



# **Pawnee High School**

**Course Descriptions**

**2019-2020**

# ARTS

*One year of the arts is required for graduation.*

**Art 1** is a yearlong course designed as an introduction to art composition and to art production. This class teaches basic drawing, design, color theory, knowledge of different media and art history. Students apply techniques and theory learned to produce finished art on a beginner level. Students will assemble an art portfolio. A materials fee of \$12.00 is required.

**Art 2** is a yearlong course designed for students who are serious about expressing their artistic talents. Students will build their skills learned in Art 1. Students will assemble an art portfolio. A material fee of \$20.00 is required. Prerequisite: Art 1 and teacher recommendation.

**Art 3 & 4** is a course designed to meet the needs of students who want to develop advanced skills and learn to work on a more independent basis. Prerequisite: Art 1, Art 2 and teacher recommendation. A material fee of \$20.00 is required.

**Instrumental Music** is High School Band that is offered to **current** band students (grades 8-12), furthering their development in Pawnee Band and taking their playing to the next level. Students will study and gain a deeper knowledge of their instrument and perform in a variety of outlets including marching band and concert band. During the fall semester, students will take part in marching band, perform in marching contests, play at football games, and march in parades. Following marching band, the students will shift to concert season and prepare and perform full ensemble pieces. Throughout the year, students will also have the opportunity to participate in honor band auditions (GCBDA and MEOBDA), OSSAA Solo and Ensemble contest, as well as playing in instrumental chamber groups.

**Jazz band** is a course designed as a supplemental ensemble to the High School Band course. This class will serve as an introduction/continuation to the rich history of jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the student will gain an understanding and appreciation for this great art form. Emphasis will be placed on not just performance technique, but also rudimentary improvisational skills, musicianship, and a sense of personal accountability. This ensemble is a skilled effort in which each student is expected to show technical and musical growth throughout this course. Must have teacher's approval to enroll.

**Advanced Instrumental Studies (AIS)** is offered to current band students (grades 7-12) who wish to further develop their playing technique on their instrument. Students will study and gain a more thorough knowledge of their instrument, practice individually, and become better musicians in general with the guidance of Mr. Gartner. Students will be required to participate in honor band auditions (GCBDA and MEOBDA), OSSAA Solo and Ensemble contest, as well as playing in an instrumental chamber group. Students will also have a unit on conducting/score preparation for chamber groups/ensembles. To prepare for auditions/performances, each student will have up to two scheduled weekly one-on-one lessons with Mr. Gartner to work on audition music, solo music, technique, and other things as it pertains to their individual playing and needs. Must have teacher's approval to enroll.

**Drama** is a class where students will study acting techniques and methods, technical design, and will be expected to perform in plays assigned by the instructor (requires some after school /evening rehearsals). Students will also analyze the components of a text and the many styles of drama. The class is open to those interested in technical design such as sound design, set design or costume design. Counts as an art credit.

# ***COMPUTER EDUCATION***

**Computer Applications One and Financial Literacy** is a one-year long course that will teach students the basic skills, principles, and technology necessary for success in today's world. Students will receive comprehensive training in a number of business applications using the Microsoft Office Suite, which includes Word, Excel, PowerPoint and Publisher. Not only will students learn to use these programs individually but as an integrated software package.

Beginning with students entering the seventh grade in the 2008 – 2009 school year, all Oklahoma students must gain a Passport to Financial Literacy in order to graduate from an accredited public high school with a standard diploma. In Computer One and Financial Literacy, your student will have the opportunity to meet those requirements. *(Prerequisite: No existing prerequisites)*

**Computer Applications Two** is a one-year long course that will be divided into two main subject areas: HTML & CSS for Web Development and overview of the Adobe CC Suite.

HTML & CSS are used together for developing user friendly, flexible, and attractive websites. HTML (Hyper Text Markup Language) is used to create the content of a website. CSS is used to modify and change the design and style of the website. This course will cover all the principles and components of HTML and CSS while focusing in web development.

**The student will be able to:**

- Define the basics of web design.
- Have a basic knowledge in HTML and CSS.
- Use HTML and CSS basic concepts.
- Recognize HTML and CSS elements.
- Basic knowledge on JavaScript.

This course presents a comprehensive overview of the basics of the Adobe CC Suite. It provides basic exercises and projects that will introduce students to the fundamentals of Photoshop, Muse, Animate, and Illustrator. Students will expand their knowledge of concepts and applications to create in-depth projects with graphics, digital photographs, animation, sound and the creation of optimized and interactive web graphics. *(Prerequisite: Computer Applications 1)*

**AP Computer Science Principles** is a one-year long course that will introduce basic programming concepts with a block-based language. The course tackles the big ideas of computer science and challenges students to explore how computing and technology impact the world.

**The student will be able to:**

- Define basic structures of programming.
- Understand connections between different aspects of the web and computing.
- Recognize the fundamentals of computer science.

This course is offered through the *University of Oklahoma* and is based and developed off the requirements by the College Board for the new AP CS test. *(Prerequisite: Computer Applications 1 and must be a junior or senior)*

**Two years of computer or two years of the same foreign language are required for graduation from PHS, if you are on the “college track.”**

# ***FOREIGN LANGUAGE***

**Pawnee History and Language 1** is a yearlong course, is an introduction to the language and history of the Pawnee Tribe. Students will learn language, history, and culture through text, videos, field trips, and guest speakers. Pawnee language and culture are integrated into nine week projects and include hands-on projects, research, and presentation. It is open to students in grades 9 - 12. Students will compete in open language competitions and share their knowledge in the local community and tribal events.

**Pawnee History and Language 2** is a yearlong course, is a continuation of Pawnee History and Language 1. Students will expand their learning of the language, history, and culture through text, videos, field trips, and guest speakers. Pawnee language and culture are integrated into nine week projects and include hands-on projects, research, and presentation. It is open to students in grades 9 - 12. Students will compete in open language competitions and share their knowledge in the local community and tribal events. Pawnee History and Language 1 is prerequisite.

**Spanish 1** helps students develop a basic competency in foreign language and includes development in the four areas of fluency (speaking, listening, reading, and writing). Upon completion of the first year, students have acquired a basic vocabulary and have mastered grammatical concepts that will allow them to conduct simple conversations with native speakers, to read and comprehend texts in Spanish and to carry out basic correspondence in Spanish. In addition to the development of language skills, the students will study important aspects of the Hispanic culture. This course is highly recommended for college-bound students.

**Spanish 2** is a continuance of Spanish 1. Students work on expanding their vocabulary as well as increasing their knowledge of grammatical principles. A greater emphasis is placed on reading and writing fluently. Upon completion of Spanish 2, the students will be able to read more complete material, to write short compositions using the present and past tenses and to understand and conduct more difficult conversations in Spanish. During the second year, students will also continue to study the Hispanic culture and holidays. This course is highly recommended for college-bound students.

# *LANGUAGE ARTS*

*Four years of English are required for graduation from PHS*

**English I** is a required course taken during the ninth grade year. Many literary genres will be explored, as well as a variety of forms of writing. Grades are based on daily assignments, essays, outside projects, tests and group work.

**English II** is a course taken by sophomores. Many literary genres will be studied as well as an emphasis on essay writing. Grades are based on daily assignments, essays, outside projects, tests and group work.

**English III** is a course taken by juniors. Areas of study include analytical reading of a survey of American literature as well as classic novels, vocabulary, and MLA format research and writing skills. ACT test practice will be offered.

**English IV** is a course taken by seniors. Areas of study include analytical reading of a survey of British literature, vocabulary, and MLA format research and writing skills. ACT test practice will be offered as well as resume writing skills. Senior memory books will be compiled second semester.

**AP English Language and Composition** is a course designed to allow secondary students, who are capable and willing, to attempt reading and writing words typically found in the college curriculum. Students may take a national exam in May for a fee to gain college credit for their college English requirements. The course requires expository, analytical, and argumentative writing based on careful reading and critical analysis of a variety of prose styles and genres (primarily nonfiction) as described in the *AP English Course Description*. There will also be some fiction and poetry assigned to meet our local standards as well as vocabulary work. Teacher approval is required. Typically taken as a junior in place of English III.

**AP English Literature and Composition** is a course designed to allow secondary students, who are capable and willing, to attempt reading and writing works typically found in the college curriculum. Students may take a national exam in May, for a fee, to gain college credit for their college English requirements. The course engages students in careful reading and critical analysis of literature as described in the *AP English Course Description*. Through the close reading of selected texts, the student deepens understanding of the ways writers use their craft to provide both meaning and pleasure for their readers. As we read, we consider a work's structure, style, themes, as well as figurative language, imagery, symbolism, and tone. Writing is a very important and large portion of the course. Teacher approval required. Seniors usually take this class in place of English IV.

# MATH

Three years of math courses are required for graduation from PHS.

**Algebra I** is a continuation of topics (writing, solving and graphing linear equations and inequalities) introduced in Pre-Algebra. New concepts such as systems of equations, exponential functions, and polynomials are introduced and applied to real life situations. This course is required for graduation.

**Algebra 2** is a continuation of concepts mastered in Algebra I and Geometry. It is an introduction of higher order skills in topics such as matrices, complex numbers, statistics and many functions (linear, quadratic, polynomial, radical, rational, exponential and logarithmic) along with real applications. This course is needed for entry into a four year college. Prerequisite is Algebra I. Completion of geometry is recommended.

**Geometry** develops qualitative and quantitative thinking skills applied to plane and solid figures. This includes extensive inductive reasoning problems and numerical problems involving polygons, circles, and basic solids. In addition, other topics include trigonometry, analytic geometry and constructions. This course is needed for entry into a four year college. Prerequisite is Algebra I. Preferred before Algebra II.

## Trigonometry/Pre-Calculus

is the branch of mathematics that deals with the relations between the sides and angles of plane or spherical triangles, and the calculations based on them. Trigonometry is used everywhere where angles and/or curves are involved. The simplest use of trig is to find missing parts of a right triangle. In this way it is used by engineers, astronomers, surveyors, and others. Trig helps to indirectly measure distances and heights. Trigonometry is an extension of geometry and a stepping stone to Calculus. First semester Trigonometry is taught and second semester Pre-Calculus is taught. Prerequisite are Algebra 1 & 2, and Geometry.

**Calculus** is a branch of mathematics focused on limits, functions, derivatives, integrals, and infinite series. This subject constitutes a major part of modern mathematics education. It has two major branches, differential calculus and integral calculus. Calculus is the study of change, in the same way that geometry is the study of shape and algebra is the study of operations and their application to solving equations. A course in calculus is a gateway to other, more advanced courses in mathematics devoted to the study of functions and limits, broadly called mathematical analysis. Calculus has widespread applications in science, economics, and engineering and can solve many problems for which algebra alone is insufficient. Prerequisite are all of the above courses.

**Pre-Algebra** works extensively with decimals, fractions, squares, square roots, graphs, proportions, percent's, and basic geometric concepts. Students make applications to "real life" with word problems. Basic algebra concepts are covered with order of operations, expressions, equations, inequalities, and coordinate graphing. Measures of central tendency are studied. This course is designed for students that struggle in Math and may need another year of study before entering into Algebra 1. This class only counts for a Math elective credit so student would still need three years of math to graduate.

**Intermediate Algebra 2** is a course intended for students that do NOT plan to go to college but need to fulfil the three unit credits for mathematics in order to graduate. This course is approved by the Oklahoma State Board of Education as a mathematics course with content and/or rigor equal to or above Algebra 1. Some of the concepts covered are as follows: number and number theory, operations-real numbers, properties and algebraic procedures, applied discrete math, measurement, geometry, functions, algebra, polynomials, equations, interrupt graphs, simplifying expressions, statistics and probability.

# ***SCIENCE***

*Three years of science courses are required for graduation from PHS.*

**AP Biology** is a yearlong course, which is graded on a 5-point scale and is designed to be taken by students after the successful completion of both high school biology and chemistry. AP Biology includes those topics regularly covered in a college introductory biology course and differs significantly from the standards-based, high school biology course with respect to the kind of textbook used, the range and depth of topics covered, the kind of laboratory work performed by students, and the time and effort required of the students. College biology majors also use the textbook used by AP Biology and the kinds of labs done by AP students are equivalent to those done by college students. AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students for the Biology College Board Advanced Placement Exam. Requires teacher approval to enroll.

**Biology 1** (usually sophomore year) is the study of life. Students in this class will study life science topics, including ecology and botany. Tests will be given at the end of each chapter; these exams will be of varying length and content, depending on the context of the chapter. Laboratory investigations will be conducted by the student during the class. Included in classroom study are research skills and career education in both the science and health fields.

**Chemistry** is the branch of science that deals with the identification of the substances of which matter is composed; the investigation of their properties and the ways in which they interact, combine, and change; and the use of these processes to form new substances. Topics that are discussed in this course include the nature of matter, gas laws, thermodynamics, stoichiometry, bonding, chemical kinetics, chemical equilibrium, and more. A knowledge and understanding of the principles of chemistry not only leads to a profound understanding of the natural world, but also supplies the student with the knowledge to further aid them in their science careers.

**Earth Science** (usually freshman year) is the study of the physical earth, earth's oceans and atmospheres, and the universe of which earth is a part. Tests will be given at the end of each chapter or unit; these exams will be of varying length and content depending on the context of the chapter/unit. Laboratory investigations will be conducted by the student during the class. Included in classroom study are research skills and career education.

**Zoology** is a class that will introduce you to the wide world of animals by studying the different invertebrate phyla and vertebrate classes in-depth. You will be responsible for learning the main characteristics of each and be able to identify them based on specimens. You will be expected to handle and maybe even dissect real specimens. We are also going to have a lot of fun in this class by observing preserved specimens in the classroom, as well as welcoming visitors and/or taking field-trips to view live specimens.

# ***SOCIAL STUDIES***

***Three years of social studies courses are required for graduation for PHS.***

**Advanced Placement United States Government and Politics** is a college level course. Students will look in depth at the United States Constitution, all three branches of U.S. Government, and many primary source documents. The course explores political theory and the everyday practice of our government. The express purpose of this class is to prepare students to take the AP exam for U.S. Government and Politics. Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities. Requires teacher approval to enroll.

**American Government** is a one year course usually taken by freshmen. It is required for graduation. The course emphasizes the basic principles of democracy, the Constitution and organization of the U.S. government. Several research based projects will be mandatory.

**United States History** is a requirement usually taken in the sophomore year, offers students the opportunity to study and discuss recurring issues facing the American people, the rise and fall of world powers, America's role and responsibility in world affairs, challenges to our political system and values, the growth and extension of democracy, and America as a symbol of hope.

**World History/Oklahoma History** is a yearlong course that examines humanities and significant events in their setting, then studies the impact of these events in a global arena. An effort is made to link the past with the present in helping students understand the background of the present world climate. We will cover ancient river civilizations, Greece, Rome, the growth of Islam, the middle ages, renaissance, reformation, World Wars and scientific revolution. Although it is impossible to cover the history of the World in 18 weeks, we make every effort to touch on as much as possible. It is a fast-paced class. Oklahoma History involves learning about the events and people of this area from prehistoric times to the present. Emphasis is on the contribution of various ethnic groups, state geography, climate, minerals, and agricultural production.

# ***ELECTIVES***

**Library Science** is a course that allows students to organize and catalog library materials, create and maintain information, and assist library patrons. Students oversee library operations with routine cleaning, daily assistance with copies, pertinent needs, and run errands for teachers and staff. Only available to seniors and teacher approval is required to enroll.

**Yearbook** is an elective course that allows students expansive experience in photography, computer design, personnel management, advertising experience, sales/distribution, layout and design, writing, and editing that come together to form two books that capture the spirit and emotion of Pawnee Schools. Requires outside classroom responsibilities, own transportation, and **full year commitment**. Teacher approval is required to enroll.

**Internship** is the course formally known as “school to work.” Internships are work-based learning experiences for high school students in their junior and senior year that provide great value to both students and businesses. Seniors may have two hours of Internship and juniors may have one. You will receive elective credit and the work release form must be fill out and returned before enrolled. Students are responsible for finding and keeping their own internship (job).

**Office Aid** is an elective course only available to seniors. This course allows a student to be an aid in the office. Duties will include the following: answering phones, filing papers, shredding papers, making copies, taking messages, cleaning office area, running errands, delivering messages to students, and any other duty asked to perform. Must have office approval to enroll and limited to one student for certain hours.

**STARS** (Students Tracking and Researching the Stock Market) is a program created and implemented by the Oklahoma Department of Securities that is designed to promote investor education of Oklahoma students. STARS teaches students grades 9-12 how to: Research investments, assess risk, set financial goals, create online stock portfolios, and avoid financial fraud. Students enrolled in this course will receive elective credit.

**ACT Prep** is an elective course designed to help students improve their ACT scores. The students will learn study skills and test prep tips. Students will complete mock test and will receive detailed score reports that will show the students strength and weaknesses through an online program. This course will be set up by semesters.

**High School Athletics** reinforces and expands upon skills and concepts learned at the middle school level. Boys' sports offered are football, basketball, wrestling, baseball, track, and golf. Girls' sports offered are softball, basketball, track, golf and cheerleading. Time, expense and commitment are things to consider before enrolling. Students must participate in a competitive sport to enroll in athletics. (Students do not enroll in athletics to participate in cheerleading.) Grade 9 - 12.

**Teaching Professions** is designed for 12<sup>th</sup> grade students. This internship provides high school seniors who are interested in exploring a career in education with the opportunity to observe and experience actual teaching in public schools. This class is limited to one hour out of your schedule. Student will be responsible for finding a teacher willing to allow you to help in the classroom. If a teacher cannot be found to host a student they will be placed in the elementary school. Teacher assigned to student must fill out and sign the teaching profession form before student is placed with that teacher.

# ***VOCATIONAL***

**Agriculture Education** is primarily for 9<sup>th</sup> grade students although 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students may enroll if they have not previously been in agriculture education. Membership in the FFA student organization is required, and the yearly membership fee is \$10.00. Course work will include orientation to agriculture education, parliamentary procedure, the livestock industry, introduction to agronomy, soil and water conservation, and supervised agricultural experience programs are required. Some class time will be spent preparing students for competitive leadership, judging and livestock activities.

**Agriculture Mechanics** is available for 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> graders. Agriculture Education is a prerequisite but may be waived in certain cases. FFA membership is required; the membership fee is \$10.00 per year. All students are required to have an approved SAE project. Course work will include safety procedures, oxy-fuel cutting, electric, arc welding, farm survey, plumbing, concrete and small gas engines. Classroom instruction and shop work will be completed. Some time will be spent on training for FFA leadership activities and competitive events.

**Animal Science** is available for 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> graders. Agriculture Education is a prerequisite but may be waived in certain cases. FFA membership is required; the membership fee is \$10.00 per year. All students are required to have an approved SAE project. Course work will include maintaining animal health, medicine and its administration, livestock genetics, livestock reproduction, animal science careers, artificial insemination and livestock handling skills. Some time will be spent on training for FFA leadership activities and competitive events.

**Horticulture** is available to 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students. Agriculture I is a prerequisite but may be waived in some cases. FFA membership is required, and yearly fees are \$10.00. An approved SAE project is required for all students. Course work will include greenhouse management, plant propagation, fertilizers, floral design, and plant insects and diseases. Both classroom instruction and laboratory work in the school greenhouse will be involved. Some time will be spent on training for FFA leadership and competitive activities.

**Family and Consumer Sciences 1** is a comprehensive study intended to generate basic knowledge and skills in child development, clothing and textiles, consumer education, food and nutrition, housing and home furnishing, and personal relationships. Attention is also focused toward assisting students in career study and participation in the vocational home economic youth organization, Family Career and Community Leaders of America. (FCCLA). Materials for the class should not exceed \$25.00.

**Intro to Hospitality and Tourism** will provide a hands-on overview of the hospitality and tourism industry. Areas of study include food service, lodging, recreation, travel and tourism, and attractions.

**Human Growth and Development** is a course where students will discover the physical, social, emotional and mental developmental pathways that take place in every life from conception to death. This course is the beginning of a pathway that can lead to obtaining a Child Development Associate (CDA) at the completion of 4 courses over the duration of your high school career.

**Financial Literacy/Careers** is a course that is broken into two semesters. Financial literacy is a hands-on approach to learning the ins and outs of all of the financial responsibilities you will have as an adult. Become familiar with the terminology as well as the processes for things like taxes, insurance, investments and many others. Careers is an introduction to life in the working adult's work. Learn important skills for obtaining and keeping a job as well as balancing your personal life while working full time.

# ***CAREER-TECH/COLLEGE***

**Meridian Technology Center** offers a number of practical courses to Pawnee High School juniors and seniors (and some advanced sophomores). Four units of credit may be earned each year by students transported from Pawnee to the campus in Stillwater. Through MTC, students prepare themselves for the job market with an entry-level skill or may simply supplement their college-bound program with technical mastery, all while maintaining their high school ties and activities. Certain programs offer college credit for high school students.

## **Concurrent Enrollment - College Classes**

Any senior or junior who meets the requirements, may take advantage of CONCURRENT ENROLLMENT in college and high school. A complete set of regulations is available in Mrs. Waren's office. Interested students should meet with Mrs. Waren.