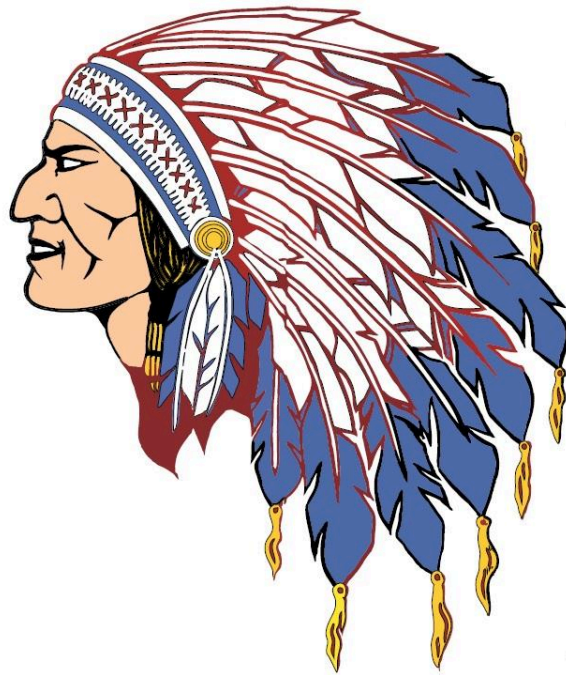


Pawnee High School



COURSE CATALOG
2025-2026

TABLE OF CONTENTS

General Instructions.....	2
Graduation Requirements.....	2
Schedule Change Policy.....	2
Agriculture Department.....	3
Business and Technology Department.....	5
English Department.....	7
Family and Consumer Science Department.....	10
Fine and Performing Arts Department.....	12
Foreign Language Department.....	15
Freshman Sequence.....	16
Mathematics Department.....	17
Physical Education Department.....	20
Science Department.....	21
Social Studies Department.....	23
STEM Department.....	25
Miscellaneous.....	27

GENERAL INSTRUCTIONS

This catalog contains important information regarding course requirements, descriptions, and the courses offered at our school. Please note that the courses available each academic year may vary based on student registration and demand.

We encourage you to review the course options carefully and select the classes that align with your interests, goals, and graduation requirements. The availability of certain courses will be finalized once student enrollment is confirmed.

For any questions or additional guidance on course selection, please reach out to Mrs. Gehrs, Director of Student Services.

GRADUATION REQUIREMENTS

28 total credits in the following areas:

- 4 credits of English
- 3 credits of Mathematics (Must include one credit each in Algebra & Geometry)
- 1 credit of Computer Technology
- 2 credits of Science
- 2 1/2 credits of Social Studies (Must include 1 credit of U.S. History & ½ credit of American Government - Civics)
- 4 credits of Physical Education & Health (3.5 P.E. & 0.5 Health)
- ½ credit of Consumer Economics/Personal Finance
- ½ credit of Driver's Education
- 1 credit of Fine and Performing Arts, CTE, or Foreign Language
- Elective credits to equal remaining credits need to reach 28 total.

Additional Requirements:

- Pass the Illinois State Constitution Exam
- Pass the Federal Constitution Exam
- ACT exam as a Junior
- File the Free Application for Federal Student Aid (FAFSA) as a Senior

SCHEDULE CHANGE POLICY

Students are encouraged to complete their schedule selection by the designated deadline to ensure they can get into the classes they select. This process takes place in early spring to create a schedule for the next school year. Students and parents are advised to refer to the Course Description guide when making course selections to view the course description, pre-requisites, and recommendations.

Students may make course selection changes within the first three days of the school year with parental approval. **No schedule changes will be made after.**

Changes for the second semester will be allowed prior to winter break. Students may request a schedule change with parental approval. **No schedule changes will be made after winter break.**

AGRICULTURE DEPARTMENT

Animal Science (18101A002)

Prerequisite: Introduction to Agriculture Industry

Grade: 10, 11, 12

Credit: 1 per year

This course will develop students' understanding of the livestock (beef, dairy, sheep, goats, and swine), poultry, and large (equine) animal industry. Topics of instruction include scientific investigations, genetics, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, and meat science. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Food Science (18305A001)

Prerequisite: Introduction to Agriculture Industry

Grade: 10, 11, 12

Credit: 1 per year

This course provides learning experiences in food science and safety which allow students to apply scientific knowledge and processes to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. Students critically analyze information to evaluate and draw conclusions on the appropriate use of technology to implement food science and safety practices. Units of instruction include: principles of food preservation, food processing, biochemistry of foods, and food selection and consumer health. Careers to be examined include meat inspector, quality control technician, food processor, and sanitation supervisor. Students will use scientific and technological information about food science and safety as a part of developing career plans and personal viewpoints on societal issues concerning the development and preservation of food products. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Greenhouse Production (18001A001)

Prerequisite: Introduction to Agriculture Industry

Grade: 10, 11, 12

Credit: 1 per year

This course provides advanced agriculture students a technical understanding and working knowledge of the greenhouse industry. Topics include safety, plant physiology, plant identification, growing media, plant nutrition, integrated pest management, propagation, growing greenhouse crops and greenhouse business concepts. Students will gain knowledge and skills related to the care and management of gardens and greenhouses. Agribusiness units will be introduced in merchandising, advertising, sales, and operating a greenhouse business. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

Introduction to Agriculture Industry (18001A001)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: 1 per year

This course provides an opportunity for students to learn how the agricultural industry is organized; its major components; the economic influence of agriculture at state, national and international levels; and the scope and types of job opportunities in the agricultural field. Basic concepts in animal science, plant science, soil science, horticulture, natural resources, agribusiness management, and agricultural mechanics, will be presented.

Students will learn about FFA History, Structure, parliamentary procedure, leadership skills and public speaking. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

BUSINESS AND TECHNOLOGY DEPARTMENT

Computer Technology I (10005A001)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: ½ per semester

Information Processing I is a skill-level course that includes the concepts and terminology related to the people, equipment, and procedures of information processing as well as skill development in the use of information processing equipment. Students will operate computer equipment to prepare memos, letters, reports, and forms. Students will create rough drafts, correct copy, process incoming and outgoing telephone calls and mail, and transmit and receive messages electronically. Students will create, input, and update databases and spreadsheets. Students will create data directories; copy, rename, move, and delete files, and perform backup procedures. In addition, students will prepare files to merge, as well as create mailing labels and envelopes from merge files. Students will learn to locate and retrieve information from hard copy and electronic sources, and prepare masters for presentations using presentation software. Students will apply proper grammar, punctuation, spelling and proofreading practices. Accuracy will be emphasized. Workplace skills as well as communication skills (thinking, listening, composing, revising, editing, and speaking) will be taught and integrated throughout this course.

Computer Technology II (10005A002)

Prerequisite: Computer Technology I

Grade: 9, 10, 11, 12

Credit: ½ per semester

Information Processing II is a skill-level course for students who have completed Information Processing I. Students will create and update documents using word processing and desktop publishing programs and put together slideshows, speaker notes and handouts using presentation software. Students will revise data in a stored database and use queries to create customized reports. Students will edit and utilize calculation functions in spreadsheets, integrate graphics, spreadsheets, tables, text and data into documents and reports, and create graphs and charts from spreadsheets. Students will learn to conduct research on the internet and/or intranet, prepare and answer routine correspondence, organize and maintain a filing system, maintain an appointment calendar, make travel arrangements, prepare itineraries and expense reports, and prepare and process timesheets. In addition, students will maintain inventory, order equipment and supplies, and perform routine equipment maintenance. Students will apply proper grammar, punctuation, spelling and proofreading practices to documents and reports. Accuracy will be emphasized. Workplace skills as well as communication skills will be taught and integrated throughout this course.

Consumer Economics/Personal Finance (19262A001)

Prerequisite: None

Grade: 11, 12

Credit: ½ per semester

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. These courses emphasize lifespan goal-setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also investigate the effects of the global economy on consumers and the family.

Entrepreneurship (12053A001)
Prerequisite: Introductory Business

Grade: 11, 12
Credit: 1 per year

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Introductory Business (12051A001)
Prerequisite: None

Grade: 9, 10, 11, 12
Credit: 1 per year

Introductory Business courses survey an array of topics and concepts related to the field of business. These courses introduce business concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually provide a brief overview of the American economic system and corporate organization. Introductory Business courses may also expose students to the varied opportunities in secretarial, accounting, management, and related fields.

Sports and Entertainment Marketing (12163A001)
Prerequisite: Introductory Business

Grade: 10, 11, 12
Credit: 1 per year

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment. Marketing of Pawnee Sports and Activities through the use of podcasting, social media, and contest creation to increase involvement in extracurricular activities and fostering unity.

Work Based Learning
Prerequisite: Director of Student Services Approval

Grade: 12
Credit: 2 per semester

The Work-Based Learning (WBL) course is designed to provide students with an opportunity to gain real-world experience and apply theoretical knowledge in a professional setting. This course emphasizes the integration of academic learning with hands-on, practical experience, allowing students to engage directly with industry professionals, projects, and work environments. Throughout the course, students will undertake work placements, internships, or service-learning projects related to their field of study, where they will be responsible for completing tasks, solving problems, and contributing to the overall goals of the organization. The course fosters the development of critical workplace skills, including communication, teamwork, time management, and professional conduct.

ENGLISH DEPARTMENT

English I (01001A000)

Prerequisite: None

Grade: 9

Credit: 1 per year

These courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections.

English II (01002A000)

Prerequisite: English I

Grade: 10

Credit: 1 per year

These courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

English III (LLCC Dual Credit) (01003A000)

Prerequisite: English II / Unweighted GPA of 2.7 or higher with transcript that reflects complete sophomore year or beyond, an ACT score of 18 or higher in the area of English, or an SAT score of 480 or higher in the area of English/Reading/Writing (ERW).

Grade: 11, 12

Credit: 1 per year

This course is two courses offered on the Pawnee High School campus for 6 hours of college credit through Lincoln Land Community College.

EGL 101: Composition I

The first course in a two-semester sequence of English composition, this course introduces students to academic writing as a process of developing and supporting a thesis in an organized essay. Course topics include methods of invention, development, and organization; the elements of style, including the conventions of standard written English; and an introduction to research and documentation. Students write expository and argumentative essays based on analytical reading and critical thinking.

EGL 111: Introduction to the Novel

This course is an introduction to the critical study of the novel as a literary genre. It introduces students to the scholarly study of the novel, with a focus on multiple periods and genres. Theme, structure and style are emphasized.

English III (01003A000)

Prerequisite: English II

Grade: 11

Credit: 1 per year

These courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments.

Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

English IV (LLCC Dual Credit) (01004A000)

Prerequisite: English III (LLCC Dual Credit - EGL 101)

Grade: 12

Credit: 1 per year

This course is two courses offered on the Pawnee High School campus for 6 hours of college credit through Lincoln Land Community College.

EGL 102: Composition II

This course is designed to enhance and deepen the critical skills of argumentation and academic writing introduced in EGL 101, Composition I. Students continue to write essays that demonstrate their ability to analyze and evaluate the ideas of others and integrate them into their own writing. The course reinforces student experience with the conventions of standard written English and the conventions of documentation while developing student ability to conduct research and present research findings in an ethical, accurate and critical manner.

EGL 114: Film as Literature

This course is an introduction to the critical study of film as literature in which students learn to "read," discuss, interpret and write about films with greater awareness, clarity and skill. In accord with a literary approach, films are analyzed in terms of their plot, setting, characterization, theme and point of view. Students also learn to recognize and interpret roles (casting, acting, camera movement, musical score, lighting) and other basic elements of film play in their response to films. R, W2, 11 (2 lecture hours and 2 laboratory hours) IAI: HF 908

English IV (01004A000)

Prerequisite: English III

Grade: 12

Credit: 1 per year

This course blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

American Literature (01054A000)

Prerequisite: None

Grade: 11, 12

Credit: ½ per semester

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

British Literature (01056A000)

Prerequisite: None

Grade: 11, 12

Credit: ½ per semester

British Literature courses may provide a survey of British literature or may focus on a selected timeframe of England's history. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

Creative Writing (01105A000)**Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

Mythology (01069A000)**Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

Mythology courses introduce students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomenon. Students will explore the major themes, stories, characters, and archetypes present in the mythologies of several different cultures.

Speech (01105A000)**Prerequisite: None****Grade: 11, 12****Credit: ½ per semester**

Speaking courses enable students, through practice, to develop communication skills that can be used in a variety of speaking situations (such as small and large group discussions, delivery of lectures or speeches in front of audiences, and so on). Course topics may include (but are not limited to) research and organization, writing for verbal delivery, stylistic choices, visual and presentation skills, analysis and critique, and development of self-confidence.

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Child Development and Parenting (19052A001)

Prerequisite: None

Grade: 10, 11, 12

Credit: ½ per semester

Child Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Students will explore opportunities in human services and education-related careers and develop a career portfolio.

Clothing and Textile (19202A001)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: ½ per semester

Clothing/Textile Maintenance courses provide students with the knowledge and skills to clean, care for, and maintain clothing and textiles. Course topics typically include dry cleaning and laundering techniques, identifying fabrics and the optimal cleaning agents and processes, instruction in altering and repairing garments, and the safe use of the equipment, tools, and agents.

Early Childhood Education (19153A001)

Prerequisite: None

Grade: 10, 11, 12

Credit: 1 per year

This course prepares students to guide the development of young children in an educational setting through classroom and job shadowing experiences. Course content includes child development, care, and education issues. Project-based learning experiences include planning and implementing developmentally appropriate activities, basic health and safety practices, and legal requirements of teaching young children. Students will research the requirements of early childhood education careers and develop/expand their career portfolio.

Family and Consumer Science (19251A002)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: 1 per year

Family and Consumer Sciences courses help students to develop the knowledge and skills that are used to manage one's family and career efficiently and productively. Course topics typically include foods and nutrition; apparel; child care and development; housing, interior design, and maintenance; consumer decisions; personal financial management; interpersonal relationships; and careers available in family and consumer sciences.

Foundations of Teaching (19151A001)

Prerequisite: None

Grade: 10, 11, 12

Credit: 1 per year

This course introduces students to the principles underlying teaching and learning, responsibilities and duties of teachers, and strategies and techniques to deliver knowledge and information. A combination of classroom and field experiences will enable the student to gain skilled knowledge and understanding of the education profession. Course content includes projects to develop an understanding of the learner and the learning process, instructional planning, the learning environment, assessment and instructional strategies, career opportunities in the field of education, and Illinois regulations and licensing requirements

Nutrition and Wellness (19253A001)**Prerequisite: Family and Consumer Science****Grade: 9, 10, 11, 12****Credit: ½ per semester**

Nutrition and Wellness courses focus on how physical, mental, social, psychological, and emotional wellness are related to food, food selection, and health. Topics typically include dietary needs across one's lifespan, stress management, special dietary issues, and eating disorders as well as societal and genetic health issues that are addressed through the prevention education component of the class. Other topics covered range from healthy food selection, label reading, and diet analysis to understanding additives, making wise food choices, and dealing with food allergies.

FINE & PERFORMING ARTS DEPARTMENT

Band (05101A000)
Prerequisite: None

Grade: 9, 10, 11, 12
Credit: 1 per year

General Band courses help students develop techniques for playing brass, woodwind, and percussion instruments and their ability to perform a variety of concert band literature styles. These courses may emphasize rehearsal and performance experiences in a range of styles (e.g., concert, marching, orchestral, and modern) and also include experiences in creating and responding to music.

Choir (05111A000)
Prerequisite: None

Grade: 9, 10, 11, 12
Credit: 1 per year

Choir courses help students develop vocal techniques and refine their ability to sing parts in small ensembles (e.g., madrigal, barber shop, gospel). Course goals may include helping students develop their solo singing ability and emphasize one or several ensemble literature styles. These ensembles may include both instrumental and vocal music and include experiences in creating and responding to music.

Music Appreciation (LLCC Dual Credit) (05118A000)
Prerequisite: None

Grade: 10, 11, 12
Credit: 1 per year

This course is two courses offered on the Pawnee High School campus for 6 hours of college credit through Lincoln Land Community College.

MUS 104: Music Appreciation

This course is designed to promote an appreciation of music and the habit of intelligent listening. Designed for students with little or no previous musical experience, students begin by learning musical terms, definitions, etc. Music is then presented from a historical perspective with emphasis on prominent composers and musical periods/styles. Ideas, customs and political climates in relation to each musical period are examined. Outside classroom concert attendance or curated virtual concert attendance is required. Students study each period of music history through readings, recordings, films, concerts and live class performances.

MUS 108: Music in America

The course presents major musical achievements and significant works by American composers and musicians, spanning a wide range of styles including but not limited to classical music, country, blues, jazz, soul and rock. Music in America is an overview of how our diverse heritage has shaped our music and how our unique music reflects our history as well as American culture. The course is available to all students with an interest in American music and would also be appropriate for pop musicians as well as classical musicians who wish to expand their knowledge of American musical styles. Outside classroom concert attendance or curated virtual concert attendance is required.

Art I (05154A000)
Prerequisite: None

Grade: 9, 10, 11, 12
Credit: 1 per year

Art I courses enable students to explore one or several art forms (e.g., drawing, painting, two- and three-dimensional design, and sculpture) and to create individual works of art. Initial courses emphasize observations, interpretation of the visual environment, visual communication, imagination, and symbolism.

Courses cover the language, materials, media, and processes of a particular art form and the design elements used. Advanced courses encourage students to refine their skills while also developing their own artistic styles following and breaking from traditional conventions. Courses may also include the study of major artists, art movements, and styles.

Art II (05155A000)

Prerequisite: Art I

Grade: 10, 11, 12

Credit: 1 per year

These courses focus on the inter-relationships that occur between drawing and painting using a variety of media and techniques, emphasizing observation and interpretation of the visual environment. These courses typically include applying the elements of art and principles of design, along with a study of art and artists from a worldwide perspective, and instruction in the critique process. Advanced courses may encourage students to refine their creative process and develop their own artistic styles following and breaking from traditional conventions.

Sculpture (05158A000)

Prerequisite: Art I and Art II

Grade: 11, 12

Credit: ½ per semester

Sculpture courses promote creative expression through three-dimensional works. These courses explore representational and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. Visual Arts—Sculpture courses typically include the production of representational and abstract sculptures while incorporating elements of art and principles of design, along with a study of historical and contemporary sculpture and sculptors from a worldwide perspective. These courses also provide instruction in the process of responding to art through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

Visual Communication Design (05162A000)

Prerequisite: Art I and Art II

Grade: 11, 12

Credit: ½ per semester

Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

Visual Arts - Independent Study (05197A000)

Prerequisite: Art I, Art II, Sculpture, and Visual Communication Design

Grade: 12

Credit: 1 per year

Visual Communications Design courses emphasize applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. These courses may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. These courses also provide instruction in the process of responding to their own art and that of others including master designers through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

Photography (05167A000)**Prerequisite: None****Grade: 9, 10, 11, 12****Credit: 1 per year**

Photography courses provide students with an understanding of photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the fundamental processes of artistic expression. Students may learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. Photography courses may also include the history of photography, historic movements, image manipulation, critical analysis, and some creative special effects. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers for the purpose of reflecting on and refining work

FOREIGN LANGUAGE DEPARTMENT

Spanish I (24052A000)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: 1 per year

Designed to introduce students to Spanish language and culture, Spanish I courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. They introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

Spanish II (24053A000)

Prerequisite: Spanish I

Grade: 10, 11, 12

Credit: 1 per year

Spanish II courses build upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II courses introduce the relationships among the products, practices, and perspectives of Spanish-speaking cultures

Spanish III (24054A000)

Prerequisite: Spanish I and Spanish II

Grade: 11, 12

Credit: 1 per year

Spanish III courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. These courses expand students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

Spanish IV (24055A000)

Prerequisite: Spanish I, Spanish II, and Spanish III

Grade: 12

Credit: 1 per year

Spanish IV courses prepare students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. Spanish IV courses promote students' understanding of the relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

FRESHMAN SEQUENCE

These courses are designed to be taken for a student's Freshman year.

Driver Education (08151A000)

Prerequisite: Must pass eight (8) semester courses over the previous two (2) semesters.

Grade: 9, 10, 11

Credit: ½ per semester

Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs). After the classroom portion, the drivers' education instructor will schedule the behind-the-wheel portion with the student.

Students who are absent (excused or unexcused) over the allotted days will have to retake the class and must repay the fee. The fee for Driver Education will be paid each time a student takes the class. The fee must be paid before the student is allowed to drive with the instructor.

Health (08051A000)

Prerequisite: None

Grade: 9

Credit: ½ per semester

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources

Indian Tribe (22102A000)

Prerequisite: None

Grade: 9

Credit: ½ per semester

This course provides students with an introduction to the culture of their school so that they can understand staff expectations and the school's structure and conventions. This course will educate our students on how to take ownership over their decisions in and out of the school setting. The course is designed to create student leaders and promote responsibility for their own actions.

MATHEMATICS DEPARTMENT

Algebra I (02051A000)

Prerequisite: None

Grade: 9, 10

Credit: 1 per year

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; solving quadratic equations; and modeling linear data. Specific content depends upon state standards.

Algebra II (02053A000)

Prerequisite: Algebra I and Geometry

Grade: 10, 11, 12

Credit: 1 per year

Algebra II course topics typically include developing an understanding of the relationships between the symbolic, graphic, tabular and verbal representations of functions; utilizing the various representations to interpret function behavior and solve equations; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; exponential functions; inverse functions; statistical modeling; modeling linear and quadratic data; and operations with rational and irrational exponents.

Geometry (02072A000)

Prerequisite: Algebra I

Grade: 9, 10, 11

Credit: 1 per year

Geometry courses, emphasizing an abstract, formal approach to the study of geometry, typically include topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles, quadrilaterals, vertical angles, lines intersected by a transversal, etc.

Calculus (LLCC Dual Credit) (02121A000)

Prerequisite: Completion Dual Credit College Algebra and Trigonometry with a C or higher, an ACT score of 25 or higher in the area of mathematics, or an SAT score of 600 or higher in the area of mathematics

Grade: 12

Credit: 1 per year

This course is two courses offered on the Pawnee High School campus for 5 hours of college credit through Lincoln Land Community College.

MAT 131: Calculus & Analytical Geometry I

The mathematical limit is defined intuitively and rigorously. Limits are evaluated. The derivative is defined, derivatives are determined and applications are studied. The definite integral is defined, anti-derivatives are determined and applications are studied.

College Algebra (LLCC Dual Credit) (02057A000)**Grade: 11, 12**

Prerequisite: Algebra II / Unweighted GPA of 3.2 or higher with transcript that reflects complete sophomore year or beyond, an ACT score of 22 or higher in the area of mathematics or an SAT score of 530 or higher in the area of mathematics.

Credit: ½ per semester

This course is two courses offered on the Pawnee High School campus for 4 hours of college credit through Lincoln Land Community College.

MAT 113: College Algebra

This course centers on the exploration of various algebraic functions, including polynomial, rational, exponential and logarithmic functions. The properties, graphs and inequalities of these functions are analyzed and applications of their use are studied. Other topics include systems of equations, matrices, conic sections, sequences and series.

Pre-Algebra (02051A000)**Grade: 9****Prerequisite: None****Credit: 1 per year**

Pre-Algebra courses increase students' foundational mathematics skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

Statistics (LLCC Dual Credit) (02205A000)**Grade: 12**

Prerequisite: Unweighted GPA of 3.0 or higher with transcript that reflects complete sophomore year or beyond, an ACT score of 21 or higher in the area of mathematics or an SAT score of 520 or higher in the area of mathematics.

Credit: 1 per year

This course is two courses offered on the Pawnee High School campus for 4 hours of college credit through Lincoln Land Community College.

MAT 141: Introductory Statistics

This introductory course in statistics focuses on statistical reasoning and its use in solving real-world problems and in interpreting results reported in journals and through popular media. The content includes the following: basic descriptive statistics; basic probability theory; random variables and probability distributions; sampling distributions for statistics; statistical inferences involving confidence interval estimation and hypotheses testing for means, standard deviations and proportions; correlation and regression; and ANOVA.

Trigonometry (LLCC Dual Credit) (02103A000)**Grade: 11, 12**

Prerequisite: Completion of Dual Credit College Algebra with a C or higher, an ACT score of 23 or higher in the area of mathematics or an SAT score of 560 or higher in the area of mathematics.

Credit: ½ per semester

This course is two courses offered on the Pawnee High School campus for 3 hours of college credit through Lincoln Land Community College.

MAT 120: Trigonometry

In this course the trigonometric functions are defined, important relationships between them are established and their graphs are studied in detail. The inverse trigonometric functions are defined, trigonometric equations are solved and identities are proved. The course material will be applied to solve a variety of problems.

Technical Math (02153A001)

Prerequisite: Algebra and Geometry

Grade: 10, 11, 12

Credit: 1 per year

Math course framework intended and designed specifically to transition students to post-secondary technical pathways or careers. Course work should align directly with the post-secondary technical math or career pathway. The course should encompass, but is not limited to number sense and number systems, geometry, and basic algebra delivered through authentic, contextualized, problem based learning environments not limited to stand alone courses, but may be incorporated into existing career and technical education (CTE) courses.

PHYSICAL EDUCATION DEPARTMENT

Health and Fitness (08052A000)

Prerequisite: None

Grade: 10, 11, 12

Credit: 1 per year

Health and Fitness courses combine the topics of Health Education courses (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.

Physical Education (08001A000)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: 1 per year

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Strength and Conditioning (08009A000)

Prerequisite: None

Grade: 9, 10, 11, 12

Credit: 1 per year

Weight Training courses help students develop knowledge and skills with free weights and universal stations while emphasizing safety and proper body positioning; they may include other components such as anatomy and conditioning.

SCIENCE DEPARTMENT

Anatomy (03054A000)
Prerequisite: Biology I

Grade: 11, 12
Credit: 1 per year

Anatomy courses present an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems.

Biology I (03051A000)
Prerequisite: None

Grade: 9, 10
Credit: 1 per year

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Biology II (03052A000)
Prerequisite: Biology I

Grade: 10, 11, 12
Credit: 1 per year

This course is an extension of Biology I. This course will study more advanced laboratory techniques. Specimen dissections will be utilized to enhance learning. This class will expand on taxonomy and the six kingdoms. Botany, microbiology, epidemiology, and zoology will be units of study.

Chemistry I (03101A000)
Prerequisite: Biology I and Algebra I

Grade: 10, 11, 12
Credit: 1 per year

Chemistry I involves studying the composition, properties, and reactions of substances. These courses will explore such concepts as the behaviors of solids, liquids, and gases; atomic structure, the mole concept, periodic trends, elections in the atom, bonding, and stoichiometry. Laboratory safety and laboratory procedures will also be covered.

Chemistry II (03052A000)
Prerequisite: Chemistry I

Grade: 11, 12
Credit: 1 per year

This course is an extension of Chemistry I. This course will study more advanced laboratory techniques. Topics include advanced stoichiometry, thermochemistry, acids and bases, chemical equilibrium, organic chemistry, nuclear chemistry, and gas laws.

Physics (03151A000)
Prerequisite: Algebra I and Algebra II.

Grade: 11, 12
Credit: 1 per year

Physics courses involve the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

Physical Science (03159A000)**Prerequisite: None****Grade: 9****Credit: 1 per year**

Physical Science courses involve study of the structures and states of matter. May include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

SOCIAL STUDIES DEPARTMENT

American Government / Civics (04161A000)

Prerequisite: None

Grade: 11, 12

Credit: ½ per semester

Civics courses examine the general structure and functions of U.S. systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve to the same degree of detail into constitutional principles or the role of political parties and interest groups as do comprehensive courses in U.S. Government. The Federal and Illinois Constitution exams will be included in the curriculum and successfully passing both is required for graduation.

Current Events (04064A000)

Prerequisite: None

Grade: 10, 11, 12

Credit: ½ per semester

Current Event courses enable students to study political, economic, and social issues facing the world. These courses may focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions.

Historical Archiving (11104A000)

Prerequisite: Current member of Yearbook Club

Grade: 10, 11, 12

Credit: 1 per year

This course is a unique opportunity to be part of a team to produce a complete record of an entire school year. The year begins by planning the coverage for the school year including choosing a theme that captures the year in a creative way. The course involves the enhancement of the following skills: photo composition, digital photo organization, investigating, feature writing, editing, computer page layout and design, thematic development, working within a budget, marketing, selling advertisement, and meeting deadlines.

Illinois History (04105A000)

Prerequisite: None

Grade: 10, 11, 12

Credit: ½ per semester

This course seeks to develop the knowledge of students concerning their local and state history. We will begin with the history of Illinois prior to it becoming a state to its present state of affairs. Students should expect discussion, group work, lecture, papers, quizzes, reading, and presentations.

Practical Law (04162A000)

Prerequisite: None

Grade: 10, 11, 12

Credit: 1 per year

Practical Law courses examine the history and philosophy of law as part of U.S. society and include the study of the major substantive areas of both criminal and civil law, such as constitutional rights, torts, contracts, property, criminal law, family law, and equity. Although these courses emphasize the study of law, they may also cover the workings of the legal system.

Psychology (04254A000) (Offered in alternate years.)
Prerequisite: None

Grade: 11, 12
Credit: 1 per year

Psychology courses examine such topics as the principles of learning, processes of thinking, development of personality, measurement of intellectual ability, theories of learning and memory and the effects of heredity and environment on human behavior. The course includes the study of individuals and their behavior.

Sociology (04258A000) (Offered in alternate years.)
Prerequisite: None

Grade: 11, 12
Credit: 1 per year

Sociology courses examine the study of the development, organization, and problems of society, and social groups. It includes the study of people in relation to groups. The course aims to enable students to acquire deeper knowledge of their social environment and culture. Chapter studies will include culture, socialization, groups, race and ethnicity, stratification, deviance, gender, and social structure.

U.S. History (04101A000)
Prerequisite: None

Grade: 10, 11, 12
Credit: 1 per year

U.S. History courses provide students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. These courses typically include a historical overview of political, military, scientific, and social developments. Course content may include a history of the North American peoples before European settlement.

World Geography (04001A000)
Prerequisite: None

Grade: 10, 11, 12
Credit: ½ per semester

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

World History (04051A000)
Prerequisite: None

Grade: 9, 10
Credit: 1 per year

World History courses provide students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. World History courses may include geographical studies, but often these components are not as explicitly taught as geography

STEM

Emerging Technology (21053A001)

Prerequisite: Computer Technology I and Computer Technology II

Grade: 10, 11, 12

Credit: ½ per semester

Emerging Technologies courses emphasize students' exposure to and understanding of new and emerging technologies. The range of technological issues varies widely but typically include lasers, fiber optics, electronics, robotics, computer technologies (software engineering), Game Art and Design, CAD/CAM, communication modalities, and transportation technologies.

Energy & Power (20101A002)

Prerequisite: Computer Technology I and Computer Technology II

Grade: 10, 11, 12

Credit: ½ per semester

Energy & Power courses focus on one or several aspects of energy and power in transportation and work. Course content may include various sources of energy and their use in society (for example, characteristics, availability, conversion, storage, environmental impact, and socioeconomic aspects of various energy sources); principles involved in various means of energy transfer, such as electricity/electronics, hydraulics, pneumatics, heat transfer, and wind/nuclear/solar energies; and the transmission and control of power through mechanical or electrical devices such as motors and engines.

Forensic Science (15055A001)

Prerequisite: None

Grade: 10, 11, 12

Credit: ½ per semester

This course provides an overview of the theoretical understanding and practical application of forensic science techniques. This course explores applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others.

Foundations of Technology (21052A001)

Prerequisite: Computer Technology I and Computer Technology II

Grade: 10, 11, 12

Credit: ½ per semester

The course employs teaching/learning strategies that enable students to build their own understanding of new ideas. It is designed to engage students in exploring and deepening their understanding of “big ideas” regarding technology and apply technological processes to solve real problems and develop knowledge and skills to design, modify, use and apply technology in the following areas: engineering design, manufacturing technologies, construction technologies, energy & power, information & communication technologies and emerging technologies.

Introduction to Technology & Engineering (21052A002)

Prerequisite: Computer Technology I and Computer Technology II

Grade: 10, 11, 12

Credit: ½ per semester

Introduction to Technology & Engineering is comprised of the following areas: Production, Transportation, Communication, Energy Utilization and Engineering Design but is not limited to these areas only. This course will cover the resources, technical processes, industrial applications, material sciences, technological impact and occupations encompassed by that system.

Robotics (21009A001)**Prerequisite: Computer Technology I and Computer Technology II****Grade: 10, 11, 12****Credit: ½ per semester**

Robotics courses develop and expand students' skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

MISCELLANEOUS COURSES

Capital Area Career Center (CACC)

Prerequisite: Director of Student Services Approval

Grade: 11, 12

Credit: 2 per semester

Students may be allowed to take classes at the Capital Area Career Center (CACC) in Springfield. Pawnee students may attend CACC classes each day for half a day. All PHS graduation requirements still must be met. Students are not allowed to enroll at CACC if they are not on track to graduate.

CACC students acquire knowledge and skills that are needed to move on to college and to enter the workforce by being taught by instructors that are experts in their fields in an environment that is safe and on the cutting edge of technology. Students have a wide variety of programs to choose from at CACC where all of the programs will provide them with knowledge and opportunities that reach far beyond high school. CACC programs offer dual credit, and students can earn college credits and professional certification opportunities.

Please visit: <https://caccspringfield.org/> for updated information and more detailed descriptions of the available programs.

CACC Course Offerings:

Automotive Technology and Servicing	Barbering
Building Trades	Cosmetology
Culinary Arts	Digital Media
Early Childhood and Education	Electronics and Engineering
Emergency Medical Technician (EMT)	Engineering for High Tech
Fire Science	Graphic Arts
HVAC/Electrical Systems	IT Networking and Cybersecurity
Law Enforcement	Medical Assistant
Nursing Assistant	Sangamon CEO (located downtown Springfield)
Welding	

College NOW - Lincoln Land Community College

Prerequisite: Director of Student Services Approval

Grade: 11, 12

Credit: 2 per semester

Students are allowed to take courses at Lincoln Land Community College in Springfield with the approval of the high school administration. Typically, classes are held Monday through Friday. Students earn both college credit and high school credit.

Pawnee students are permitted to attend PHS for half a day and then leave for their off-campus class. Students will receive up to 2 PHS credits each semester. Students are not allowed to enroll at LLCC if they are not on track to graduate. Off-campus students must still meet all PHS graduation requirements. All off-campus

courses must be approved by the Director of Student Services. Students are responsible for submitting their grades to the Director of Student Services upon completion of the semester.

First Year Experience - LLCC Dual Credit

Prerequisite: Director of Student Services Approval

Grade: 10

Credit: ½ per semester

This course is two courses offered on the Pawnee High School campus for 2 hours of college credit through Lincoln Land Community College.

The first-year experience course helps students successfully transition to college. Students experience, discuss, write about and apply knowledge, skills, behaviors, strategies and mindsets that help them succeed in college. This course empowers students to develop inner qualities that assist in making wise decisions, which result in the outcomes and experiences they desire. Students learn how to think critically about and prepare for their academic and career pathways.

STEP Program

Prerequisite: Director of Student Services Approval

Grade: 11, 12

Credit: 2 per semester

Juniors and Seniors who are eligible for Special Education Services, can enroll in the STEP Work Program as an elective course. Students and parents must understand that many jobs and vocations are subject to restrictions by the U.S. Department of Labor, Illinois State Board of Education, Illinois Department of Vocational Education, and Department of Human Services and are not eligible for the STEP Work Program. All STEP work job sites must be inspected and approved by the STEP coordinator and representative of the Department of Human Services. Work sites will be given to students whose grades; attendance, behavior, interests, and schedule permit them to participate in the STEP work program.

MC3 Program

Prerequisite: Director of Student Services Approval

Grade: 12

Credit: 2 per semester

The MC3 (Multi-Craft Core Curriculum) pre-apprenticeship course covers key aspects of the construction industry, including its structure and processes. It provides an introduction to apprenticeships, familiarizes students with tools used in various trades, and emphasizes the safe handling of both hand and power tools. Additionally, the course highlights industry standards for work responsibility and craftsmanship excellence.

Students will have the opportunity to network with industry professionals, including local commercial contractors and representatives from the 17 building trades apprenticeships. In the program's fourth nine-week period, students will be placed in building trades internships to explore trade apprenticeships that can lead to long-term careers in the construction field.

Industry partners providing student learning opportunities include O'Shea Builders, Henson Robinson, BnB Electric, and E.L. Pruitt.

Students can earn nine dual course credits through Lincoln Land Community College. Areas of study include general orientation to apprenticeships, CPR and first aid, OSHA 10-hour certification, blueprint reading, applied mathematics for construction applications, and the history of the construction industry, along with the heritage of the American worker.

LLCC Dual credit courses:

BDM 102 Introduction to Construction (3 credits)

TEM 101 Technical/ Vocational Mathematics (3 credits)

ESI 101 Employability Skills (2 credits)

ELM 101 Workplace Safety Certifications (1 credit)

This pre-apprenticeship core curriculum is a minimum of 120 hours of classroom training. Some crafts may add 40 additional hours as a pre-condition of entry with credit for the program.