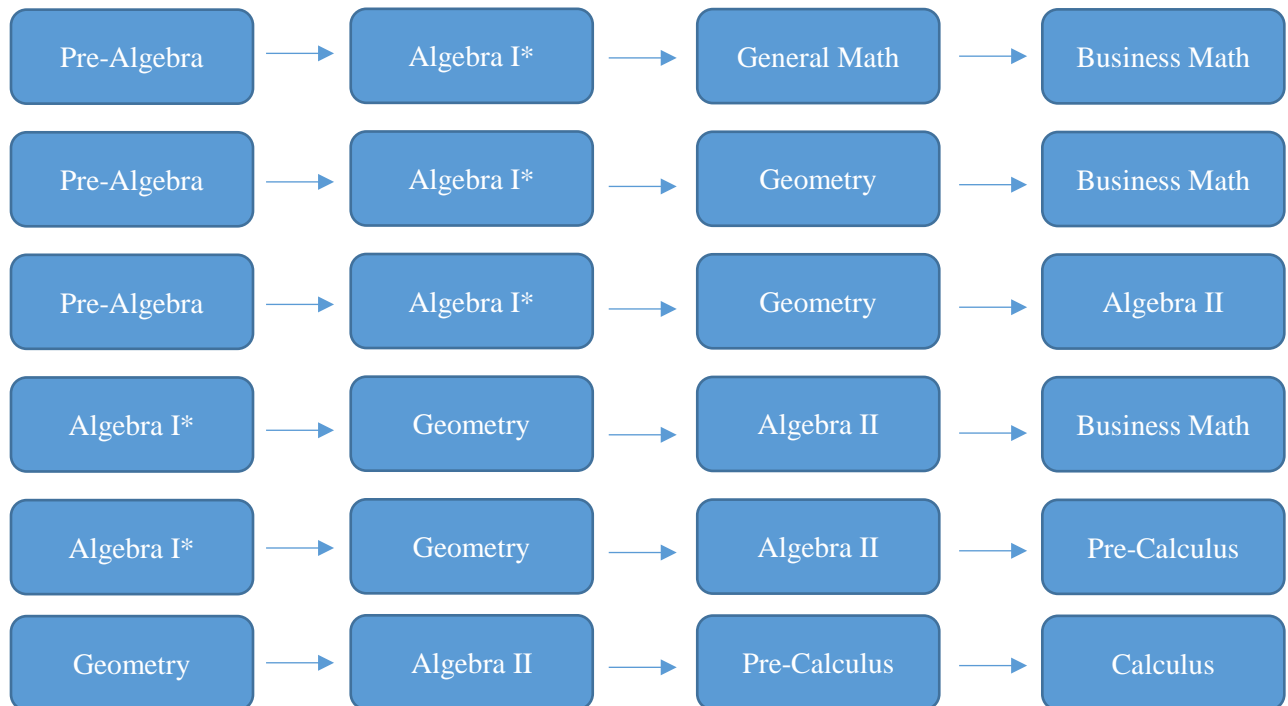
Here is a master list of possible course offerings and the sequence of such courses. Elective classes may not be offered every semester or year. Please read the course descriptions that follow for more specific information. Required courses are noted with an asterisk *.

Language Arts Program - 40 credits required



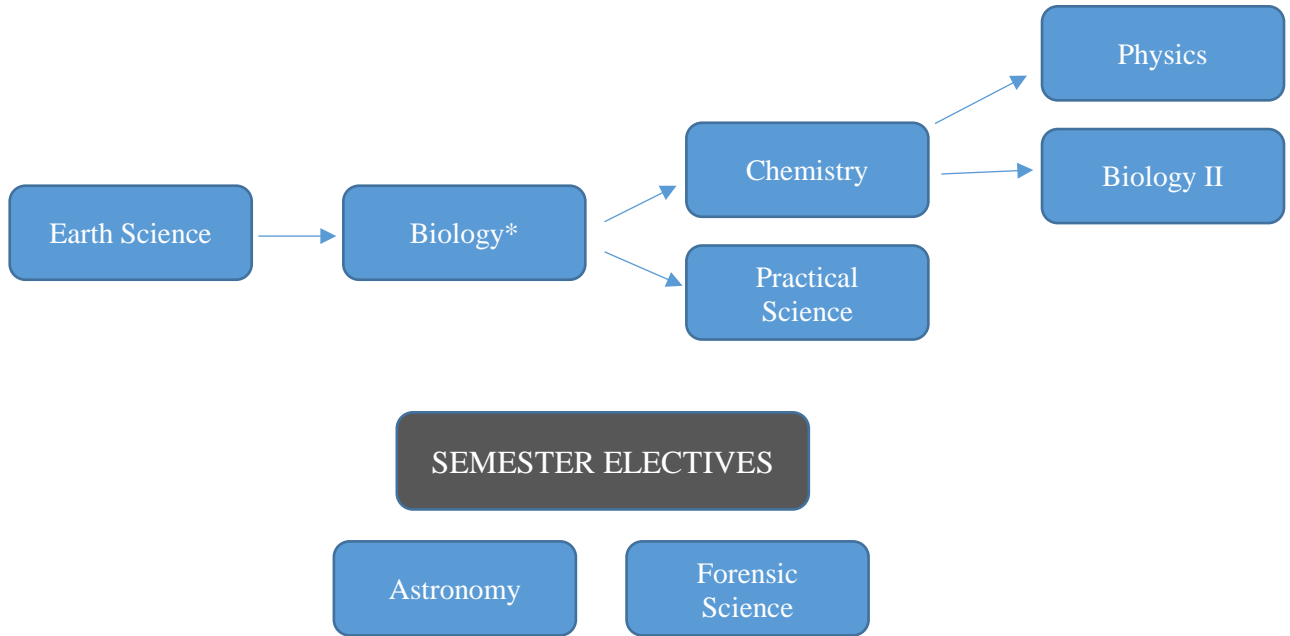
Math Program - 30 credits required

Students will be placed in the level of math for which they are prepared to complete successfully based upon Junior High math grades, testing, and teacher input. Possible sequences include:

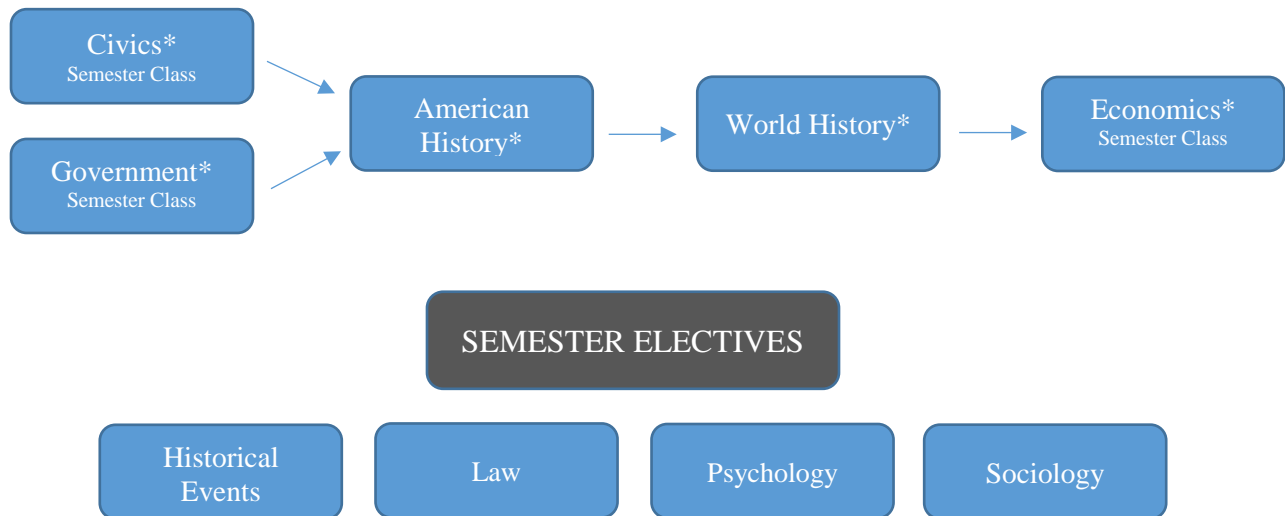


Algebra I taken in 8th grade

Science Program - 30 credits required



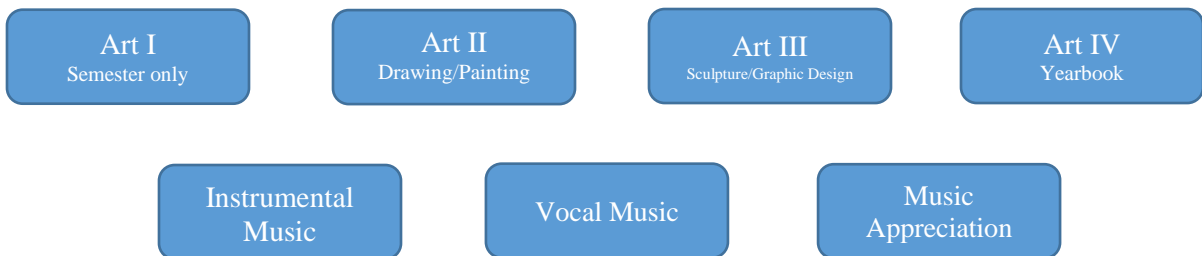
Social Studies Program - 35 credits required



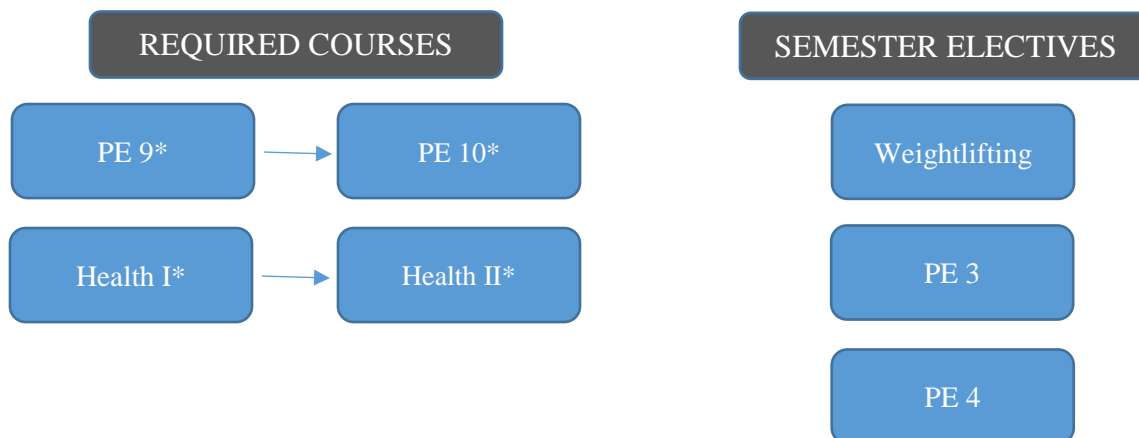
Foreign Language Program - 5 credits required



Fine Arts Program - 10 credits required

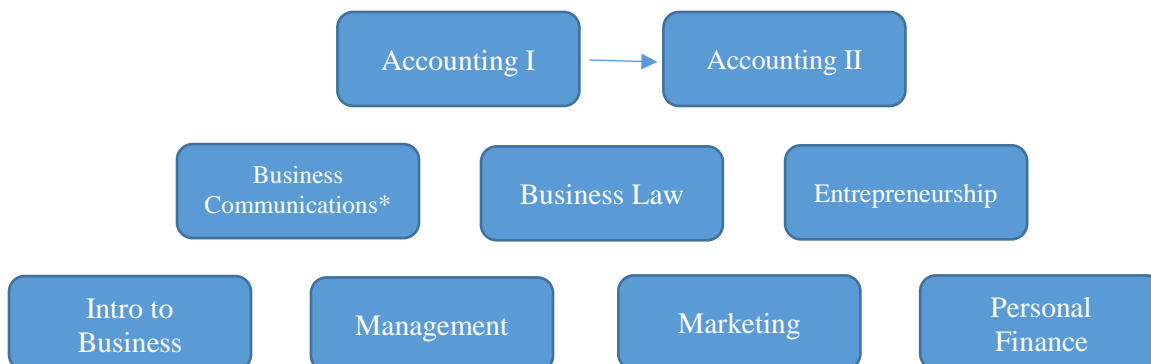


PE & Health Program - 20 credits required

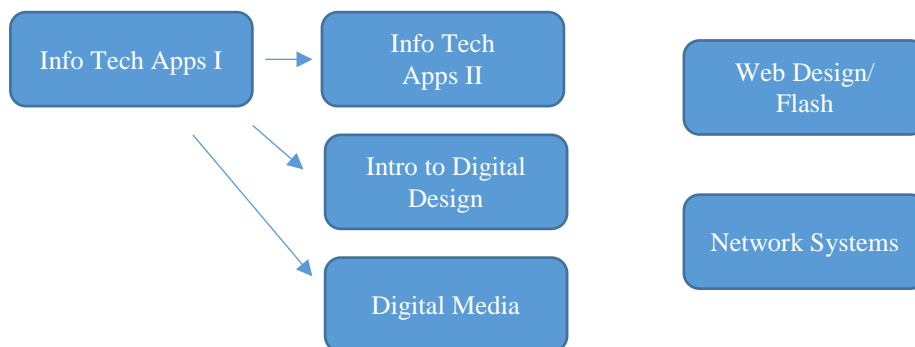


Career and Technical Education Program – 30 credits required

Business Courses:



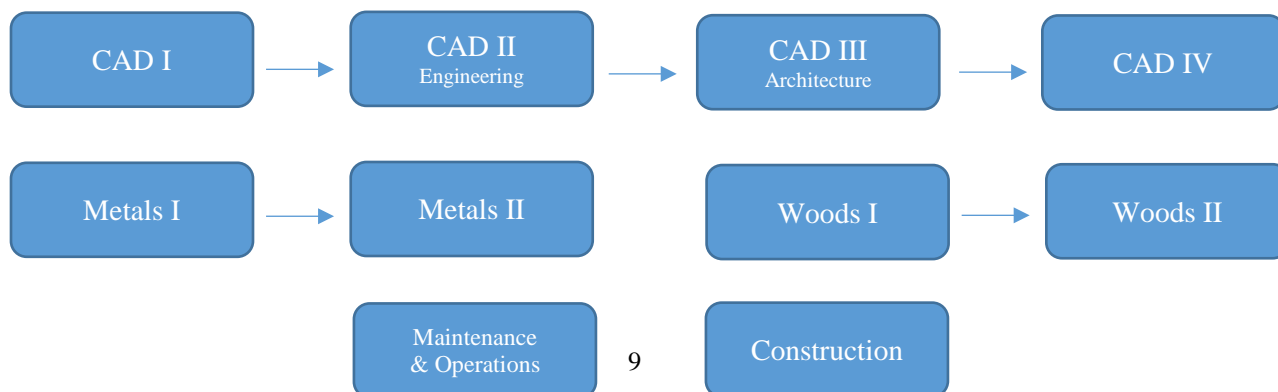
Computer Courses:



Family and Consumer Science (FCS):



Industrial Technology (IT):



Other Courses Available:

OdysseyWare

This self-paced program is used as a credit-recovery system or when there is a conflict with a student's schedule. A variety of courses are available and the information is delivered online.

Virtual High School (VHS)

VHS is utilized to provide high school credit classes we are unable to offer here at MPS. The number of seats available per semester is limited and must be approved by the principal.

SENCAP (SouthEast Nebraska Career Academy Partnership)

Southeast Community College provides college credit courses and career academy opportunities to area junior/senior students. Some classes are offered online and some require face-to-face meetings. Please see the counselor for a current list of academies and offered courses. In addition to the college class, students must complete an online career portfolio. Students receive high school credit for the career portfolio piece.

College Courses

Junior/senior students who have proven they are capable of college-level work will be granted time to take college courses online. Malcolm students have utilized UNL Nebraska NOW, SCC, Peru State, and NCTA-Curtis. Other college partnerships are possible upon timely request. In many cases, a certain GPA or ACT score is required before a student is able to take a college course in high school. No high school credit is given at MPS for college courses.

Teacher Aide

Teacher aide opportunities are available to junior/senior students who are in good academic standing and who have proven responsible in performing possible TA tasks. TA's must report to their assigned teacher each day and will be given a grade and 2.5 credits at the end of each semester.

Work Experience

This is available to senior students only who are in good academic standing and who show the need for a work experience. The counselor has an agreement the student, parent, and principal must all agree to.

Malcolm Public School

9-12th grade Course Descriptions

LANGUAGE ARTS

ENGLISH 9 (2 semesters)

5 credits per semester

The course includes a research unit which includes a survey of library skills, research techniques, research paper development, culminating in the writing of a research paper; a unit of study of grammar, syntax, and vocabulary; a unit of study of Greek Mythology including The Odyssey.

ENGLISH 10 (2 semesters)

5 credits per semester

This course will include vocabulary, the study of poetry, short stories by Edgar Allan Poe, a full-length play by Shakespeare, a final study of modern short stories and their elements. The course includes a writing unit culminating in a research paper, expository writing, persuasive writing, and narrative writing; a unit on grammar is also a semester long study.

ENGLISH 11 (2 semesters)

5 credits per semester

This course is a survey course designed for students wanting a basic, comprehensive course of study. Units of study will include vocabulary, the mechanics of punctuation and capitalization, summary writing and writing for analysis, and literature. The literature study will include the areas of poetry, the short story, drama, and the novel. This course also include a research unit which includes a survey of library skills, research techniques, and research paper development, culminating in the writing of a research paper.

ENGLISH 12 (2 semesters)

5 credits per semester

This course will include vocabulary, the study of short stories by classical authors, and a pamphlet by Jonathan Swift, a full-length play by Shakespeare, Dante's *Inferno*, and a graphic novel by Art Spiegelman. The course includes a writing unit culminating in a MLA research paper, descriptive writing, creative writing, and narrative writing; a unit on grammar is also a semester long study.

Electives:

AMERICAN LITERATURE (1 semester) 9-12

5 credits

The class will discuss various American authors and their works. The class will cover the time period from the 1700's to the present. Materials will be short stories, novels, essays and poetry.

APPLIED COMMUNICATION (1 semester) 9-12

5 credits

A general study of communication theory – the study of verbal and nonverbal communication as well as intercultural communication. This course also covers listening and critical thinking skills, along with mass communication and media literacy.

CREATIVE WRITING (1 semester) 9-12

5 credits

This course will explore the creative mind through various types of writing intermixed at times with the process of illustrations: Children's Books, Obituaries, Newspaper, and Hallmark.

GENERAL LITERATURE (1 semester) 9-12

5 credits

The general study of different genres and authors throughout history having noteworthy content and excellence of style and which may be identified by country, type and/or period of time.

JOURNALISM (1 or 2 semesters) 9-12

5 credits per semester

The class will consist of: a review of grammar rules and vocabulary, a review of research methods, developing and writing articles for publication, interviewing individuals from the school and community and, publishing bi-weekly articles. The students will prepare and publish a bi-weekly student led newspaper.

MATHEMATICS

PRE-ALGEBRA (2 semesters) 9

5 credits per semester

This course includes the four basic operations and properties on the real numbers with emphasis on integers, solutions of one and two step equations, and creation of functional tables and graphing linear pairs.

ALGEBRA I (2 semesters) 8-9-10

5 credits per semester

This course is designed to teach the students the techniques of Algebra and how to apply them. The topics that are involved will be sets, solution of equations and inequalities, polynomials (four operations and factoring), functions, relations, graphs, quadratic equations, reasoning and more. This class will provide instruction in basic algebra concepts.

GEOMETRY (2 semesters) 9-10-11

5 credits per semester

This course is the study of geometry basics which include reasoning and developing proofs, working with the properties of triangles/polygons, solving trig problems and finding area and volume.

ALGEBRA II (2 semesters) 10-11-12

5 credits per semester

Pre-requisite: Algebra I

This course will be continuation of Algebra but will be more advanced. Some of the topics that will be presented are properties of real numbers, linear equations, functions, factoring, polynomials, complex, irrational and rational numbers, quadratic equations, exponential functions, and trigonometric concepts.

PRE-CALCULUS (2 semesters) 11-12

5 credits per semester

Pre-requisite: Algebra II

This course is an integrated body of selected aspects of algebra, trigonometry, and analytic geometry.

CALCULUS (2 semesters) 12

5 credits per semester

Pre-requisite: Pre-Calculus

This course is the study of calculus basics which include working with trigonometry, finding limits, finding derivatives/anti-derivatives and solving related rate problems.

The following courses can be substituted for the upper level college prep math courses.

GENERAL MATH I (2 semesters) 11-12

5 credits per semester

This course is a review of essential Algebra I and Geometry concepts and an introduction to Algebra II concepts required for the state assessment.

BUSINESS MATH (2 semesters) 12

5 credits per semester

Pre-requisite: Algebra I & Geometry

This course will focus on major financial issues business and individuals face in the real world. Among other topics, students will work with managing money and expenses and making positive financial and business decisions.

SCIENCE

EARTH SCIENCE (2 semesters) 9

5 credits per semester

The purpose of this class is to guide students through introduction to the areas of physics and earth science. Facts, concepts, and principles of energy, geology, physics, meteorology, and space exploration, which are interrelated in the study of the natural environment of earth and space will allow students to make connections with the natural and engineered world. Students will combine scientific processes and knowledge with scientific reasoning and critical thinking to ask questions about phenomena and propose explanations based on gathered evidence.

BIOLOGY (2 semesters) 10

5 credits per semester

The study of structure, functions, and processes of cells; classification, evolution; interrelationships; and environments of living organisms. Also includes the study of DNA and heredity.

Must choose one of the following four elective courses to meet graduation requirements; chemistry is strongly recommended for those planning to attend any college or university:

CHEMISTRY (2 semesters) 11-12

5 credits per semester

The purpose of this class is to guide students to develop an understanding of basic chemistry. Students will become fluent with the language of energy, atoms, chemical names, chemical quantities, and conversions. Students will be able to predict what kinds of elements and compounds combine together, and in what quantities. Once this base has been established, students will have an opportunity to see how chemistry plays a role in their everyday lives.

PRACTICAL SCIENCE (2 semesters) 11-12

5 credits per semester

The purpose of this class is to give students an overview into the study of chemistry. Students will become fluent with the language of energy, atoms, chemical names, chemical reactions, and conversions. This alternative science course (to chemistry) is designed for students who do not plan to continue with additional science courses in high school.

BIOLOGY II (2 semesters) 12

5 credits per semester

The Biology 2 course will examine the principles of biology within the context of the human experience and covers cell biology, physiology, genetics, evolution, ecology, and the interaction of humankind and the environment. The course is offered for dual credit through Nebraska Wesleyan University.

PHYSICS (2 semesters) 11-12

5 credits per semester

Prerequisite: Pre-Calculus (may be currently enrolled)

The purpose of this class is to give the students an opportunity to see how physics applies to their everyday life by combining several science principles and math equations. The two of the main focal points of motion and energy will be incorporated throughout the year, along with several labs and activities.

Additional science electives:

ASTRONOMY (1 semester) 11-12

5 credits

Students will learn about stars, the universe, and where humans and Earth fit into the big scheme of things.

FORENSIC SCIENCE (1 semester) 11-12

5 credits

Student will use biological, chemical, and physics principles to learn about the science behind crime scene investigating.

SOCIAL STUDIES

CIVICS (1 semester) 9

5 credits

Develops understanding and attitudes that encourage people to participate in civic affairs and to understand their rights and responsibilities as citizens.

AMERICAN GOVERNMENT (1 semester) 9

5 credits

American Government provides a learning experience that can be used for a lifetime. This course provides students with an overview of various forms of government around the world, the evolution of the U.S Government System with an in-depth focus on all parts of the United States Constitution. The Nebraska's State Legislature will also be covered in this course.

AMERICAN HISTORY (2 semesters) 10

5 credits per semester

This course begins with a short review of events in American History to 1865 with the majority of the course focusing on 1865 to Present. You will discover what happened during the period of reconstruction, the great immigration at the turn of the 20th century, the impact of manufacturing, the creation of unions, the rise of civil rights movements, and conflicts of the 19th and 20th centuries. The course traces how the U.S. became a modern nation.

WORLD HISTORY (2 semesters) 11

5 credits per semester

The study of the history of events, individuals, groups, institutions, artifacts, ideas, and other phenomena associated with the entire world.

ECONOMICS (1 semester) 12

5 credits

Economics is the study of how individuals, businesses, and governments make decisions about the use of scarce resources in a world of unlimited wants and needs. Topics ranging from Supply and Demand to International Trade will be covered in this course. This is done at both the microeconomics and macroeconomic level, both of which will be examined in detail. At the microeconomics level, students will investigate the smaller units of the economy and individual firms and markets. In macroeconomics, students will study the global economy and economics of nations and governments as they try to foster growth and stability. The course is useful in helping students to acquire financial literacy skills that will assist them in their journey through life. Financial Literacy modules will be completed using EverFi.

Electives:

HISTORICAL EVENTS (1 or 2 semesters) 9-12

5 credits per semester

The purpose of this class is to allow students to conduct individual and/or group research on a wide range of topics throughout history with the goal of creating a passion for historical events. Most of this course will involve research using primary and secondary sources found in the library or on the web. Historical research can be an amazing adventure once you've experienced how fascinating it can be. Topics can include but is not limited to Wars, Holocaust, History of Sports, Landmarks, Supreme Court Cases, Companies, and Inventions.

LAW (1 semester) 12

5 credits

This senior elective is a study of the practical and theoretical aspects of law in American society. Students will analyze components of Constitutional law and investigate various components of our legal system such as criminal law, civil law, structure of courts, role of law enforcement, trial process and the correctional system.

PSYCHOLOGY (1 semester) 11-12

5 credits

Psychology is the study of the human mind and its functions. This course is designed to give an overview of the field of psychology. Students will examine the history and careers in psychology and explore the fundamentals of behavior, learning, conditioning, cognitive processes, perception, emotion, personality and psychological disorders. The objectives for this course will be accomplished through lecture, discussion, class activities, assessments, media, and personal research.

SOCIOLOGY (1 semester) 11-12***5 credits***

Sociology is the scientific study of human society and social behavior. Sociology focuses on understanding social interaction, social organization, social institutions, and social change. Major themes in sociological thinking include the interaction between the individual and society, the causes and consequences of social inequality, the causes of deviance in society, the demographics of race and ethnic relations in society, and the social construction of human life. Understanding sociology helps identify and explain social patterns and problems in society. The objectives for this course will be accomplished through lecture, discussion, class activities, assessments, media, and personal research.

FINE ARTS***Art I - Art Fundamentals (1 semester) 9-12******5 credits***

Students in this class will begin to build upon the skills achieved during their middle school years. The elements and principles will be expanded and more concentration and sketches will be done. This course is a pre-requisite for all upper level art courses.

Art II - Drawing (1st semester) 10-12***5 credits*****Prerequisite: Art I**

Students will work and build on their skills achieved during Art I. The work will basically be in drawing mediums and will stress the application of color, texture, and composition.

Art II – Painting (2nd semester) 10-12***5 credits*****Prerequisite: Art I**

Students will work and build on their skills achieved during Art I and II (1st semester). The work will be in painting mediums and will stress the application of color, texture, and composition.

Art III – Ceramics & Sculpture (1st semester) 11-12***5 credits*****Prerequisite: Art I & II**

This course is designed for the advanced students that have passed Art I and II. They will have specific projects introduced to them and they will add their own interpretation(s). The work will be based around various ceramic and sculpture techniques.

Art III – Textiles and Graphic Design (2nd semester) 11-12***5 credits*****Prerequisite: Art I & II**

This course is designed for the advanced students that have passed Art I and II. They will have specific projects introduced to them and they will add their own interpretation(s). The work will be based around fabric manipulation, printmaking, and computer generated art.

Art IV – Yearbook (2 semesters) by instructor permission only***5 credits per semester*****Prerequisite: Art I, II, III**

This course is designed for the advanced students that have passed Art I, II and III. They will have specific work to produce the yearbook and higher level independent projects are available.

INSTRUMENTAL MUSIC (2 semesters) 9-12***5 credits per semester*****Prerequisite: Jr High Band or Instructor permission**

The study and development of musical skills through performance in the traditional concert band as well as solo and small group experiences.

VOCAL MUSIC (2 semesters) 9-12***5 credits per semester***

Learning experiences designed for vocal repertoire and vocal skills through solo and group performance in larger ensembles of students.

MUSIC APPRECIATION (1 semester) 9-12***5 credits***

Students will study and explore American popular music styles such as jazz, rock, folk, etc. This non-performance based course is open to any non-instrumental/vocal music student.

FOREIGN LANGUAGE

SPANISH I (2 semesters) 10-12

5 credits per semester

Students will be exposed to Spanish vocabulary, grammar, and culture. The vocabulary will involve that used in everyday situations. The grammar will include verbs, adjectives, pronouns etc. The culture will include studying landmarks, holidays, customs, etc.

SPANISH II (2 semesters) 11-12

5 credits per semester

Prerequisite: Spanish I

This course should enable students to satisfy immediate needs using learned utterances and ask questions or make statements with reasonable accuracy only where short memorized utterances or formulae are involved.

SPANISH III/IV (2 semesters) 12

10 credits per semester

Prerequisite: Spanish I & II

This course should enable students to satisfy basic survival needs and minimum courtesy requirements, ask and answer simple questions, initiate and respond to simple statements and maintain simple direct conversations.

PHYSICAL EDUCATION AND HEALTH

HEALTH I (1 semester) 9-12

5 credits

Learning activities concerning health to achieve desirable knowledge, understanding, attitudes, and practices related to personal, family, and community health issues.

HEALTH II (1 semester) 10-12

5 credits

An advanced course with current health trends and issues as its central focus, with direction to consumer health, family life education, health planning, health careers, and health services.

PHYSICAL EDUCATION 9 (1 semester) 9-12

5 credits

A general course with emphasis on physical, social, emotional, and mental well-being through the use of physical activity.

PHYSICAL EDUCATION 10 (1 semester) 10-12

5 credits

An introductory course in organized, sequential, and systematic application of the concepts and principles of the art and science of human movement through physical activities.

Electives:

PHYSICAL EDUCATION III (1 semester) 11-12

5 credits

A specialized course with physical fitness and lifetime sports as its central focus primarily directed to the advantages of voluntary participation throughout life in a variety of activities.

PHYSICAL EDUCATION IV (1 semester) 11-12

5 credits

An advanced course with an emphasis on the significant social, emotional, mental, and physical benefits of physical activity directed to the promotion of total physical well-being with an emphasis on longevity and activity.

WEIGHT LIFTING (1 or 2 semesters) 11-12

5 credits per semester

An advanced physical education course with emphasis on building strength, speed, agility, and power through weight lifting and conditioning exercises. Students will also gain an understanding of the body and ways to train to achieve specific fitness goals.

CAREER AND TECHNICAL EDUCATION

BUSINESS COURSES

BUSINESS COMMUNICATIONS (1 semester) 12

5 credits

A course designed to assist students in developing and refining job-related communication skills: technical writing, listening, speaking, problem solving, teamwork, and nonverbal skills. The course also includes an extensive career unit where students explore careers and prepare for the search and application process. They will also complete a mock job interview.

Electives:

ACCOUNTING I (2 semesters) 10-12

5 credits per semester

This two-semester course covers maintaining accounting forms for sole proprietorships, partnerships, and corporations. The forms include journals, ledgers, and other financial statements. The students will use technology by incorporating an online website and spreadsheets to keep track of their budgets.

ACCOUNTING II (2 semesters) 11-12

5 credits per semester

Pre-requisite: Accounting I

A second year accounting course designed to help students acquire additional knowledge of concepts, procedures, and applications. Special emphasis is given to analyzing and interpreting financial information used in making managerial decisions.

BUSINESS LAW (1 semester) 9-12

5 credits

This course is designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation, and constitutional issues including civil and criminal law. The students will study different cases throughout the semester dealing with businesses and corporations.

ENTREPRENEURSHIP (1 semester) 9 -12

5 credits

Students will gain an understanding of the business principles necessary to start and operate a business. Any student interested in business or being their own boss should take this course. They will develop an awareness of the opportunities for small business ownership and develop the planning skills needed to open a small business. Students will explore the traits and characteristics of an entrepreneur and learn the basic concepts of marketing. The main projects in this class will include writing a business plan and developing a marketing campaign for the business.

INTRO TO BUSINESS (1 semester) 9-12

5 credits

This course is designed as an introductory overview of the Business, Marketing, and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored. The class will include basic technology found in a business environment including presentation software, word processing, and spreadsheets.

MANAGEMENT (1 semester) 9-12

5 credits

This course will help students develop themselves as leaders and learn the roles and functions of managers in various fields. Students should take this course if they are interested in any area of the business world or are aspiring to be a manager or entrepreneur in any field. Topics of the course include but are not limited to: Business Environment and Ownership, Management Functions and Leadership, Seven Habits of Highly Effective Teenagers/People, Communication and Information Systems, Production, Manufacturing, and Marketing, Financial Management, and Managing Human Resources. This course will be highly project based and interactive.

MARKETING (1 semester) 9-12

5 credits

Marketing focuses on a range of business topics from advertising to sales. Students learn to describe the scope of marketing as well as the benefits. They learn how products are promoted and how to understand

buying habits and demographics of customers. The other topics they will learn include: political and economic analysis, the free enterprise system, legal and ethical issues, marketing technology, interpersonal skills, sales process, pricing and distribution, and career opportunities in marketing and sales.

PERSONAL FINANCE (1 semester) 9-12

5 credits

This class will focus on students having a basic understanding of their finances and some basic business information. Units of study may include: financial planning, budgeting, investing, credit and debt, banking services, insurance, how careers effect finances, economic environment, and ethics.

COMPUTER COURSES

DIGITAL MEDIA (1 semester) 9-12

5 credits

Students will create, design, and produce digital media including still images, sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes.

INFO TECH APPS I (1 semester) 9-12

5 credits

Students will learn computer skills needed to function in the workplace and school. The course will include but is not limited to using word processing, spreadsheet, presentation, and publisher software to accomplish a variety of tasks and projects.

INFO TECH APPS II (1 semester) 10-12

5 credits

Info Tech Apps II is an advanced level of Info Tech Apps I. In addition to learning advanced procedures using Microsoft Word, Excel, and PowerPoint programs, students will also learn the Access database. Upon completion of the class, students will be able to receive their MOS Certification in Microsoft Office.

INTRODUCTION TO DIGITAL DESIGN (1 semester) 9-12

5 credits

This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphics, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines.

NETWORK SYSTEMS (2 semesters) 11-12 by instructor permission only

5 credits per semester

The course will cover topics such as computer hardware maintenance, security, basic programming, and network setup and design.

WEB DESIGN/FLASH (2 semesters) 12

5 credits per semester

Pre-Requisite: Info Tech Apps I or Computer Concepts

A course designed as a capstone course for students to create, design and produce interactive media products and services. The course emphasizes the development of digitally generated and/or computer-enhanced media.

FAMILY AND CONSUMER SCIENCE COURSES

CLOTHING (1 semester) 9-12

5 credits

This course focuses on the social and psychological aspects of clothing, clothing trends, and clothing construction. The students will complete several projects that include current clothing trends, trends of the past, and fashion designers. An intermediate sewing project will be completed by each student.

FAMILY AND CONSUMER SCIENCE (FCS) (1 semester) 9-12 ***5 credits***

This course focuses on ways to manage your life by identifying your values, short and long term goals and using the decision making process. Job skills are introduced along with qualities of a good employee and job searching skills. Students will learn how to fill out a job application and learn interview skills. Money management and being a wise consumer are a main component of this course. A unit on sewing, mending and clothing care is also included.

INTERIOR DESIGN (1 semester) 9-12 ***5 credits***

This class included the study of the physical, psychological, and social influences of housing on people. Students will gain an understanding of the housing needs and wants of individuals, types of housing styles, decorating styles, house furnishing options, and costs.

LIFE & CAREER READINESS (1 semester) 11-12 ***5 credits***

This class is designed to help students prepare for effective independent living and survival skills and help prepare them for personal life and career responsibilities. This course offers students the chance to gain greater self-awareness and increased control over choosing directions for one's own life and career.

NUTRITION AND FOOD (1 semester) 9-12 ***5 credits***

This course studies the principles of nutrition and its relationship to individual health, the study of the nutrients and their function in the body, the selection and preparation of food, table setting and manners, meal planning, and management of the food dollar.

PARENTING (1 semester) 11-12 ***5 credits***

This class is designed to help students understand parenting readiness, parenting decisions, and parenting practices. The students will also learn the principles of human growth and development from pre-natal to school-aged children.

INDUSTRIAL TECHNOLOGY COURSES

COMPUTER AIDED DRAFTING (CAD) 1 (1 semester) 9-12 ***5 credits***

This class is an introduction to the fundamental skills, processes, products, tools, materials and current software involved with technical drawing, drafting and design. Students will produce basic drawings and projects utilizing board fundamentals as well as Autodesk AutoCAD software. Areas of student include: measuring and scale reading, Computer Aided Drafting (CAD), drawing sheet layout, dimensioning and geometric constructions.

COMPUTER AIDED DRAFTING (CAD) 2 (1 semester) 9-12 ***5 credits***

Pre-requisite: CAD I

This is an advanced CAD course that studies three-dimensional (3D) CAD techniques and applications with emphasis on increasing productivity in the creation and editing of 3D models using AutoCAD software. The course includes an architectural project that will blend the previous learned material in CAD 1. This is equivalent to an entry-level architect/drafting class.

COMPUTER AIDED DRAFTING (CAD) 3 (2 semesters) 10-12 ***5 credits per semester***

Prerequisite: CAD 1 and CAD 2

CAD 3 is an independent study course focused on engineering.

COMPUTER AIDED DRAFTING (CAD) 4 (2 semesters) 11-12 ***5 credits per semester***

Pre-requisite: CAD 1, 2 & 3

CAD 4 is an independent study course focused on architecture using REVIT.

MAINTENANCE & OPERATIONS (2 semesters) 10-12

5 credits per semester

The study of experiences involving activities such as experimenting, designing, constructing, evaluating, and using a variety of tools, materials, and processes. The safe and proper use of the machine tools in the shop will be used to complete a project.

WELDING I (1 semester) 9-12

5 credits

This class is the beginning class in metallurgy and welding technology. The students will be given instruction on the basics of SMAW (stick), GMAW (wire feed), OFW (oxy-fuel) and TIG (Tungsten Inert Gas). Time is spent both in the classroom and in the lab.

WELDING II (1 semester) 10-12

5 credits

Pre-requisite: Welding I

This class is an advanced class in welding and metallurgy. Students will complete advanced welding techniques using SMAW (stick, GMAW (wire-feed) and OFW (oxy-fuel) welding processes. Time is spent both in the classroom and in the lab.

WOODS I (1 semester) 9-12

5 credits

An introduction to woodworking and construction technology. This exploratory course is designed to provide instruction in the proper use and care of woodworking tools and power equipment. Students will use hand-on experiences in project design, production and finishing techniques. Students will also experience different phases in the construction industry. This course provides the student with the skills and knowledge to go on to the Woods II class.

WOODS II (1 semester) 10-12

5 credits

Pre-requisite: Woods I

This more advanced skills course will provide students with hands on experiences with the processes, materials, equipment and technologies found in the furniture and cabinet industries. These experiences serve as a foundation for students following career paths in the wood manufacturing, construction, design and/or wood sales occupations, as well as those with a general interest. Students will be actively involved in hands-on processes producing furniture, cabinets and other construction products that can be taken home. Students will work on individual projects.

CONSTRUCTION (2 semesters) 12

5 credits per semester

Pre-requisite: Woods I and II or permission of instructor

This class is a SENIOR ONLY class in the area of building construction and maintenance. Students will work cooperatively to build a structure of some type such as a shed, playhouse, etc. Time will be spent both in the classroom and the shop.