



2020-2021 Course Offerings

Middle School 6-8th Grade Electives

MS Art I	1 semester	grades 6-8
Art I is focused on deciphering and discussing Narrative Art, or art that visually tells a story. Students will explore the various ways people have told and passed down stories over generations and create artwork inspired by those stories.		
MS Art II	1 semester	grades 7-8
<u>Prerequisite:</u> MS Art I Explores cultural art and how students' culture affects their artistic vision. Students will study music, art, and traditions to inspire their creations.		
MS Art III	1 semester	grades 7-8
<u>Prerequisite:</u> MS Art II Art III is a class designed to get students involved in creating Public Art. It is focused on creating one public art project that is designed and created within a group to address a particular need or purpose. The art project will take the entire semester to create and will be displayed in a public area. Students will get real-life experience in proposing and executing an artwork intended for the public.		
MS Mixed Media Art I	1 semester	grades 6-8
Explore mixing a variety of art materials such as oil pastel, paint, magazine cut outs, and recycled materials to create eye catching artworks. Experimentation will be a main focus.		
MS Mixed Media Art II	1 semester	grades 7-8
<u>Prerequisite:</u> MS Mixed Media Art I Explores cultural art and how the students' culture affects their artistic vision. Students study music, art, and traditions to inspire their creations.		
MS Mixed Media Art III	1 semester	grades 7-8
<u>Prerequisite:</u> MS Mixed Media Art II 8th Grade Mixed Media explores cultural art and how the students' culture affects their artistic vision. Students will study cultural music, art, and traditions to inspire their creations.		
Automation and Robotics	1 semester	grades 7-8
Students will revisit the relationship of science, technology, engineering and math and explore the contributions engineers provide. They will trace the history, development and influence of automation and robotics as they move to designing, building, wiring and programming simple to complex robots to carry out a specific task. Students acquire knowledge and skills in problem solving, teamwork, collaboration and innovation.		
Baking Basics	1 semester	grades 6-8
This course is an introduction to basic principles, preparation and presentation of various desserts, quick breads, and yeast breads. This will include pastry doughs, tarts, creams, pies, cookies, and bars. It will explain the chemical and physical factors in baking.		
Culinary Foundations	1 semester	grades 6-8
Culinary Foundations introduces students to basic cooking principles. Topics include an overview of kitchen equipment, safety, sanitation, and basic preparation methods that includes soups, salads, sandwiches, breakfast items, vegetables and starches.		
Band 6	2 semesters	grades 6
<u>Prerequisite:</u> 5th grade instrumental experience preferred Band provides a laboratory setting for the hands-on learning of the elements of music and instrumental technique. This class is for students in 6th grade who may or may not have had previous instrumental instruction. A variety of musical styles will be explored. The student will work to achieve mastery of his/her instrument while performing throughout the year. Group lessons are available.		



Band - MS Advanced

2 semesters

grades 7-8

Prerequisite: One year of Concert Band or equivalent

Band provides a laboratory setting for the hands-on learning of the elements of music and instrumental technique. This class is for students in 7th and 8th grade who have previous instrumental instruction. A variety of musical styles will be explored. The student will work to achieve mastery of his/her instrument while performing throughout the year. Group lessons are available.

Choir 6

2 semesters

grade 6

6th Grade Choir is open to any 6th grade student who wishes to perform in a singing group. Music from many styles will be studied as the students' voices and music literacy skills are nurtured. They perform in various concerts throughout the school year.

Choir 7-8

2 semesters

grades 7-8

Choir is open to any 7th or 8th grade student who wishes to perform in a singing group. Music from many styles will be studied as the students' voices and music literacy skills are nurtured. Besides performing in various concerts throughout the school year, students may have the opportunity to audition for and/or attend contests and festivals.

Intro to Guitar

1 semester

grades 6-8

This semester-long course is designed for students with no previous guitar experience. Students will receive guidance and direction in solving problems related to playing the guitar at a beginning level and will learn many of the different styles, skills, and techniques required to become a successful guitarist. Areas of concentration include: correct posture, note and TAB reading, aural skills, strumming, accompanying singers, chord study, finger-picking, musical forms, and performing experience.

MS Music in Theatre

1 semester

grades 6-8

The purpose of this class is to help give insight into the world of music that is specifically for a theatre performance or film. In this class, we will look at the following types of performances:

- Operas
- Broadway Musicals
- Film Soundtracks

Students should leave this class with a better understanding of the theatre/film music.

Design & Modeling

1 semester

grade 6-7

Students discover the design process and develop an understanding of the influence of creativity and innovation in their lives. They are challenged and empowered to use and apply what they've learned throughout the unit to design a therapeutic toy for a child who has cerebral palsy.

MS Homemade Chemistry

1 semester

grades 6-8

Using kitchen science lab activities that kids are excited about to show the chemistry behind those experiments. Middle school students ask all the time to blow stuff up or try an experiment they have seen online. This way we would be able to do these experiments and discuss the scientific principles behind why they work. Lessons include experiment design, independent and dependent variables, and why scientists create experiments. The semester final is project-based.

Lifetime Activities

1 semester

grade 7-8

This class will review the many activities that we will experience in our lifetime. Spanning from study skills in school, to cooking and budgets with our first job and on to having a family. We will get married, have a baby, buy a house, throw a birthday party and many more events.

MS Science in Theatre

1 semester

grades 7-8

Science Theater is an examination of movies and their accuracy in science. Students will watch a variety of movies from Nemo to Star Wars. After the movie, they will have to write a review. The review will include a synopsis of the movie, their own rating of the movie, and most importantly identify both mistakes in science concepts and determine what science doesn't really exist yet. Will these advances in science ever exist?

MS Spanish

2 semesters

grade 8

This course is designed to introduce eighth grader students to the learning of the Spanish language, its culture and values for the mediation of values in diverse society. Students will develop some learning strategies to successfully study any second language. The course emphasizes the acquisition of the fundamentals of Spanish vocabulary, pronunciation, grammar and syntax to enable the learners to understand written and spoken Spanish within short texts.

Study Hall



High School 9-12th Grade

Business and Finance - Electives



Accounting 1 semester grades 10 -12

Students will learn the accounting cycle, which includes journalizing, posting, preparing worksheets, creating financial statements and making adjusting and closing entries. This course is helpful for students who are thinking of majoring in business at college and for those students who want to start their own business.

Accounting II 1 semester grades 10-12

This is a continuation from first semester accounting. Students are introduced to payroll accounting, ways to manage plant assets and depreciation, notes payable and receivable, uncollectible accounts and accrued income and expenses.

Business and Financial Math 1 semester grades 11-12

Students learn how mathematical skills are used in business operations. Topics include cash and trade discounts, markups, overhead applications, commissions, simple interest, compound interest, annuities, business and consumer loans, depreciation, mortgages, and financial statements.

Business Communications 1 semester grades 10-12

Students will focus on learning how to communicate effectively and efficiently. They will learn to properly set up research reports in MLA format, use formulas, incorporate graphs, charts, spreadsheets and run queries with databases.

Business Law 1 semester grades 11-12

This course is designed to help students develop an appreciation for law and a practical understanding of the legal framework in which individuals function - personal, social, and business. Topics include: law enforcement, judicial court system, minor and consumer rights, contracts, warranties, and insurance.

Future Business Leaders of American (FBLA)

2 semesters grades 9-12

FBLA is the high school division of Future Business Leaders of America-Phi Beta Lambda, Inc. FBLA helps high school students prepare for careers in business through academic competitions (FBLA Competitive Events), leadership development, and educational programs. Students will prepare for college and careers through a variety of leadership, community service, and academic activities. FBLA members also demonstrate their leadership skills through community service projects, fundraising activities, and chapter officer positions.

Introduction to Business 1 semester grades 9-12

Introduction to Business is a basic introduction to the business world. Students learn their role in the economic system. Business cycles, supply and demand, business marketing, accounting, business ethics, and entrepreneurship skills will be covered. This course is an introduction to the department's business programs.

Personal Finance 1 semester grades 9 -12 required

This course is an introduction to personal finance concepts. Topics studied will include making and revising financial goals at different stages of one's life, managing bank accounts, wise use of credit, investments, insurance, taxes, and personal budgeting. One semester of Money Matters or Personal Finance meets the Financial Literacy graduation requirement.

Principles of Marketing 1 semester grades 11-12

Prerequisites: Introduction to Business (starting academic year 2021-2022)

Principles of Marketing covers the role of marketing in society, consumer behavior, product management, distribution, pricing concepts, strategic planning and promotional activities within a business environment. This class will also cover digital marketing; promotion of products or brands via one or more forms of electronic media. Digital marketing is often referred to as online marketing, internet marketing or web marketing.

Health and Physical Education - 8 credits (4 years) – Required

Health 1 semester grades 9-12 required

Health is designed to have students take personal responsibility for their wellness by making good choices for healthy lifestyles. Topics covered include: Mental Health, Social Health, Nutrition, Physical Fitness, and Substance Abuse.

Lifetime Wellness 1 semester grades 9-12

In Lifetime Wellness, the students will be introduced to basic skills in a variety of areas being offered. The outcomes for Lifetime Wellness will be that all students are able to (1) Use and care for equipment properly, (2) Display a cooperative attitude and willingness to work with others, (3) Extend courtesy and respect toward others, (4) Demonstrate physical skills at his/her ability level in various activities, (5) Develop a



program to promote lifelong physical fitness and wellness.

Strength and Conditioning 1 semester grades 9-12

Strength and Conditioning will allow the students to gain experience and understanding of weight room procedures and practices to ensure safe and proper technique in lifting and conditioning exercises. The outcomes for Strength and Conditioning will be that students are able to (1) Use properly and care for the equipment, (2) Follow a program and chart gains, (3) Spot properly for safety, (4) Develop an understanding of the importance of lifelong benefits to staying strong and conditioned for health and wellness. Students signed up for this class are required to attend class every morning regardless of sports or other activities.

Journalism - Electives

Journalism 1 semester grades 9-12

Students learn the basics of journalism writing, editing, layout, and photography. The course presents an overview of the world of desktop publishing, newspaper coverage, yearbook production and photojournalism. At the end of the course, students are eligible to apply for a yearbook or newspaper position.

Publications I 1 semester grades 10-12

Students will work with student editors and managers to produce copy and pictures for the student-run newspaper, high school yearbook, middle school yearbook, student twitter account and SATV. Students will write, edit, design pages, take photographs, and sell sponsorships. This is a non-traditional class with students working independently during the class time on assignments they choose or which have been assigned to them by student editors and managers. The teacher acts as an adviser.

Publications II 1 semester grades 10-12

Students will work with student editors and managers to produce copy and pictures for the student-run newspaper, high school yearbook, middle school yearbook, student twitter account and SATV. Students will write, edit, design pages, take photographs, and sell sponsorships. This is a non-traditional class with students working independently during the class time on assignments they choose or which have been assigned to them by student editors and managers. The teacher acts as an adviser.

Publications III 1 semester grades 10-12

Students are editors, senior writers, senior photographers and managers of the student-run school newspaper, high school yearbook, middle school yearbook, student twitter account and SATV. Students work independently and in groups to create content for the two publications and to supervise other staff members. Students write, edit, design pages, take photographs, and sell sponsorships. This class is designed as self-starting and independent study with the teacher as an adviser.

Publications IV 1 semester grades 10-12

Students act as editors, senior writers, senior photographers and managers of the student-run school newspaper, high school yearbook, middle school yearbook, student twitter account and SATV. Students work independently and in groups to create content for the two publications and to supervise other staff members. Students write, edit, design pages, take photographs, and sell sponsorships. This class is designed as self-starting and independent study with the teacher as an adviser.

Publications V 1 semester grades 11-12

Students act as editors, senior writers, senior photographers and managers of the student-run school newspaper, high school yearbook, middle school yearbook, student twitter account and SATV. Students work independently and in groups to create content for the two publications and to supervise other staff members. Students write, edit, design pages, take photographs, and sell sponsorships. This class is designed as self-starting and independent study with the teacher as an adviser.

Language Arts - 8 credits (4 years) - Required

English 9 2 semesters grade 9

This course will examine basic literary genres as short stories, a short novel, poetry, modern drama, essays and mythology. Both formal and informal writing experiences will be integrated into the literature units. Vocabulary study and independent reading will also be emphasized.

Honors English 9 2 semesters grade 9



English Composition I introduces academic, college writing. It centers on writing four genres of essay: descriptive, narrative, compare or contrast, and argumentative. Students will write to learn as well as to express. Assessments are primarily essays.

English Comp IICC (dual enrollment) 1 semester grade 12

Prerequisite: English Composition I

English Composition II builds on writing skills developed in ECI. It centers on argumentative writing, with an emphasis on rhetoric and thorough research. Students will write to learn as well as to express. Assessments are predominantly essays.

Graphic Novels 2 semesters grades 11-12

Graphic Novels focuses on the reading of high quality, genre-changing graphic novels. The class centers on individual reading comprehension, structural and critical analysis, artistic awareness, and recognizing and understanding literary devices. In addition to studying the text of works, students will also study the graphics in the work: elements such as transitions between frames, imagery, flow, character design, and camera angle. Assessments are predominantly reading quizzes, worksheets, and projects.

Creative Writing 2 semesters grades 11-12

The Creative Writing course is designed for students who enjoy writing as a form of art and personal expression. In this course, students will explore the elements of numerous literary genres (short fiction, poetry, drama) and the power of both print and multimedia formats. To develop original writing pieces, students will engage in writing workshops, literary element development lessons, writing/author studies, and peer reviews/conferences. To show evidence of writing development throughout the course, students will be required to maintain Writer's Notebooks that may be developed digitally or in print.

Mathematics (3 years/6 credits) required

Algebra I 2 semesters grades 9-11

Some of the topics in this course include solving linear equations and inequalities, applications of linear equations and inequalities, integer exponents, operations with polynomials, factoring, slopes, equations of lines, graphs of linear equations and inequalities, solving quadratic equations, solving systems of linear equations in two variables by graphing, substitution and elimination methods, probability problems.

Algebra II 2 semesters grades 9-12

Prerequisite: Geometry

Some of the topics in this course include solving linear equations and inequalities, applications of linear equations and inequalities, integer exponents, operations with polynomials, factoring, slopes, equations of lines, graphs of linear equations and inequalities, solving quadratic equations, solving systems of linear equations in two variables by graphing, substitution and elimination methods, probability problems.

Calculus (dual enrollment) 2 semesters grades 11-12

Prerequisite: Trig and Pre-Calc with B or above

Students in calculus will study the following topics: limits, differentiation and applications, use of definite integral, methods and applications of integration. These topics will be applied to algebraic, trigonometric, logarithmic and exponential functions. Five college credits are available through IWCC.

Geometry 2 semesters grades 9-12

Prerequisite: Algebra I

This course is a study of points, lines, planes, triangles, polygons, and circles. Logical reasoning through proofs and connections to algebra will be explored. This class is recommended for students wanting a theoretical background in mathematics in order to study science, mathematics, or engineering at the college level.

Honors Algebra I 2 semesters grades 9-11

Prerequisite: Based on state and teacher achievement data.

Some of the topics in this course include solving linear equations and inequalities, applications of linear equations and inequalities, integer exponents, operations with polynomials, factoring, slopes, equations of lines, graphs of linear equations and inequalities, solving quadratic equations, solving systems of linear equations in two variables by graphing, substitution and elimination methods, probability problems.

Honors Algebra II 2 semesters grades 9-12



and TAB reading, aural skills, strumming, accompanying singers, chord study, finger-picking, musical forms, and performing experience.

Music in Theatre 1 semester grades 9-12

The purpose of this class is to help give insight into the world of music that is specifically for a theatre performance or film. In this class, we will look at the following types of performances:

- Operas
- Broadway Musicals
- Film Soundtracks

Students should leave this class with a better understanding of the theatre/film music.

Soundsations 2 semesters grades 10-12

Prerequisite: Audition

Chamber Choir is a performance ensemble. It is open, by instructor interview/audition, to students who know and apply basic music techniques and desire to challenge their musical abilities. Members will develop their skills in the areas of stage presence, microphone technique and advanced choral techniques. Country, jazz, swing, pop, gospel and modern chamber music will be used to routinely perform at Saint Albert and the larger Council Bluffs community. The mission of the group is to share the spirit of Saint Albert through music with the community of Council Bluffs

Voice Class 1 semester grades 9-12

This class is suited for students who want to improve their musical and vocal skills with individualized attention within a class setting. Solo and choir music will be used with special attention to vocal production, musical style interpretation, dynamics, diction, and stage presence. Students will be able to build a repertoire of music to use for recitals, college auditions for scholarships and choir placement, and church music participation. Contest solo, duet, and ensemble preparation can also take place in this class. The emphasis will be on individualized instruction.

Religion - 4 years (8 credits) Required

Christ in Scripture 1 semester grade 9

This course will give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. Students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. They will learn how to read the Bible, and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels where they may grow to know and love Jesus Christ more personally.

Who is Christ 1 semester grade 9

This course will introduce students to the Mystery of Jesus Christ, the Living Word of God, the second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate revelation to us from God. In learning about who he is, students will also learn who he calls them to be.

Mission of Christ 1 semester grade 10

This course will help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the Redemption Christ won for us. Students will learn that they share in this Redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

Christ's Mission Continues 1 semester grade 10

This course will help the students understand that in and through the Church they encounter the Living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The students will come to know that the Church is the living Body of Christ today. This Body has both Divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church.

Life in Christ 1 semester grade 11



This course will help students understand that it is only through Christ that they can fully live out God's plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ's disciples.

Sacraments 1 semester grade 11

This course will help students understand that they can encounter Christ today in a full and real way in and through the Sacraments, and especially through the Eucharist. Students will examine each of the Sacraments in detail so as to learn how they may encounter Christ throughout life.

Living as a Disciple 1 semester grade 12

This course will introduce students to the Church's Social Teaching. In this course students are to learn how Christ's concern for others, especially the poor and needy, is present today in the Church's social teaching and mission.

Responding to the Call 1 semester grade 12

This course will help students to understand the vocations of life: how Christ calls us to live. In this course students should learn how all vocations are similar and how they differ. The course should be structured around married life, single life, priestly life, and consecrated life. Students should learn what it means to live life for the benefit of others and the value in considering a vocation in service to the Christian call.

Religion – Electives

Campus Ministry 1 or 2 semesters grades 10-12

This course will focus on students' input and involvement in Campus Ministry activities such as planning and executing Mass preparations, service projects, Reconciliation services, and reflection days. Students will also work on becoming confident and effective group leaders, speakers, and role models for the other students.

Science - 3 years (6 credits) Required

Agriculture 2 semesters grades 11-12

Prerequisite: Biology

During this year long course, students will begin to understand the interdependence of humans and agriculture. From home gardens to factory farms, the course provides a better understanding on how food makes it from the soil to the dinner plate. This class addresses: crop planting, animal husbandry, organic gardening, the use of fertilizers, and much more. The majority of this class will involve hands-on learning.

Agriculture II 2 semesters grade 12

Prerequisite: Agriculture

This course continues the study of the interdependence of humans and agriculture.

Anatomy & Physiology 2 semesters grades 11-12

Prerequisite: Biology

Anatomy and Physiology explore human bodily structures and functions. Students will study the major systems of the body and learn about the interrelationships among them. Specific topics covered are body tissues, skin and body membranes, the skeletal system, the muscular system, the nervous system, the endocrine system, the cardiovascular system, the respiratory system, and the digestive system. Instruction will include note-taking, hands-on assignments, labs (including dissections), projects, and discussions.

Biology 2 semesters grades 10-12

Biology is the study of life. Throughout the year, the course will cover biological principles, cells, introductory chemistry, DNA, genetics, evolution, classification, and ecology. Instruction will include taking notes, completing hands-on assignments, labs, projects, and discussions. Students are encouraged to use higher levels of reasoning, such as application, interpretation, and problem-solving.

Biology II 2 semesters grades 9-12

Prerequisite: Biology and Chemistry

As the world becomes more populated, additional pressures are applied to the environment. These pressures need to be studied, understood, and addressed to effectively manage and protect humans and



the environment they depend on. Advanced biology will dive deeper into cells, evolution, ecology, and genetics. Understanding these topics empowers students to excel in advanced science classes and live and work in the changing world around them.

Chemistry 2 semesters grades 10-12

Prerequisite: Biology and participation in Algebra II

Chemistry is the study of the structure and properties of matter, and their relationships. This course emphasizes major chemical concepts and principles, beginning with the language and mechanics of chemistry, and progressing to the behavior of matter. Topics covered include: measurement, classification of matter, atomic structure, the periodic table, chemical formulas, the mole, chemical reactions, chemical bonding, molecular structure, thermodynamics, reaction rates, gas laws, and introductory mathematics in chemistry.

Chemistry II 2 semesters grades 11-12

Chemistry II continues the study of matter through laboratory research and extending ideas learned in chemistry. Topics include: oxidation reduction, organic structures and nomenclature, thermodynamics, biochemistry and others.

Environmental Science 2 semesters grades 11-12

Environmental Science studies how humans impact the environment. Students will study basic environmental principles, ecology, populations, water, air, land, and energy resources. Instruction will include note-taking, hands-on assignments, labs, projects, and discussions. Students are required to build on skills utilizing higher levels of reasoning, such as application, interpretation, and problem-solving.

Physical Science 2 semesters grade 9

The Physical Science course is an introduction to the study of chemistry and physics. The course begins by solidifying the scientific process such as asking questions, creating scientific arguments, measurement, and data collection. Concepts and applications are introduced or reinforced through hands-on activities, engineering design tasks, and labs. Topics covered include chemistry, such as reactions and the periodic table, motion, forces, energy, momentum; and energy, thermodynamics, electricity, and magnetism, waves, and light.

Honors Physical Science 2 semesters grade 9

Honors Physical Science is a deeper look into the study of chemistry and physics. Topics studied include atomic theory, periodic table basics, reaction rates, acids/base reactions, thermodynamics, motion, forces, energy, momentum, electricity, magnetism, waves, and light. Concepts will be deepened through inquiry activities, laboratory procedures, and mastery projects.

Physics 2 semesters grades 11-12

Prerequisite: Algebra II

Physics studies the world around us and interactions of its components. Forces cause objects to move, objects have energy and can cause change. Heat and light can produce many effects, and magnetism is utilized to create electricity. Studying these interactions elicits understanding of the world and development of technology. Learning in this course occurs primarily with hands-on activities, labs, and projects. Collecting data and mathematical modeling are essential skills. Physics is a useful and engaging course for all students, specifically those who are pursuing advanced study in the sciences including math, biology, engineering, health sciences.

Social Studies - 3 years (6 credits) Required

US History 2 semesters grades 9-12

U.S. History covers the time period between 1877 to the present. Emphasis is placed on the people, places, and events that have influenced the world. Areas of study that receive comprehensive evaluation include: Industrial Revolution Westward, Movement, Progressive Era, WWI, Roaring 20's, Great Depression, and WWII. This course is a graduation requirement.

World History 2 semesters grades 10-12

This course affords the student the opportunity to secure a general understanding of the peoples and forces that have shaped our modern world. Although European developments predominate, ample attention is paid to the non-European aspects of world history. Attention is focused upon significant concepts so that analysis is the fundamental skill nurtured throughout the course.



Economics 1 semester grades 11-12

Economics is designed to introduce key principles and ideas that enable the student to understand supply, demand, and the effects of these concepts on the economy and finance.

Government 1 semester grades 11-12

Government is directed at developing an understanding of how the democratic process operates within the framework of our constitution. Emphasis is placed on the study of our federal system with its three branches: executive, legislative, and judicial. Also, included is the study of civil liberties, state government, and the historic development of democracy. It is required of any senior who has not previously taken the course. This class fulfills the state requirement for high school graduation.

Social Studies - Electives

Applied Psychology 1 semester grades 10-12

The central focus of this course will be on personality, abnormality and adjustment. The student will investigate sources of stress and coping strategies. What does it take to be well adjusted in today's society? The student will also identify abnormal behaviors and discover how psychologists use various methods in treatment and therapy. This course is an elective and is structured to be a pre-college course.

Geography 1 semester grades 10-12

This course is an excellent complement to the other social studies courses. It is organized around the five themes of geography: location, place, regions, movement, and human-environmental interaction. The world's regions and cultures are studied within the context of these five themes.

Macroeconomics 1 semester grade 12

Prerequisite: Economics

This course examines the principles of economics that apply to the functions of individual decision makers, both producers and consumers, within the larger economy. The following topics will be studied: the economic problem, the market system, supply and demand, elasticity, costs of production, pure competition, and monopoly. Additionally, this course provides the opportunity to develop the patient reading skills required by denser and more difficult texts.

Microeconomics 1 semester grade 12

Prerequisite: Economics

This course examines the principles of economics that apply to the functions of individual decision makers, both producers and consumers, within the larger economy. The following topics will be studied: the economic problem, the market system, supply and demand, elasticity, costs of production, pure competition, and monopoly. Additionally, this course provides the opportunity to develop the patient reading skills required by denser and more difficult texts.

Psychology 1 semester grades 10-12

Psychology is the study of human behavior and mental processes. Information is provided on the learning process, memory, the nervous system, motivation and emotion, and the life span. Psychology is an elective and is structured to be a pre-college course. The content will provide useful insight into your own and other people's behavior.

Technology Science - Electives

Careers and Tech Exploration 1 semester grades 9-12

This course offers self-motivated students the opportunity to explore various careers and technology. The course content is very flexible and tailored to student interest, but will be structured around the following themes: digital technology & computing, communication & digital media, bioethics & the environment, progress, industry & engineering, vocation/career discernment, and a culminating project. Students may take this course multiple times with the course becoming more focused on their discerned vocation. The course will then become based on a capstone project that reflects the mastery of the student's chosen field and results of student research.

Intro to Engineering Design 2 semesters grades 9-12

AutoDesk Inventor and 3D design software are used to transition ideas from process to product testing to manufacturing and production. Students produce working prototypes while completing projects, activities, and problems. Teamwork refines designs and improves products with students to document solutions for effective communication to multiple audiences.



Principles of Engineering 2 semesters grades 9-12

Principles Of Engineering (POE) is a high school-level survey course of engineering. The course exposes students to some of the major concepts that they will encounter in a post secondary engineering course of study. Students have an opportunity to investigate engineering and high tech careers. POE gives students the opportunity to develop skills and understanding of course concepts through activity, project, and problem-based (APPB) learning. Used in combination with a teaming approaches, APPB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts. It also allows students to develop strategies to enable and direct their own learning.

Visual Arts - Electives

Basic Photography 1 semester grades 9-12

This one-semester course teaches students the basics of taking photographs. Students learn how to operate their camera, how to adjust for lighting, and how to frame shots. The class involves field trips to take nature/animal pictures, lectures and tests. Students CANNOT gain access to the school newspaper and yearbook staff through this course. Students must have their own camera. Single-reflex cameras are preferred.

Advanced Drawing & Painting 1 semester grades 9-12

Prerequisite: Drawing & Painting

This advanced course will allow the student to expand on 2-dimensional art techniques previously explored as well as new techniques such as bird's eye, worm's eye, and fisheye perspective drawing, and oil painting techniques.

Advanced Pottery 1 semester grades 9-12

Prerequisite: Beginning Pottery

This course will expand on techniques learned in Beginning Pottery as well as introduce advanced hand building and pottery wheel techniques. Students will create nesting bowls, non-functional/sculptural pottery, and a handmade clay mosaic.

Advanced Sculpture/Woodworking 1 semester grades 9-12

Prerequisite: Intro to Sculpture & Woodworking

In this advanced course, students will build off of knowledge they gained from Intro to Sculpture & Woodworking as well as casting resin and carving plaster. Students will have the opportunity to go on a field trip to Habitat Restore in Council Bluffs to find items to build their final project.

Art Foundations 1 semester grades 9-12

Art Foundations is a high school introductory class that focuses on the 7 Elements of Art and how to use those tools to create successful 2-dimensional and 3-dimensional artworks using drawing, painting and sculpture mediums. Each project will be chronologically tied to a historical art time period.

Beginning Pottery 1 semester grades 9-12

This course will be focused on hand-building pottery techniques as well as beginner techniques on the pottery wheel. Students will bring home cups, bowls, and other functional pottery pieces.

Drawing & Painting 1 semester grades 9-12

Students will look into 2-dimensional art and allow them to explore drawing and painting materials. Students will learn how to accurately draw the human form as well as still life objects and scenery. Painting techniques using watercolor and acrylic paint will also be a focus.

Intro to Sculpture/Woodworking 1 semester grades 9-12

This class will give students the opportunity to work with materials and building supplies that they may use in their adult life such as plaster, various types of wood, including reclaimed pallet wood, and woodworking tools such as a battery powered drill, an orbital saw, a chop saw, etc. Students will work from a plan to build a functional wood project.

Senior Tile Project 1 semester (spring) grade 12 only

This class is designated for seniors who have had Art Foundations and one other art class who would like to leave their mark on their school. Senior ceiling tiles are a tradition that is earned through taking appropriate prerequisites and consistently mature behavior throughout all classes.

