

Osmond Community Schools

7-12th Grade Course Descriptions



Updated March 2015

Agriculture Education

Course Name: Introduction to Agriculture

Current Instructor: Ms. Jessica Bayer

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Any student who is interested in the agriculture industry and an agriculturally related career.

Course Description:

This course is designed to be a comprehensive overview of the agricultural industry and the industry-based sciences. Topics to be discussed in this course include natural resources, integrated pest management, plant sciences, animal sciences, food science, and communication and management, this introductory course lays the foundation for all of your future studies in agricultural education.

Course Name: Plant Science

Current Instructor: Ms. Jessica Bayer

Length of Course: 1 Semester

Prerequisite(s): None

Recommended Grade Levels: Grades 10-12

Students who are recommended to take this course: Any student who is interested in the agriculture industry and an agriculturally related career, especially those areas related to soil composition and plant growth.

Course Description:

This course covers topics such as plant cells, growth reproduction and genetics, plant identification and classification, soil composition and management, plants as crops, plant pests, agronomy, and environmental factors. Students will take part in hands on plant identification labs as well as land and soil judging.

Course Name: Horticulture

Current Instructor Ms. Jessica Bayer

Length of Course: 1 Semester

Prerequisite(s): Plant Science

Recommended Grade Levels: Grades 10-12

Students who are recommended to take this course: Any student who is interested in the agriculture industry and an agriculturally related career, especially those areas related to plant growth and floral design.

Course Description:

This course covers the relationship between horticulture and the environment, plant propagation, media, nutrients and fertilizers, plant growth regulators, post-harvest physiology and pest management, greenhouse structures, as well as nursery site selection, development, and facilities. It will also cover producing nursery crops and floral design.

Art

Course Name: Junior High Art

Current Instructor: Ms. Jessica Bayer

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: Grades 7-8

Students who are recommended to take this course: Any student who likes to draw, paint, or create.

Course Description:

This course covers paintings of the Joslyn Art Museum. Students will complete projects in the areas of drawing, painting, and sculpture. Students are required to pay an Art Lab Fee of \$15.00 per semester to help cover the costs of consumable art supplies. This must be paid by the end of the first week of class.

Course Name: Art 1

Current Instructor: Ms. Jessica Bayer

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 9-12

Students who are recommended to take this course: Any student who likes to draw, paint, or create. (Limited to 12 per combined Art 1 & Art 2 classes.)

Course Description:

This course covers Roman Art history. Students will complete projects in the areas of drawing, painting, pottery, sculpture, printmaking, and textiles. Students are required to pay an Art Lab Fee of \$15.00 per semester to help cover the costs of consumable art supplies. This must be paid by the end of the first week of class.

Course Name: Art 2

Current Instructor: Ms. Jessica Bayer

Length of Course: Year Long

Prerequisite(s): Art 1

Recommended Grade Levels 10-12

Students who are recommended to take this course: Any student who enjoyed and was successful in Art 1. (Limited to 12 per combined Art 1 & Art 2 classes.)

Course Description:

This course covers Greek Art history. Students will complete projects in the areas of drawing, painting, pottery, sculpture, printmaking, and textiles. Students are required to pay an Art Lab Fee of \$15.00 per semester to help cover the costs of consumable art supplies. This must be paid by the end of the first week of class.

Course Name: Art 3

Current Instructor: Ms. Jessica Bayer

Length of Course Year Long

Prerequisite(s): Art 1 & Art 2

Recommended Grade Levels: Grades 11-12

Students who are recommended to take this course: Any student who successfully completed both Art 1 & Art2. Instructor permission required.

Course Description:

This course covers Modern Art history. Students will complete projects in the areas of drawing, painting, pottery, sculpture, printmaking, and textiles. Students are required to pay an Art Lab Fee of \$15.00 per semester to help cover the costs of consumable art supplies. This must be paid by the end of the first week of class.

Course Name: Art 4

Current Instructor: Ms. Jessica Bayer

Length of Course: Year Long

Prerequisite(s): Art 1, Art 2, & Art3

Recommended Grade Levels: Grades 12

Students who are recommended to take this course: Any student who has successfully completed Art 1, Art 2, and Art 3. Instructor permission required.

Course Description:

Students in this course are to document their artwork and prepare a digital portfolio for submission for advanced training. Students are required to complete art work independently for inclusion in their portfolio. Students in this class will also discuss current Art history trends and issues. Students are required to pay an Art Lab Fee of \$15.00 per semester to help cover the costs of consumable art supplies. This must be paid by the end of the first week of class.

Business Education

Course Name: Accounting I

Current Instructor: Mrs. Beth Manzer

Length of Course: One Year

Prerequisite(s): None

Recommended Grade Levels: 11-12

Students who are recommended to take this course: Any student who wants to prepare for a career in accounting or other business field. All students should realize that their careers will need a basic understanding of the language of the business world and that it can be found in Accounting.

Course Description:

The first year of Accounting progresses through the complete accounting cycle for a sole proprietorship, partnership and corporation. Various forms and records are introduced for each type of business. Automated Accounting is used throughout the year, as well as the manual method.

Course Name: Accounting II

Current Instructor: Mrs. Beth Manzer

Length of Course One Year **Prerequisite(s):** Accounting I

Recommended Grade Levels: 12

Students who are recommended to take this course: Individuals who are planning post-secondary schooling in the Business field, especially banking and financing, accounting, business administration and business management.

Course Description:

This course emphasizes different types of business ownership and the forms used in each.

The second year of Accounting focuses on end-of-fiscal period work for each type of business organization.

Course Name: Exploratory Business

Current Instructor: Mrs. Beth Manzer

Length of Course: 9 Weeks **Prerequisite(s):** None

Recommended Grade Levels: 8th Grade

Students who are recommended to take this course: Required for all 8th grade students as part of their Block period.

Course Description:

This course is designed to give students an introduction to understanding the role of business in our society.

Course Name: Information Technology Applications **Current Instructor:** Mrs. Beth Manzer

Length of Course: One Year **Prerequisite(s):** Keyboarding Skills

Recommended Grade Levels: 9-12 (Priority 9th grade)

Students who are recommended to take this course: Any student who wants to be able to utilize various Microsoft Office applications on the computer.

Course Description:

The applications taught in this course will be from the Microsoft Office Suite. Word Processing documents, flyers, brochures, and other types of useful and creative documents will be made. Excel will highlight the use of a spreadsheet to create charts and calculate data. Desktop publishing will be emphasized using PowerPoint and Publisher.

Course Name: Introduction to Business **Current Instructor:** Mrs. Beth Manzer

Length of Course: One Year **Prerequisite(s):** None

Recommended Grade Levels: 10, 11, 12

Students who are recommended to take this course: Students who want to develop an understanding of their role as a consumer in the business world.

Course Description:

This course is designed to teach personal financial management, career selection, and the importance of human relations in the work place.

Course Name: Personal Finance **Current Instructor:** Mrs. Beth Manzer

Length of Course: One Semester **Prerequisite(s):** None

Recommended Grade Levels: 11th Grade

Students who are recommended to take this course: This course is required for all juniors.

Course Description:

This class will prepare students to use resources that will help them plan possible career choices. Instruction will include the job applications process (letters of application, resumés, job application forms and interviewing), budgeting and spending plans, credit, investments, taxes, and consumer buying. Students will learn to make rational decisions about their lives.

Course Name: Advanced Foods

Current Instructor: Ms. Jessica Bayer

Length of Course: 1 Semester

Prerequisite(s): None

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Any student who is interested in a career related to food service, nutrition, food science, restaurant management, or anyone interested in preparing foods and meal management. (Limited to 12 students.)

Course Description:

This class will discuss the basics of nutrition, consumer skills and food preparation. It will also cover current topics like food science, global foods, food safety, and wellness. The principles of nutrition and its relationship to an individual's health; the selection, preparation and care of food; meal management; food economics and ecology and the maximizing of the food dollar will all be discussed in this class. Students will participate in numerous food labs. Food science experiments will also be performed.

Course Name: Family & Consumer Sciences

Current Instructor: Ms. Jessica Bayer

Length of Course: Full Year

Prerequisite(s): None

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Any student who is interested in a career involving clothing and fashion, food and nutrition, interior design, child development, consumer education and parenting.

Course Description:

This class will include a comprehensive study of the six areas of Family & Consumer Sciences; family relationships, clothing and textiles, food and nutrition, child development, housing and interior design, and consumerism and resource management. Practical hands-on-experience provided in all areas.

Course Name: Interior Design
Bayer

Current Instructor: Ms. Jessica

Length of Course: 1 Semester

Prerequisite(s) : None

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Any student who is interested in a career or job opportunity that will also apply to their own life.

Course Description:

Interior Design will give practical information about planning, building, and decorating a home. Students will be introduced to the elements and principles of design. They will be instructed about the design process, with information on selecting and arranging backgrounds, furniture, lighting, and accessories. Students will show how to apply design principles to specific rooms such as kitchens, bathrooms, dining, living, bedrooms and storage areas.

Foreign Language

Course Name: Spanish 1 **Current Instructor:** Randy Jochum

Length of Course: Year Long **Prerequisite(s):** None

Recommended Grade Levels (s): 9-10

Students who are recommended to take this course: Students having a “C” or better in English or instructor permission. Any students with a desire to learn the basics of the Spanish language for general interest sake or for potential employment reasons. Any students looking to fulfill college entry requirements would be interested as many universities are requiring 1-2 years of a foreign language.

*LIMIT OF 18

Course Description:

This course will introduce the student to the vocabulary, grammatical structure, and culture of the Spanish language. Students will be taught the basic skill of language learning, listening, speaking, reading, and writing through small group activities, large group activities, reading, writing, and project activities, as well as a series of practice worksheets, quizzes, and exams. The course is cumulative.

Course name: Spanish II **Current Instructor:** Randy Jochum

Length of Course: Year Long **Prerequisite(s):** Spanish I

Recommended Grade Levels: 11-12

Students who are recommended to take this course: Students having a “C” or better in Spanish I or instructor permission. Any student with a desire to improve upon the basics of the Spanish language for general interest sake or for potential employment reasons. Any students looking to fulfill college entry requirements would be interested as many universities are requiring 1-2 years of a foreign language.

*LIMIT OF 18

Course Description:

This course will increase the student’s skills in vocabulary, grammatical structure, and culture of the Spanish language. Students will practice the basic skill of language learning, listening, speaking, reading, and writing through small group activities, large group activities, reading, writing, and project activities, as well as a series or practice worksheets, quizzes, and exams. Students will practice Spanish in everyday situations, do projects to enhance the real life dynamics of the language and venture into more complex tense structures. The course is cumulative.

Course Name: Spanish III **Current Instructor:** Randy Jochum

Length of Course: Year Long **Prerequisite(s):** Spanish I-Spanish II

Recommended Grade Levels: 11-12

Students who are recommended to take this course: Students having an A or B average in Spanish I and II. Any student with a desire to improve upon the basics of the Spanish language for general interest sake, potential employment reasons, or enhancement of college studies.

Course Description:

This course will increase the student's skills in vocabulary, grammatical structure, and culture of the Spanish language. Students will practice the basic skill of language learning, listening, speaking, reading, and writing through small group activities, large group activities, reading, writing, and project activities, with daily use of Rosetta stone materials.

Course Name: CAD Design and Advanced CAD **Current Instructor:** Mr. Joe Ortmeier

Length of Course: Year Long **Prerequisite(s):** Communication System advised

Recommended Grade Levels: 10 through 12

Students who are recommended to take this course: Students who are planning post-secondary educations in the area of construction, architectural design, engineering or graphic designs are strongly advised to enroll in this course.

Course Description:

Students will be instructed in advanced computer aided drafting and design techniques, architectural drafting including floor plan design and presentation drawings using Chief Architect software. Mechanical drawings of all types will be created with Draft Sight software and SolidWorks software.

Course Name: Communication Systems

Current Instructor: Mr. Joe Ortmeier

Length of Course: Year Long

Prerequisite(s): none

Recommended Grade Levels: 9 through 12

Students who are recommended to take this course: Students who are planning post-secondary education in the area of construction, engineering or CAD Design are strongly advised to enroll in this course.

Course Description:

This course includes all phases of mechanical drafting on a drawing board, and using Draft Sight software. Also included will be silk screen printing, poster design, and other areas of communication.

Course Name: Construction Systems

Current Instructor: Mr. Joe Ortmeier

Length of Course: Year Long

Prerequisite(s): none

Recommended Grade Levels: 12

Students who are recommended to take this course: Students who are planning post-secondary education in the area of construction or architectural design are strongly advised to enroll in this course. Also students considering a career working in construction.

Course Description:

Residential construction will be studied. Basic framing, wiring, plumbing, and interior finishing, along with remodeling and home improvements will be included. Home design and the development of floor plans and presentation drawings using Chief Architect software will be completed.

Course Name: Exploratory - 8

Current Instructor: Mr. Joe Ortmeier

Length of Course One semester

Prerequisite(s): none

Recommended Grade Levels: 8

Students who are recommended to take this course: Students who are in the eighth grade are advised to enroll in this course.

Course Description:

This is a semester long class that introduces eight-grade students to the Industrial Technology area. Technology is studied as to what it is and how it affects our daily lives. Also careers in Technology are studied. Students will manufacture a woods project; build a rubber band vehicle as well as a glider and a model rocket. Simple machines and problem solving will also be covered and an introduction to CAD drafting.

Course Name: Manufacturing Systems

Current Instructor: Mr. Joe Ortmeier

Length of Course: Year Long

Prerequisite(s): none

Recommended Grade Levels: 11 and 12

Students who are recommended to take this course: Students who are planning post-secondary education in the area of building construction or furniture manufacturing as well as welding and metal fabrication are advised to enroll in this course.

Course Description:

Students will learn about industry and its related fields. A semester of Woodworking that covers safety practices and power tool maintenance as well as producing a wood project. Also a Semester of welding instruction to include safe operations and technique of Oxyacetylene welding, Shielded Metal Arc Welding and Gas Metal Arc Welding. Area of study covers pre-industrial revolution to the present.

Course Name: Power Tech

Current Instructor: Mr. Joe Ortmeier

Length of Course: One Quarter

Prerequisite(s): none

Recommended Grade Levels: 9 and 10

Students who are recommended to take this course: Students who are planning post-secondary education in the area of automotive or diesel repair or small engine repair are advised to enroll in this course.

Course Description:

A one-quarter course dealing with small gas engines. Areas of study include all systems, theory of operation, tune-up, general overhaul, and troubleshooting.

Course Name: Transportation Systems

Current Instructor: Mr. Joe Ortmeier

Length of Course: One semester

Prerequisite(s): none

Recommended Grade Levels: 9 and 10

Students who are recommended to take this course: Students who are planning post-

secondary education in the area of energy and power development and maintenance are advised to enroll in this course.

Course Description:

A semester course involving the study of power, energy, and areas of transportation. Students follow these areas from early types of technology to today and their effects on society and the environment.

Course Name: Woods -1 Tech

Current Instructor: Mr. Joe Ortmeier

Length of Course: One Quarter

Prerequisite(s): none

Recommended Grade Levels: 9 and 10

Students who are recommended to take this course: Students who are planning post-secondary education in the area of building construction or furniture manufacturing are advised to enroll in this course.

Course Description:

A one-quarter course introducing students to the wood working industry and career opportunities. Safety and proper operations of hand and power tools is stressed. Project design and material selection as well as assembly techniques and finishing are studied.

Language Arts

Course Name: Language Arts 6

Current Instructor: Mr. Rod Brummels

Length of Course: Two Semesters

Prerequisite(s): None

Recommended Grade Levels: 6

Students who are recommended to take this course: All 6th grade students are required to take this class.

Course Description: The class focuses on the following:

1. Grammar basics
2. Conventions
3. Writing
 - a. Base sentence structure
 - b. Types of sentences
 - c. Paragraph
 - i. Coherency
 - ii. Unity
 - iii. Styles

Course Name: Language Arts 7

Current Instructor: Mr. Rod Brummels

Length of Course: Two Semesters

Prerequisite(s): None

Recommended Grade Levels: 7

Students who are recommended to take this course: All 7th grade students are required to take this class.

Course Description: The class focuses on the following:

1. Grammar
2. Conventions
3. Writing
 - a. The paragraph
 - i. Coherency
 - ii. Unity
 - iii. Styles
 - b. Five paragraph essay
 - i. Descriptive
 1. Structure
 2. Transitions
4. Spelling
5. Literature
 - a. Genre
 - b. Literary terms
 - c. Summarizing

Course Name: Reading 7th

Current Instructor: Mrs. Schmit

Length: Year-long

Prerequisite(s): None

Recommended Grade Level: 7th grade

Students who are recommended to take this course: Seventh graders who have achieved basic reading skills and would like to enrich their reading through a variety of genres.

Course description:

Students in reading 7 will sharpen reading skills that are used in a variety of genres. Students will also be exposed to academic and content vocabulary through reading and speaking and will use the vocabulary to heighten comprehension. Students will be responsible for independent reading throughout the year.

Course Name: Language Arts 8

Current Instructor: Mr. Rod Brummels

Length of Course: Two Semesters

Prerequisite(s): None

Recommended Grade Levels: 8

Students who are recommended to take this course: All 8th grade students are required to take this class.

Course Description: The class focuses on the following:

1. Grammar
2. Conventions
3. Writing
 - a. The paragraph
 - i. Coherency
 - ii. Unity
 - iii. Styles
 - b. Five paragraph essay
 - i. Descriptive
 1. Structure
 2. Transitions
4. Spelling
5. Literature
 - a. Genre
 - b. Literary terms
 - c. Summarizing

Course Name: English 9

Current Instructor: Mr. Rod Brummels

Length of Course: Two Semesters

Prerequisite(s): None

Recommended Grade Levels: Freshman

Students who are recommended to take this course: All 9th grade students are required to take this class.

Course Description: The class focuses on the following:

1. Vocabulary
 - a. Latin/Greek Roots
 - b. Prefixes
 - c. Suffixes
2. Conventions
3. Writing
 - a. The paragraph
 - i. Coherency
 - ii. Unity
 - iii. Purpose
 - b. Five paragraph essay
 - i. Expository
4. Literature
 - a. Genre
 - b. Literary terms
 - c. Interpretation/appreciation

Course Name: Sophomore English 1-2

Current Instructor: Scott Morrison

(Weighted Course: 70% Total Points, 30% Accelerated Reader)

Length of Course: Year Long

Prerequisite(s): Freshman English

Recommended Grade Levels: 10th

Students who are recommended to take this course: Required

Course Description:

Sophomore English 1 and 2 are comprised of several aspects including “In-Class reading”, “Out of Class Reading”, “The Verbal Edge”, “Writing”, “Grammar-Usage-Mechanics”, “Analogies”, “Testing”, and “Distance Learning”. We will read *Of Mice and Men*, *The Call of the Wild*, and several short stories from Edgar Allan Poe. Students will also watch *The Fiddler on the Roof*. Outside of class the students are asked to read four novels and four newspaper articles. The students will master 84 new vocabulary words. They will have a persuasive writing unit, a research paper, and learn about MLA style. The students will have at least 40 different grammar-usage-mechanics lessons. Students will have a daily analogy. Students will take four STAR reading tests, two MAPS tests, and an occasional Classroom Literacy test. They will participate in two distance learning events throughout the year.

Course Name: Junior English 1-2

Current Instructor: Mr. Scott Morrison

(Weighted Course: 70% Total Points, 30% Accelerated Reader)

Length of Course Year Long

Prerequisite(s): Sophomore English 1-2

Recommended Grade Levels: 11

Students who are recommended to take this course: Required

Course Description:

Junior English 1 and 2 are comprised of several aspects including “In-Class reading”, “Out of Class Reading”, “The Verbal Edge”, “Writing”, “Grammar-Usage-Mechanics”, “Analogies”, “Testing”, and “Distance Learning”. We will read *The Great Gatsby*, *Beowulf*, and *A Connecticut Yankee in King Arthur’s Court*. Outside of class the students are asked to read four novels and four newspaper articles. The students will master 84 new vocabulary words. They will have a persuasive writing unit, a research paper, and learn about APA style. The students will have at least 40 different grammar-usage-mechanics lessons. Students will have a daily analogy. Students will take four STAR reading tests, two MAPS tests, the state writing test, and an occasional Classroom Literacy test. They will participate in two distance learning events throughout the year.

Course Name: Senior English (Composition and Literature)

Current Instructor: Mr. Scott Morrison

(Weighted Course: 70% Total Points, 30% Accelerated Reader)

Length of Course: Year Long (1 semester Composition/1 Semester Literature)

Prerequisite: Junior English

Recommended Grade Level: 12

Students who are recommended to take the course:

- Required (for high school)
- Dual-Credit (for college credit)

Course Description:

Senior English is comprised of two different aspects: literature and composition. This is a dual-enrollment course where students can earn high school credit and college credit. Students have the choice to earn college credit.

Literature will include “The Verbal Edge”, “Accelerated Reading” and several readings themed in vampire literature. The texts for this course include *The Penguin Book of Vampire Stories*, *Dracula*, *Interview with the Vampire*, and *Eye Killers*.

In composition, students will participate in “The Verbal Edge”, “Accelerated Reading”, a narrative essay, an evaluative essay, a “Response to Sources” essay, a persuasive writing and research writing.

Course Name: Broadcasting

Current Instructor: Mr. Morrison

(Total Points)

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 9-12

Students who are recommended to take this course: Students who are interested in learning how movies are made and who are interested in making amateur films.

Course Description:

Students in broadcasting learn about various movies directing/creating techniques and incorporate these techniques into their own cinema. Throughout the first quarter students will use *Understanding Movies* to learn about various techniques regarding photography, the scene, movement, and editing. In the second quarter the students will be asked to make several scenes/movies using what they learned from the first quarter.

Mathematics

Course Name: Math 7

Current Instructor: Mr. Larry McKenna

Length of Course: Yearlong

Prerequisites: None

Recommended Grade Level: 7

Students who are recommended to take this course:

This course is a required course to meet graduation requirements

Course Description:

This course will cover topics in mathematics necessary to continue higher learning in math such as Integers and Rational numbers, solving equations and inequalities, rates ratios and proportions, percents, geometry and area, surface area and volume, and analyzing data and probability.

Course Name: Math 8

Current Instructor: Mrs. Sarah Morfeld

Length of Course: Year Long

Prerequisite(s): Math 7

Recommended Grade Levels: 8

Students who are recommended to take this course: Any student who has successfully completed Math 7.

Course Description:

The course content focuses on skills required to take an Algebra 1 course. Topics include learning the number systems and properties of numbers. A lot of emphasis is placed on solving linear equations with multiple steps and rational numbers. Students also begin learning basic geometry concepts including perimeter, area, surface area, and volume of both two-dimensional and three-dimensional shapes.

Course Name: Algebra 1 (8th Grade)

Current Instructor: Mrs. Sarah Morfeld

Length of Course: Year Long

Prerequisites): Math 7

Recommended Grade Level: 8

Students who are recommended to take this course:

Any student who has successfully completed Math 7 with at least one of the following criteria met:

- math GPA of an A
- Exceed standards on NeSA Math test
- Exceed standards on MAPs test

Course Description:

The course content includes working with properties of real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, solving and graphing linear inequalities, systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring, rational expression and equations, and radicals and connections to Geometry.

Course Name: Algebra 1

Current Instructor: Mrs. Sarah Morfeld

Length of Course: Year Long

Prerequisite(s): Math 8

Recommended Grade Levels: 9

Students who are recommended to take this course: Any student who has successfully completed Math 8.

Course Description:

The course content includes working with properties of real numbers, solving linear equations, graphing linear equations and functions, writing linear equations, solving and graphing linear inequalities, systems of linear equations and inequalities, exponents and exponential functions, quadratic equations and functions, polynomials and factoring, rational expression and equations, and radicals and connections to Geometry.

Course Name: Geometry

Current Instructor: Mrs. Sarah Morfeld

Length of Course: Year Long

Prerequisite(s): Algebra 1

Recommended Grade Levels: 10-12

Students who are recommended to take this course: Any student who has successfully completed Algebra 1

Course Description:

The objective of this course is to help the student understand plane and space relationships and introduces the logical development of a mathematical system. Topics covered are: basic spatial concepts, deductive proofs, parallelism, perpendicularity, congruence, quadrilaterals, ratio and proportion, similar polygons, the Pythagorean Theorem, right triangle trigonometry, circles, coordinate geometry, regular polygons, areas, and volumes.

Course Name: Applied Math

Current Instructor: Mr. Larry McKenna

Length of Course: Year Long

Prerequisite(s): Algebra I

Recommended Grade Levels: 10-12

Students who are recommended to take this course: Any student planning on entering technical, trade or allied health programs.

Course Description:

Class designed to cover topics in mathematics needed to learn a technical skill in a 1 or 2 year college. The course emphasizes the problem solving skills that are essential for success in technical courses. Class reviews grade 11 Nebraska Math Standards

Course Name: Consumer Math

Current Instructor: Mr. Larry McKenna

Length of Course Year Long

Prerequisite(s): Algebra 1

Recommended Grade Levels: 11 and 12

Students who are recommended to take this course: This course is recommended for students who are interested in understanding and applying math skills in the real-world of Business and Personal Finance.

Course Description:

This course is divided into six units. The first unit contains workshops that provide a primer of basic math skills. The next five units contain three to five chapters that will help students use math in the real world. These units include; managing your money, managing your expenses, making financial decisions, Making business decisions, and managing business finances.

Course Name: Algebra 2

Current Instructor: Mrs. Sarah Morfeld

Length of Course: Year Long

Prerequisite(s): Geometry

Recommended Grade Levels: 11-12

Students who are recommended to take this course: Any student who has successfully completed Algebra 1 and Geometry

Course Description:

Algebra 2 is a college prep course which emphasizes review of Algebra 1, the Real and Complex Number Systems, solving equations and inequalities, and functions including linear, quadratic, exponential, logarithmic, and rational. Sequences and series, determinants, conic sections, the Binomial Theorem, permutations, combinations, and probability will also be covered. We will also study some basic trigonometric equations.

Course Name: Advanced Math

Current Instructor: Mrs. Sarah Morfeld

Length of Course Year Long

Prerequisite(s): Algebra 2

Recommended Grade Levels: 12

Students who are recommended to take this course: Any student planning post-secondary

education (college or technical school) are strongly advised to enroll in this course. Nearly all 4-year colleges require 3 years of high school mathematics and encourage students to take a 4th year of high school math.

Course Description:

Advanced Math extends the students' knowledge into new mathematical areas and prepares them for first year college courses. Topics included are a review of Algebra 2 content of linear and non-linear equations and functions and conic sections. Then students will gain a deeper understanding of trigonometric functions, identities, double-and-half-angle identities, and solving trigonometric equations. Other topics include: vectors, parametric equations and an introductory to basic calculus concepts.

Music Education (Instrumental and Vocal)

Course Name: Junior High Band **Current Instructor:** Ms. Christalin Mason

Length of Course: Year Long **Recommended Grade Levels:** 7-8

Prerequisite(s): Student must have a minimum of two year of experience, as well as, received a minimum score of 94% on the Sixth Grade Proficiency Test OR Instructor approval.

Students who are recommended to take this course: Students who: enjoy working with other students; wish to develop their individual talents; wish to experience the thrill of playing well with others and for others; wish to develop a desire to listen to good music; wish to develop self-discipline; are highly motivated; or wish to develop a means of expressing themselves creatively through music.

Course Description: Junior High Band will consist of two or three, fifty minute, classes per week. A thirty minute private lesson, once a week, is available for those students, who require, or desire, extra help. Scheduling does not allow for all students to take private lessons during the school year but a six pieces. Emphasis will be placed on the fundamentals of good tone quality, intonation, balance/blend, articulations, dynamics, phrasing, key signatures, precision, and rhythmic accuracy. Students will begin the study of marching band fundamentals. Students will also begin the study of materials suitable for use as a pep band in support of athletics in the school.

Course Name: Senior High Band

Current Instructor: Ms. Christalin Mason

Length of Course: Year Long

Recommended Grade Levels: 9-12

Prerequisite(s): Student must have a minimum of four years of experience, as well as, received a minimum score of 94% on the Junior High Proficiency Test OR Instructor approval.

Students who are recommended to take this course: Students who: enjoy working with other students; wish to develop their individual talents; wish to experience the thrill of playing well with others and for others; wish to develop a desire to listen to good music; have developed self-discipline; are highly motivated; or wish to develop a means of expressing themselves creatively through music.

Course Description:

Senior High Band will consist of five, fifty minute, classes per week. Private lessons are available to any student who desires or requires extra help. A six week summer session is open for lessons to the ambitious student. Students will continue to study literature from a variety of styles and musical periods. Increased sensitivity to pitch, melodic line, tone quality, articulations, dynamics, phrasing, key signatures, precision, balance/blend and more complex rhythmic patterns will be the focus of the class. A pep band will provide students the opportunity to study the pop/rock/swing idioms as well as support athletics within the school. Senior band will include the study of performance in marching band, concert band, jazz band and small groups, as well as, solo work for the highly motivated student.

Course Name: Junior High Music

Current Instructor: Ms. Christalin Mason

Length of Course: Year Long

Recommended Grade Levels: Grades 7-8

Prerequisite(s): None – All junior high students are required to take junior high music.

Students who are recommended to take this course: Students enrolled in this course will: enjoy working with other students; wish to develop their individual talents; experience the thrill of singing well with others and for others; develop a desire to listen to good music; develop self-

discipline; be highly motivated; and develop a means of expressing themselves creatively through music.

Course Description:

Junior High Music will consist of two or three, fifty minute, classes per week. A thirty minute private lesson, once a week, is available for those students, who require, or desire, extra help. Scheduling does not allow for all students to take private lessons during the school year but a six. week summer session does provide time for the ambitious student. Students will begin the study of music from a variety of styles, genres and musical periods and will program representative

pieces. Emphasis will be placed on the fundamentals of good tone quality, melodic line, pitch accuracy, balance/blend, vowel formation, dynamics, phrasing, diction, and rhythmic accuracy. Junior High Music will include the study of performance in mixed chorus, swing choir, women's choir, men's choir, as well as, solo work for the highly motivated student.

Course Name: Senior High Choir **Current Instructor:** Ms. Christalin Mason

Length of Course: Year Long **Prerequisite(s):** Must have Instructor Approval.

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Students who: enjoy working with other students; wish to develop their individual talents; wish to experience the thrill of singing well with others and for others; wish to develop a desire to listen to good music; wish to develop self-discipline; are highly motivated; or wish to develop a means of expressing themselves creatively through music.

Course Description:

Senior High Choir will consist of five, fifty minute, classes per week. Private lessons are available to any student who desires or requires extra help. Students will continue to study literature from a variety of styles and musical periods. Increased sensitivity to pitch, melodic line, tone quality, vowel formation, dynamics, phrasing, diction, balance/blend and more complex rhythmic patterns will be the focus of the class. Senior choir will include the study of performance in mixed chorus, swing choir, women's choir, men's choir, and small groups, as well as, solo work for the highly motivated student.

Course Name: Music Appreciation **Current Instructor:** Ms. Christalin Mason

Length of Course: Year Long **Prerequisite(s):** Must have Instructor Approval.

Recommended Grade Levels: Grades 9-12

Students who are recommended to take this course: Students who: enjoy working with other students; wish to develop their individual talents; wish to experience the thrill of singing well

with others and for others; wish to develop a desire to listen to good music; wish to develop self-discipline; are highly motivated; or wish to develop a means of expressing themselves creatively through music.

Course Description:

Music Appreciation is a listening class designed to expose students to a multitude of styles, genres and historical periods of music. Through listening guides and class discussion, students will learn how music is written and how to effectively listen as to gain a greater appreciation for its craftsmanship. The class will begin with the history of Early European music and move up through modern popular music with focus on Symphonic music, Jazz and Rock. Students will develop a knowledge of proper listening skills, historical cultural knowledge, and aesthetic analytical techniques. Music Appreciation is an elective course open to any student at Osmond High School without prerequisite or performance ability.

Physical Education

Course Name: Jr. High PE

Current Instructor: Mr. Todd Schulze

Length of Course: Yearlong

Prerequisite(s): None

Recommended Grade Levels: 7th and 8th

Students who are recommended to take this course: Any student interested in improving their physical, mental, emotional, and social health. This course is required for all 7th and 8th grade students.

Course Description:

This is a class that educates students on the benefits of living a healthy and active lifestyle. Students will participate in a variety of physical fitness activities, ranging from team sports to lifetime activities.

Course Name: 9th grade PE

Current Instructor: Mr. Todd Schulze

Length of Course: Yearlong

Prerequisite(s): Jr. High PE

Recommended Grade Levels: 9th

Students who are recommended to take this course: Any student interested in improving their physical, mental, emotional, and social health, along with learning health information they can apply to their daily lives. This course is required for all 9th grade students.

Course Description:

This is a class that educates students on the benefits of living a healthy and active lifestyle. Students will participate in a variety of physical fitness activities, ranging from team sports to lifetime activities. Students will also complete a 9 week health education course, allowing them to learn valuable information they can use to improve their health and the health of others.

Course Name: Advanced PE

Current Instructor: Mr. Todd Schulze

Length of Course: Year Long

Prerequisite(s): Jr. High PE and 9th PE

Recommended Grade Levels: 11th and 12th

Students who are recommended to take this course: Any student interested in improving their

physical, mental, emotional, and social health. Any student interested in a career pertaining to health and fitness is encouraged to take this course.

Course Description:

This is a class that educates students on the benefits of living a healthy and active lifestyle. Students will participate in a variety of physical fitness activities, ranging from team sports to lifetime activities. This course will get more in depth about the mechanics and strategy of each activity.

Course Name: Weight Training

Current Instructor: Mr. Todd Schulze

Length of Course: Year Long

Prerequisites: Jr. High PE, 9th PE

Recommended Grade Levels: 10th, 11th and 12th

Students who are recommended to take this course: Any student interested in improving their physical, mental, emotional, and social health.

Course Description:

The emphasis of this class is strength development. Students will also be introduced to activities that can improve speed, agility, flexibility, and injury prevention.

Course Name Weight Training

Current Instructor: Mr. Rod Brummels

Length of Course Two Semesters

Prerequisite(s): None

Recommended Grade Levels: Grades (9-12)

Students who are recommended to take this course: Any 9th through 12th grade students interested in Weight training

Course Description:

The class focuses on the following:

1. Correct weight lifting techniques
 - a. Free weights
 - b. Machines
2. Athletic development
 - a. Strength
 - b. Quickness
 - c. Speed
 - d. Agility

Science

Course Name: 7th Life Science

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 7

Students who are recommended to take this course: All 7th grade students are required to take this class.

Course Description:

This course will introduce students to cells and the working of the body systems, classification, genetics, animal diversity and ecology.

Course Name: 8th Earth Science

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 8

Students who are recommended to take this course: All 8th grade students are required to take this class.

Course Description:

Topics covered in this class deal with mapping the Earth, study of rocks and minerals, Earth dynamics, weather and climate, and natural resources.

Course Name: Physical Science 9

Current Instructor: Mr. Larry McKenna

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 9

Students who are recommended to take this course: This course is a required course to meet graduation requirements

Course Description:

This course will cover problem solving techniques in the area of science, techniques of investigation, classification, scientific methods, relationships between energy and matter and chemical reactions.

Course Name: Biology 10

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): Physical Science

Recommended Grade Levels: 10-12

Students who are recommended to take this course:

This course is a required course to meet graduation requirements.

Course Description:

The course will cover the basic structures and functions of cells and living things, the importance of inheritance, environmental issues, and scientific methods of investigation.

Course Name: Chemistry

Current Instructor: Mr. Larry McKenna

(Weighted Course)

Length of Course Year Long

Prerequisite(s): Physical Science

Recommended Grade Levels: 11 & 12 graduation requirements

Students who are recommended to take this course: Students who are planning post-secondary education in the area of science and math are strongly advised to enroll in this course.

Course Description:

This course will cover modern chemistry used in today's world, methods in the laboratory, the periodic chart, basic chemical properties and thermodynamics and energy transfer. Honors Course

Course Name: Physics

Current Instructor: Mr. Larry McKenna

(Weighted Course)

Length of Course: Year Long

Prerequisite(s): Algebra 1 and Geometry

Recommended Grade Levels: 11 AND 12

Students who are recommended to take this course: Students who are planning post-secondary education in the area of math and science are strongly advised to enroll in this course.

Course Description:

This course will cover problem solving techniques, physical laws of nature, vectors, scientific method and analysis, structural components of our universe and thermodynamics. (Honors Course)

Course Name: Anatomy
(Weighted Course)

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): Physical Science and Biology

Recommended Grade Levels: 11-12

Students who are recommended to take this course: This course is highly recommended for students who are planning on attending a post-secondary education in the area of science or the medical field.

Course Description:

Anatomy reviews the basic chemical and cellular processes as they relate to the functioning of the human body.

Topics studied in detail are the tissues and blood. Systems studied in detail are skeletal, muscular, and cardiovascular. Other systems are discussed.

Course Name: Environmental Science

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 10-12

Students who are recommended to take this course: Students who are interested in the environment and environmental problems for the future. Hands-on activities will be incorporated

into the class instruction.

Course Description:

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Topics discussed in this class will deal with environmental issues and how man can sustain the environment. Student instruction will look into problems encountered in nature and investigations on how to solve the issues presented.

Course Name: Medical Terminology
(Weighted Course)

Current Instructor: Mrs. Kerri Conn

Length of Course: Year Long

Prerequisite(s): None

Recommended Grade Levels: 11-12

Students who are recommended to take this course: Students who are interested in pursuing an area in the medical field are encouraged to take this class.

Course Description:

This is a college level course where the objective is to provide students with a clear and concise understanding of common medical terms. This is accomplished by building on the foundation of medical terminology by the learning of word roots, prefixes and suffixes.

Social Sciences

Course Name: Ancient World History 7

Current Instructor: Mrs. Janet Brown

Length of Course: Year

Prerequisite(s): None

Recommended Grade Levels: 7

Students who are recommended to take this course: Required to meet Social Studies requirements for district

Course Description:

Students will be introduced to ancient civilizations, the ancient Greek and Roman contributions to history, and study the world through the era of the middle ages and Renaissance.

Course Name: American History 8

Current Instructor: Mrs. Janet Brown

Length of Course: Year

Prerequisite(s): None

Recommended Grade Levels: 8

Students who are recommended to take this course: Required to meet Social Studies requirements for district

Course Description:

Students will study history of the United States from 1867 (Reconstruction era) to the 1920's (roaring 20's).

Course Name: Social Studies 9

Current Instructor: Mrs. Janet Brown

Length of Course: 1st Semester (Civics)
2nd Semester (World Geography)

Prerequisite(s): None

Recommended Grade Levels 9

Students who are recommended to take this course: Required to meet Social Studies requirements for graduation

Course Description:

CIVICS – Students will develop a comprehensive understanding of Civics and be able to develop and apply the skills of civic responsibility to make informed decisions based on knowledge of governments at the local, state, federal, and international level. A brief history of our government system along with a comparison study of other types of governments will be part of this course. A study of the three branches of government, state, and local governments are also examined. The Constitution, rights and responsibilities of citizens, the election process, and political parties will be discussed.

WORLD GEOGRAPHY - Students will develop and apply spatial perspectives and geographic skills to make informed decisions regarding issues and current events at local, state, national, and international levels. Students will gain the skills of map reading, map making, as well as the skills associated with geographic interpretations. Students will learn locations of waterways, physical characteristics, and political boundaries of different areas of the world. Students will also develop a basic understanding and appreciation for environmental and cultural characteristics of different regions of the world.

Course Name: Modern World History 10

Current Instructor: Mrs. Janet Brown

Length of Course: Year

Prerequisite(s): None

Recommended Grade Levels 10

Students who are recommended to take this course: Required to meet Social Studies requirements for graduation

Course Description:

Students will develop and apply historical knowledge and skills to research, analyze, and understand key concepts of past, current, and potential issues and events at the local, state, national, and international level. Students will understand how past events have impacted today's world and how people throughout history have faced similar issues and situations. Areas of content covered in Modern World History include but are not limited to the Renaissance, the Enlightenment and Revolutionary eras from late 1600's-1805; Industrialism and the Colonial Age of 1800-1914; World Wars and Revolution of 1914-1945; and the World Today from 1945 Cold War Era to Present.

Course Name: American History 11 **Current Instructor (s):** Mrs. Janet Brown
Ms. Jennifer Johnson

Length of Course: Year

Prerequisite(s): None

Recommended Grade Levels 11

Students who are recommended to take this course: Required to meet Social Studies requirements for graduation

Course Description:

Students will develop and apply historical knowledge and skills to research, analyze, and understand key concepts of past, current, and potential issues and events at the local, state, national, and international level. This course will be a chronological overview of modern American History from the late 1800's/early 1900's Progressive Era to Present day. There will be an emphasis being made on relating our nation's history to current problems, policies, and current events.

Course Name: Economics 12 / Government 12 **Current Instructor (s):** Mrs. Janet Brown
Ms. Jennifer Johnson

Length of Course: 1st Semester (Economics)
2nd Semester (Government)

Prerequisite(s): None

Recommended Grade Levels 12

Students who are recommended to take this course: Required to meet Social Studies requirements for graduation

Course Description:

ECONOMICS-This course will prepare students to master fundamental economic concepts, applying the tools (graphs, statistics, equations) from other subject areas to the understanding of operations and institutions of economic systems. Students will study the basic economic principles of micro and macroeconomics, international economics, comparative economics systems, measurement and methods.

GOVERNMENT- Student will be introduced to the origins, concepts, organizations, and policies of the United States government and political system. To increase comprehension, students will read and analyze relevant primary and secondary source documents and incorporate these ideas into the assigned material. Topics to be covered include the Constitution, Political Parties, the electoral process, Mass media and public opinion, interest groups, and a brief overview of the three branches of government.

Course Name: History of the West

Current Instructor: Ms. Jennifer Johnson

Length of Course: Semester

Prerequisite(s): None

Recommended Grade Level(s): 11, 12

Students who are recommended to take this course: This course is an elective and is recommended for those interested in pursuing a history/social science degree.

Course Description:

This course covers the role of the West in the development of the United States. The discussion begins with the myth and perception of the American West; moves to Texas, Oregon, and California, the mining frontier, the cowboy, the farming frontier, and the impact of the military. Heroes and legends of the West are also covered. The course ends with the impact of western expansion on the Native American population.

Course Name: Intro to Law

Current Instructor: Ms. Jennifer Johnson

Length of Course: Semester

Prerequisite(s): None

Recommended Grade Level(s): 11, 12

Students who are recommended to take this course: This course is an elective and is recommended for those interested in pursuing a political science/law degree.

Course Description:

This course is meant to provide a practical understanding of the law and legal system. The principles and values of the US Constitution, laws, and legal system are stressed throughout the course. The course begins by covering the court system, crime, and torts. Consumer and housing law, family law, and individual rights and liberties are also covered.

Course Name: Psychology

Current Instructor: Mrs. Janet Brown

Length of Course: 2nd Semester ONLY

Prerequisite(s): None

Recommended Grade Levels 10-12

Students who are recommended to take this course: Any student interested in the Social Sciences and the study of the inner mind. Course designed as introduction to psychology and for any students planning on entering the field of psychology.

Course Description:

Students engage in an introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, students will gain insight into the history of the field of psychology, as well as explore current theories and issues in areas such as cognition, motivation, and wellness. Topics discussed include but are not limited to classical, operant, and social learning; sleep; memory; motivation and emotions; sensations and perceptions; stress; and mental health.

Course Name: Sociology

Current Instructor: Mrs. Janet Brown

Length of Course: 1st Semester ONLY

Prerequisite(s): None

Recommended Grade Levels 10-12

Students who are recommended to take this course: Any student interested in the Social

Sciences and the study of society. Course designed as introduction to Sociology and for any students planning on entering the field of social work or sociology.

Course Description:

Students become socially aware citizens and use their sociological imagination and understanding to be a part of creating an even better world. The more immediate goal is to develop your sociological imagination by introducing students to the field of sociology and the three basic theoretical perspectives used within sociology. Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies, and how people interact within these contexts. Topics discussed include but are not limited to culture, socialization, deviance, race, gender, and family.