High School Course Descriptions

Introduction

This document provides brief descriptions for the subjects outlined in the 2025-226 Subject Codes, Grades 9-12 document from the Office of Accreditation. The Office of Standards and Learning, which has content area experts, created this document as a resource for schools. Parents, guardians, and students will benefit from knowing the expectations of a course before enrollment, so districts can use or adapt this language as they wish for their own course descriptions.

Notes

- Throughout the document when the Oklahoma Academic Standards are referenced, they are abbreviated to OAS.
- Non-teaching codes are not student courses and thus do not have sample descriptions.

Contact curriculum.instruction@sde.ok.gov with any questions regarding this document.

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BUSINESS EDUCATION

Eligible for Elective Credit Only

2401 Accounting I introduces students to basic financial accounting principles. Students learn to analyze business transactions, maintain records, and complete the accounting cycle for a sole proprietorship. Topics include journalizing, posting to ledgers, preparing financial statements, managing payroll, and performing end-of-period procedures. Students apply these concepts using spreadsheets and accounting software, focusing on accuracy, ethics, and real-world applications.

2402 Accounting II builds on Accounting I concepts, focusing on financial and managerial accounting for merchandising businesses, partnerships, and corporations. Topics include departmentalized accounting, inventory methods, depreciation, budgeting, and cost accounting. Students learn to analyze financial data for business decision-making using spreadsheets and advanced accounting software, preparing for college-level courses and careers in finance, business, and entrepreneurship.

2403 Business Communications prepares students to communicate clearly and effectively in professional settings. The course emphasizes all aspects of communication—speaking, listening, reading, writing, and nonverbal skills—while also focusing on the use of digital tools and technology to convey information. Students practice creating emails, reports, presentations, and other business documents, and they develop interpersonal and teamwork skills essential for workplace success. Through real-world scenarios and problem-based projects, students learn how effective communication supports collaboration, leadership, and customer service in business environments.

2405 Business English focuses on developing essential reading, writing, speaking, and listening skills through practical, real-world applications. Emphasis is placed on communication as a workplace and life skill, rather than on literary analysis. Students practice writing resumes, cover letters, business emails, and technical reports, as well as completing job applications and preparing for interviews. Through project-based learning and real-world scenarios, students strengthen their ability to communicate effectively in professional and personal settings, preparing them for college, careers, and everyday life.

2406 Business Law/Education explores the legal concepts that affect individuals, businesses, and educational settings. Students study topics such as contracts, employment law, property rights, consumer protection, and the legal structures of business organizations, while also examining laws related to schools and teaching—such as student rights, educator responsibilities, and educational policy. This course is ideal for students interested in careers in business, law, or education, offering real-world

scenarios, case studies, and opportunities to develop leadership, critical thinking, and ethical decision-making skills.

2408 Business Mathematics applies mathematical concepts to real-world business situations. Students develop practical payroll, budgeting, banking, interest, credit, taxes, and financial decision-making skills. The course emphasizes problem-solving, data analysis, and using spreadsheets and calculators to model and solve business-related problems. It is designed to prepare students for both the workforce and personal financial responsibility.

2409 Business Organization and Management introduces students to the essential functions of managing a business, including planning, organizing, staffing, financing, and controlling. Students learn about effective human relations, leadership styles, and decision-making processes necessary for success in business. The course also covers macro-level business concepts, such as business structure, industry-government interactions, and the global economy. Through real-world scenarios and problem-based learning, students apply business concepts, including basic accounting principles, to analyze and evaluate business decisions. This course prepares students for careers in management, entrepreneurship, and other business leadership roles.

2410 Careers/Exploration introduces students to a wide range of career opportunities across multiple industries, including but not limited to business, healthcare, technology, arts, and public service. Students gain insights into various occupations, including job responsibilities, qualifications, required skills, and work environments. The course emphasizes the importance of education, training, and personal interests in career decision-making. Students engage in hands-on activities, career research, and guest speaker sessions to explore potential career paths and make informed decisions about their future. This course provides students with the tools to begin planning their careers, whether they choose to pursue further education or enter the workforce directly.

2411 Consumer Economics/Education provides students with the knowledge and skills necessary to make informed financial decisions throughout their lives. The course emphasizes goal-setting, budgeting, and responsible financial planning for individuals and families. Topics include savings and investing, credit, insurance, taxes, social security, spending patterns, contracts, and consumer protection. Students also learn about consumer rights, financial contracts, and the role of the global economy on personal finances. Through practical exercises, case studies, and real-world scenarios, students gain essential tools to manage their money, avoid common financial pitfalls, and prepare for long-term financial security.

2425 Consumer Law introduces students to the U.S. legal system, focusing on laws that affect consumers and young adults. Topics include contractual laws, consumer protection, housing and marriage laws, and constitutional rights. Students learn about

legal issues in consumer transactions, such as fraud, advertising regulations, and product warranties. Through real-world examples and case studies, students gain the knowledge to navigate legal situations and understand their rights and responsibilities as consumers.

2412 Economics (Business) introduces students to the principles of economics as they apply to business decision-making. Topics include supply and demand, market structures, pricing strategies, and the role of government in business. Students explore how businesses make economic decisions regarding production, distribution, and consumption, while also considering factors such as competition, inflation, and unemployment. Through case studies and real-world examples, students gain a deeper understanding of how economic principles impact business operations and the broader economy.

2417 Finance (Not for Personal Financial Literacy) focuses on how businesses raise, allocate, and manage financial resources while assessing and mitigating risk. Students explore financial decision-making related to borrowing, lending, investing, and issuing equity. Topics include budgeting, financial analysis, risk management, financial planning, and the role of financial institutions in the economy. The course emphasizes real-world applications using spreadsheets, financial calculators, and simulations. This course prepares students for advanced study and careers in corporate finance, banking, and business administration.

2413 General Business introduces students to a wide range of fundamental business concepts, including banking and finance, consumerism, credit, investment, management, and the role of government in business. The course provides an overview of the U.S. economic system, small businesses, and corporate structures. Students also explore career opportunities in areas such as administration, accounting, management, and entrepreneurship. Emphasis is placed on understanding business operations, decision-making, and the ethical and legal aspects of business. This course serves as a foundation for students pursuing further study in business or related fields.

2428 IB Business Education prepares students for the International Baccalaureate (IB) Business and Management exams by exploring business decision-making, ethics, and sustainability. Topics include business organization, marketing, finance, human resources, operations management, and the global business environment. The course emphasizes creativity, change, and ethical considerations, while developing skills in strategic thinking, problem-solving, and decision-making. Students engage with real-world case studies to prepare for careers in business and management, as well as future IB Business and Management studies.

2414 Information Processing focuses on developing skills in managing and processing digital information using software tools. Topics include data entry, word processing, spreadsheets, databases, and digital communication. Students learn to input, organize,

analyze, and present information effectively and efficiently. The course emphasizes accuracy, file management, and the ethical use of technology. Students also explore real-world applications in business and personal environments, providing a foundation for careers in office administration, data management, and related fields.

2415 Introduction to Business Technology I introduces students to the foundational concepts and skills needed to navigate and utilize technology in business settings. Topics include computer hardware, software applications, digital communication, and the use of productivity tools like word processing, spreadsheets, and presentation software. Students gain hands-on experience in creating, managing, and storing digital documents and data. The course emphasizes the role of technology in business operations, including ethical considerations and the impact of technology on business decision-making and efficiency. This course lays the groundwork for further study in business technology and related fields.

2416 Introduction to Business Technology II builds on the foundational skills learned in Business Technology I, expanding students' proficiency in using advanced business technology tools and applications. Topics include advanced word processing, data analysis using spreadsheets, database management, digital presentations, and business communication software. Students also explore emerging technologies, such as cloud computing and collaborative tools, and their applications in business environments. The course emphasizes the integration of technology into business operations, focusing on efficiency, problem-solving, and ethical considerations in digital contexts. This course prepares students for careers in business technology, office administration, and related fields.

2418 Marketing introduces students to the principles and practices of marketing in business. Topics include market research, consumer behavior, product development, pricing strategies, advertising, promotion, and distribution. Students learn how businesses create value for customers, build brand awareness, and develop strategies to meet market demands. The course also covers digital marketing, social media strategies, and ethical considerations in marketing practices. Through real-world case studies and projects, students develop skills in communication, critical thinking, and decision-making, preparing them for careers in marketing, sales, and business management.

2419 Office/Secretarial Procedures provides students with the essential skills and knowledge required for effective office and administrative support. Topics include office organization, time management, customer service, file management, and the use of office equipment and technology. Students learn how to manage correspondence, handle scheduling and appointments, and process documents with accuracy and professionalism. Emphasis is placed on communication skills, both verbal and written, as well as ethical and legal considerations in an office setting. The course prepares students for careers in office administration, clerical support, and other business-related fields.

2420 Recordkeeping teaches students the principles and practices of organizing, maintaining, and managing business and financial records. Topics include filing systems, data entry, document processing, inventory management, and maintaining accurate financial records. Students learn about the importance of confidentiality, compliance with legal requirements, and ethical considerations in record management. The course emphasizes the use of digital tools and software for record keeping and document storage. This course prepares students for careers in office administration, accounting, and other fields requiring strong organizational skills and attention to detail.

COMPUTER SCIENCE & TECHNOLOGY EDUCATION

Computer Science

Eligible for All Diploma Pathways

2511 Advanced Programming immerses students in software development through a study of advanced programming concepts, including data structures, algorithms, and multi-platform development. Using modern tools and methodologies, students design, implement, and evaluate complex software solutions while applying industry-standard practices such as version control, APIs, and systematic testing. Emphasis is placed on collaborative and independent problem-solving, program efficiency, scalability, usability, and security.

2535 AP Computer Science A follows the College Board's suggested curriculum designed to mirror college-level computer science courses by introducing students to computer science through programming. Fundamental topics include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

2536 AP Computer Science Principles follows the College Board's suggested curriculum design to mirror college-level computer science principles courses by introducing students to the breadth of the field of computer science. Students learn to design and evaluate solutions and apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

2531 Computer Science I provides students with opportunities to write and design programs for computers using one or a variety of programming languages including exposure to artificial intelligence concepts. Students use logical thinking skills to focus on programming structures, fundamental data types, and develop algorithms and use abstractions to solve computational problems. The course covers input/output, looping, and arrays. Students learn to analyze data and explore the impacts of computing on society while also building skills and awareness in digital citizenship and cybersecurity.

2532 Computer Science II allows students to explore advanced programming paradigms including object-oriented programming, work with various data structures, and develop solutions using artificial intelligence and advanced algorithms. The areas of major emphasis are on algorithms, data structures, and ethics which include programming syntax, interface controls, events, data types, controlling program flow, arrays/structures, and color/sound/graphics. Students continue to evaluate ethical considerations and societal impacts of computing innovations while exploring advanced technical concepts.

2512 Cybersecurity introduces cybersecurity fundamentals, focusing on network security, cryptography, risk identification, and digital forensics. Students learn to assess cyber threats, implement security measures, and understand the legal and ethical implications of cybersecurity. Hands-on activities provide experience in protecting computer systems and data from potential attacks.

2558 IB Computer Education is a rigorous course offered at both Standard Level (SL) and Higher Level (HL) and prepares students to take the International Baccalaureate Computer Science exams. IB Computer Education explores fundamental concepts of computational thinking and computer operations. The course covers core topics such as system fundamentals, computer organization, networks, and programming, with HL students delving into additional areas like abstract data structures and resource management. Students engage in practical programming, problem-solving, and the development of computational artifacts while examining the implications of technology in society.

2556 Web Design explores front-end and back-end development while integrating core computer science principles. Students develop algorithms, manage data structures, and apply computational thinking using HTML, CSS, and JavaScript. The course covers the software development lifecycle, including project planning, version control, and debugging. Students implement data abstraction through databases, APIs, and event-driven programming while incorporating cybersecurity practices. Through collaborative projects, students balance technical requirements with usability and ethical considerations in computing.

Technology Education

Eligible for All Diploma Pathways

2551 Computer Applications I provides high school students with essential digital literacy skills necessary for academic, professional, and personal success. Through hands-on projects and real-world scenarios, students develop proficiency in widely used software applications such as Microsoft Office and Google Workspace. They master creating professional documents, presentations, and reports; organizing and analyzing data with spreadsheets and databases; and collaborating effectively using online tools. Emphasis is placed on ethical technology use, problem-solving, and applying software solutions to address real-world challenges, preparing students to excel in a technology-driven world.

2552 Computer Applications II equips high school students with deeper expertise in computer applications and digital literacy. Students master advanced features of word processing, spreadsheets, and presentations; explore desktop publishing and graphic design principles; and learn web design fundamentals using HTML, CSS, and introductory JavaScript. They delve into advanced database concepts, including data relationships, queries, and reporting, while engaging in critical discussions about ethical and legal technology issues such as online privacy, digital footprints, and cyberbullying. Through hands-on projects and real-world applications, students refine their skills and prepare for academic, personal, and professional success in a digital landscape.

2557 Desktop Publishing builds on foundational word processing skills, introducing students to the principles of design and advanced software tools for creating professional-quality visual communications. Students design and produce a variety of materials, such as brochures, newsletters, programs, web pages, presentations, and manuscripts, while learning key concepts in layout, typography, image editing, and color theory. Through engaging, hands-on projects, students develop the technical proficiency and creative skills needed to communicate effectively through visual design, preparing them for academic, personal, and professional success.

Eligible for Elective Credit Only

2554 E-Sports explores esports, from competitive gaming and team dynamics to the business and culture behind this rapidly growing industry. Students develop skills in strategy, communication, and leadership while learning about career pathways in areas like broadcasting, event management, marketing, and game design. Through hands-on projects and tournaments, this course offers a comprehensive introduction to esports and its opportunities.

2553 Keyboarding introduces students to essential keyboarding skills, focusing on proper technique, typing accuracy, and speed development. Students advance from mastering basic keystrokes to applying their skills in creating and formatting digital documents. By

building a strong foundation in keyboarding, students enhance their digital literacy and gain confidence to engage with technology effectively in school and beyond.

ENGLISH LANGUAGE ARTS

Eligible for All Diploma Pathways

4057 AP English Language and Composition follows the College Board's suggested curriculum designed to parallel college-level English courses by exposing students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

4010 AP English Literature and Composition follows the College Board's suggested curriculum designed to parallel college-level English courses by enabling students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

4045 English I (Grammar and Composition) builds 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.

4048 English II (World Literature) offers 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.

4051 English III (American Literature) continues 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.

4054 English IV (British Literature) 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.

4065 IB Language Arts

- **IB Language A: Literature—English** prepares students to take the International Baccalaureate Language A: Literature exams at either the standard or higher level. Course content includes in-depth study of literature chosen from the appropriate IB list of texts and authors, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using English in an academic context.

- **IB Language A: Language and Literature—English** prepares students to take the International Baccalaureate Language A: Language and Literature exams at either the standard or higher level. Course content includes in-depth study of composition for purpose and audience, forms of mass communication and the media, and the context and elements of literature. The course includes oral and written assignments and is designed for students highly competent in using English in an academic context.

Eligible for Elective Credit Only

4302 Advanced Writing focuses on students' writing skills and develop their ability to compose different types of papers for a range of purposes and audiences. These courses enable students to explore and practice descriptive, narrative, persuasive, or expositive styles as they write paragraphs, essays, letters, applications, formal documented papers, or technical reports. Although composition courses may present some opportunities for creative writing, their focus usually remains on nonfiction, scholarly, or formal writing.

4250 Applied Communications focuses on the application of written and oral communication skills through a variety of formal and informal experiences. The courses are performance-based and emphasize effective interpersonal and team-building skills. Communications courses may also involve the study of how interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices.

4301 Creative Writing offers 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).

4059 English Language Arts Remediation provides instruction in basic language skills, integrating reading, writing, speaking, and listening, while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, developing writing and composition skills, reading silently or aloud, and improving listening and comprehension abilities. Specific content depends upon the Oklahoma Academic Standards for the particular grade.

4063 English Learners provides for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. EL courses usually begin with extensive listening and speaking practice, building on auditory and oral skills, and then move on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to "regular" English courses. EL classes may also include an orientation to the customs and culture of the diverse population in the United States.

4111-4114 Journalism I-IV is typically associated with the production of a school newspaper, yearbook, or literary magazine. This course emphasizes writing style and technique as well as production values and organization. Journalism introduces students to the concepts of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the principles of production design, layout, and printing. Photography, photojournalism, and digital technology skills may be included.

4140 Library Science provides students with the opportunity to work in the library or in media and audiovisual centers. Duties may include collecting, distributing, and categorizing materials; operating audiovisual equipment; assisting students and teachers; and performing clerical duties. Students typically gain experience in library science and/or media and audiovisual technology.

4066 Mythology introduces students to the origins and meaning of myths, including how cultures use myths to explain natural or social phenomena. Students explore the major

themes, stories, characters, and archetypes present in the mythologies of several different cultures.

4150 Newspaper provides students with the knowledge and skills necessary to produce the school newspaper. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

4210 Reading improves a student's vocabulary, critical-thinking, and analysis skills, or reading rate and comprehension level. Although these courses typically emphasize works of fiction, they may also include works of nonfiction (including textbooks). Reading courses often have a time-management focus, offering strategies for note-taking or for understanding and evaluating the important points of a text.

4058 Reading Remediation provides instruction in basic reading skills while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and may include vocabulary building, improving spelling and grammar, reading silently or aloud, and improving listening and comprehension abilities. Specific content depends upon the Reading strand in the Oklahoma Academic Standards for the particular grade.

4230 World Literature uses representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion is an integral part of literature courses, and written compositions are often required.

4240 Yearbook provides students with the knowledge and skills necessary to produce the school yearbook. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

FAMILY AND CONSUMER SCIENCES

Eligible for Elective Credit Only

3421 Family and Consumer Sciences I helps students to develop the knowledge and skills to manage one's life, family, and career effectively. Course topics typically include proper 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.

3422 Family and Consumer Sciences II emphasizes personal responsibility in managing multiple life roles through hands-on, project-based learning. Students focus on individual development, maintaining personal environments, applying nutrition and wellness practices, managing family resources, and creating textile and apparel products. The course also explores careers in Family and Consumer Sciences, such as child care, while integrating STEM concepts where applicable.

3423 Family and Consumer Sciences III introduces safety and sanitation practices, basic kitchen math, nutrition through the lifespan, and international cooking, with hands-on experience in cooking labs. The sewing unit covers basic tools, fabric terminology, sewing techniques, and machine skills, allowing students to complete a basic sewing project.

3424 Family and Consumer Sciences IV enhance cooking skills through hands-on labs and projects where students practice food handling and explore how ingredient adjustments affect outcomes. Students learn about nutrients and their impact on health, while practicing menu planning and budgeting with cost-effective recipes. The course also introduces career opportunities in Foods and Fashion, helping students identify potential career paths.

3410 Family Relations/Marriage and Family promotes the importance of building and maintaining strong, healthy relationships within the family unit and the broader community. It focuses on the foundational responsibilities of family members, particularly the roles of the family provider and caregiver, and the significance of balancing work, family, and personal life. Additionally, it explores the influence of the family experiences on individual growth, development, and ability to maintain mutually respectful relationships.

FINE ARTS

Dance

Eligible for All Diploma Pathways

2867-2870 Ballet I-IV **(Prerequisite: Dance I)** concentrates on improving students' technique in Ballet from beginning to proficient, advanced, or accomplished levels. Ballet III and IV provide opportunities for discussion and career and post-secondary exploration and placement. Ballet IV prepares students in dance performance at a pre-professional and college ready level.

2908 Color Guard introduces multiple types of dance and work with props to create performances throughout the school year. Performances may be with an instrumental

ensemble or recorded music. Course involves creating, connecting, and responding to self and peer dance work and the dance work of other guards. Formative and summative assessments are used to give feedback to dancers and improve their mastery of the form. The course is during the school day (not extra-curricular) and is taught by a certified dance educator.

2907 Dance Appreciation explores how to respond and connect to dance. Students evaluate how movement conveys meaning by analyzing artistic work. Students perceive and analyze artistic work to relate with societal, cultural, and historical context to deepen understanding.

2877 Dance for Musical Theatre explains how dance can be used to advance and support a storyline by combining dance, music, songs, and spoken dialogue. Students learn the history of Musical Theatre and types of dance that are typically used in American Musical Theatre including Tap, Jazz, Ballet, and Contemporary Dance forms. These courses may also provide opportunities for discussions in career and post-secondary exploration and placement.

2862-2865 Dance I-IV explores dance content through the artistic processes of creating, performing, responding, and connecting. These courses may introduce dance history, culture, and vocabulary in the context of these processes. General Dance courses may also develop students' ability to move expressively, without an emphasis on particular dance forms or on developing specific dance techniques.

2906 Dance Improvisation & Composition (Prerequisite: Dance I-III or multiple years of HS dance study) utilizes improvisational devices and elements of composition to organize, develop, refine, and complete artistic ideas and dance work. Students create a dance or a portion of a dance to demonstrate mastery.

2866 Dance Performance and Production (Prerequisite: Dance I-III or multiple years of HS dance study) provides an opportunity for students to learn about diverse choreography styles. Students may specialize in a certain dance genre. Students learn the basics of lighting, sound, makeup, costuming, stage management and other aspects of dance concert production. This course may also provide opportunities for discussion around career and post-secondary exploration and placement. The course emphasizes performance and typically requires auditions.

2875-2876 Hip Hop I & II (Prerequisite: Dance I) provides students with ongoing training in one specific form of dance and concentrate on improving students' technique in that form.

2889-2892 Jazz I-IV (Prerequisite: Dance I) focuses on improving students' technique in Jazz from a beginning to proficient to advanced to accomplished level. Jazz III and IV provide opportunities for discussion and career and post-secondary exploration and

placement. Jazz IV prepares students in dance performance at a pre-professional and college ready level.

2897-2900 Modern Dance I-IV **(Prerequisite: Dance I)** focuses on improving students' technique in Modern Dance from a beginning to proficient to advanced to accomplished level. Modern Dance III and IV provide opportunities for discussion and career and post-secondary exploration and placement. Modern IV prepares students in dance performance at a pre-professional and college ready level.

2882-2883 Tap I & II **(Prerequisite: Dance I)** provides students with ongoing training in one specific form of dance and concentrate on improving students' technique in that form.

2905 World/Cultural Dance **(Prerequisite: Dance I)** introduces authentic dances from other nations in the context of the people's history, culture, and customs. Students also learn about and observe Native American dance forms. Courses involve creating, performing, and responding to dances of other time periods and/or cultures. This is a studio-based course.

Eligible for Elective Credit Only

3041 Flag Corps/Drill Team Students learn dances/routines and perform with or without the marching band during the school year. The class may be extra-curricular at certain times and an audition may be required. Certification in dance education is not a requirement for Flag Corps/Drill Team instructors.

Drama/Theatre

Eligible for All Diploma Pathways

2893-2896 Acting I-IV focuses on the study and performance of drama in its many forms, including musical theatre, drama, and comedy. These courses review a wide range of scripted materials (such as plays, screenplays, teleplays, readers' theatre scripts); dramatic criticism; techniques for creating original dramatic works; and the role of dramatic arts in society. Advanced courses focus on extending and refining technique while expanding students' exposure to different types of theatrical craft and traditions from varied social/historical contexts and enable increased opportunities for students to participate in publicly staged theatrical productions.

4019-4022 Drama I-IV provides experiences so students can develop skills in one or more aspects of theatrical production. These introductory courses provide an overview of theatrical elements including Acting, Set Design, Stage Management, Directing, Playwriting, and Production. These courses may also provide career exploration and postsecondary placement opportunities.

4221-4224 Speech and Competitive Acting I-IV offers students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Often linked to an extracurricular program, these courses introduce students to numerous public speaking situations, and they learn the methods, aims, and styles of a variety of events (e.g., oratory, extemporaneous speaking, oral interpretation, duets/duos, monologue). Participation in competition (through organizations such as OSSAA and/or NSDA) is encouraged, especially at levels III and IV.

2856-2859 Technical Theatre I-IV provides students with a basic, practical understanding of the various aspects of theatrical production, such as lighting, costuming, sound, set construction, makeup, stage management, and the use of computer and media-based applications to support these functions through hands-on learning. These courses provide a foundation for career and post-secondary placement opportunities.

3023 Vocal Production/Theatre provides students with the opportunity to explore and/or participate in various aspects of musical theatre, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work.

2956 Humanities I (Drama/Theatre Emphasis) is an exploration and analysis of aesthetic drama/theatre contributions to history. The course examines drama/theatre performance, playwriting, and other means of self-expression and self-reflection that mark us as uniquely human. Through creating, performing (analyzing), responding, and connecting, students understand drama/theatre and the human experience.

Humanities Elective

Eligible for Elective Credit Only

Not Eligible for Fine Arts Credit

2951 Humanities examines and evokes student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music. Teachers of this course are not certified in a fine arts subject area.

Media Arts

Eligible for All Diploma Pathways

2917-2918 Animation I & II explores the creative and conceptual aspects of designing and producing animated images for storytelling and multimedia presentations including dramatic narratives; artistic and experimental presentations and installations; and ambient, interactive, immersive and performance media. Topics may include motion graphics; compositing and visual effects; 2D and 3D animation; timing and spacing; aspect ratio; video editing; animation physics and expressions; pre- and post-production methods, tools and processes; animation presentation, transmission, distribution, and marketing; and contextual, cultural, and historical aspects and considerations. Students may also have an opportunity to explore other related areas including interactive applications, virtual reality, and game design.

2913-2914 Film I & II explores the creative and conceptual aspects of understanding, designing, and producing moving images such as documentaries, fictional narratives, music videos, video games, social media, commercials (marketing/advertising industry), etc. Topics may include aesthetic meaning, appreciation, and analysis of moving imagery (screen studies), and the development of active/mature film viewing practices. In addition, the course may include all processes of development including pre-production planning and organization, production and post-production methods, tools, and processes; moving image presentation; transmission, distribution, and marketing; critical analysis/reception; and contextual, cultural, and historical aspects and considerations.

2851-2854 Graphic Design Form I-IV (sometimes known as Visual Communications Design) emphasizes applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. This course includes investigations of how technology influences the creation of graphic and digital designs. Students study historical and contemporary visual communications design. Students learn and practice 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.

2919 Media Arts-Comprehensive introduces students to the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various mediums and forms, such as moving image, sound, interactive, spatial and/or interactive design. Topics may include aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; transmission, distribution and marketing; and contextual, cultural, and historical aspects and considerations.

2885-2888 Photography I-IV provides 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.

2915-2916 Video & Audio Production I & II explores video and/or audio as a creative tool for documentary or fiction storytelling, news media and broadcasting, radio production, podcasting, and/or streaming. Topics include a variety of media, techniques, and processes. Students engage in critiques of their creations, the works of other students, and products of professional video/audio artists for the purpose of reflecting on and refining work.

Music

Eligible for All Diploma Pathways

3055 AP Music Theory is designed to be the equivalent of a first-year music theory college course as specified by the College Board. AP Music Theory develops students' understanding of musical structure and compositional procedures. Usually intended for students who already possess performance-level skills, AP Music Theory courses extend and build upon students' knowledge of intervals, scales, chords, metric/rhythmic patterns, and the ways they interact in a composition. Musical notation, analysis, composition, and aural skills are important components of the course.

3052 Applied Music provides individuals with instruction in instrumental literature and instrumental techniques or vocal techniques and repertoire. These courses may be conducted either individually or in a small group. Formal and informal performances may be part of the instructional program as well as experiences in creating, responding, and connecting to music.

3001-3004 Band I-IV promotes students' technique for playing brass, woodwind, or percussion instruments and cover a variety of band literature styles, primarily for concert performances and also include experiences in creating, responding, and connecting to music.

3047 Culturally Influenced Ensemble helps students perform a variety of cultural music styles, such as Mariachi band, steel drum band, Indian gamelan, or African drumming ensembles. At the same time, these courses help students develop techniques on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion

instruments, and/or electronic and provide experiences in creating, responding, and connecting to music. Courses emphasize instrumental music but may also include vocal music. Advanced coursework provides students with opportunities for growth through rehearsal and performance, improvisation, or creating and performing their own compositions.

3051 General Music follows the proficient strand of the OAS in Music. The course provides students with access to music experiences that include a variety of genres and cultures. The curriculum should include the artistic processes of creating, performing, responding, and connecting to music.

3049 Guitar provides students an introduction to music and guitar literature and techniques. Further study should refine the fundamentals of music and guitar techniques, such as strumming and chords and may offer instruction in more advanced techniques. These courses may include bass, ukulele, and other plucked string instruments. Formal and informal performances are typically included as well as experiences in creating, responding, and connecting to music.

3042-3043 IB Music (Standard Level & Higher Level) prepares students to take the International Baccalaureate Music exam at either the standard or higher level. IB Music courses develop students' knowledge and understanding of music through the study of musical perception, including study of musical elements, form and structure, notations, musical terminology and context. These courses include exploration of music from different places, cultures, and time periods. They also involve training in at least one of the following: creating, solo performing, and group performing.

3031-3034 Jazz Band I-IV helps cultivate students' technique on instruments appropriate to the style(s) performed—brass, woodwind, string, percussion instruments, and/or electronic. The course provides experiences in creating, responding, and connecting to music. Courses typically range in size from 2 to 20 performers.

3053 Music Appreciation provides students with an understanding of music and its importance in their lives. Course content focuses on how various styles of music (rock, jazz, hip hop, classical, etc.) apply musical elements to create an expressive or aesthetic impact. Students may have opportunities for informal music performance and creation within the classroom.

3056 Music History provide students with an understanding of music, its importance, and context in a selected range of historical periods and/or cultural styles. Students also have the ability for informal music performance and creation within the classroom. Suggested focus genres could include rock 'n roll, hip hop, or Western-European classical music.

3050 Music Immersive Experience (Prerequisite: Multiple years of HS music study) provides students with work experience in a field related to music. Goals are typically set

cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

3054 Music Theory provides students with an understanding of the fundamentals of music and include the following topics: composition, arranging, analysis, aural development, and sight reading.

3005-3008 Orchestra I-IV helps develop students' technique for playing bowed-string instruments, performing string-oriented literature, and string-specific techniques. These courses may emphasize collaboration through rehearsal and performance experiences in creating and responding to music and may include more advanced techniques working towards collaboration with woodwind, brass, and percussion instruments for more advanced repertoire.

3048 Piano provides students an introduction to music and keyboard literature and techniques. Further study should refine the fundamentals of piano (e.g., scales, chords, and melodic lines) while offering instruction in more advanced techniques. Although the focus of this course is not to offer "concerts," formal and informal performances are typically included as well as experiences in creating, responding, and connecting to music.

3081-3084 Show Choir I-IV helps students develop vocal techniques while focusing primarily on contemporary stage literature styles, such as traditional jazz, pop, and rock. Thee course may also focus on gospel or acapella choral group dynamics. In addition, the course should focus on choreography and movement, including fundamental warm-up skills, basic dance steps, retention, and execution. The ensemble provides performance opportunities and includes experiences in creating, responding, and connecting to music.

3071-3074 Vocal Music I-IV develops students' vocal skills within the context of a large choral ensemble in which they perform a variety of styles of repertoire. These courses are designed to develop students' vocal techniques and their ability to sing parts and include experiences in creating and responding to music.

3023 Vocal Productions/Theater provides students with the opportunity to explore and/or participate in various aspects of musical theatre, including auditioning, singing, acting, and dancing. These courses review the history and evolution of musical theatre, its literature and artists, and styles of composition and vocal presentation. Students work collaboratively on performances, including solo, duet, and ensemble work.

2954-2955 Humanities I-II (Music Emphasis) is an exploration and analysis of aesthetic music contributions to history. The course examines music performance, composition, and other means of self-expression and self-reflection that mark us as uniquely human.

Through creating, performing (analyzing), responding, and connecting, students understand music and the human experience.

Visual Art

Eligible for All Diploma Pathways

2838 AP 2-D Art and Design (Prerequisite: Art I, Art II) is designed for students with a professional or academic interest in three-dimensional art. The course focuses on a variety of concepts and approaches in 3-D Design, enabling the student to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through the use of one or the use of several media. Students refine their skills and create artistic works while documenting their creative processes to submit via a portfolio to the College Board for evaluation.

2839 AP 3-D Art and Design (Prerequisite: Art I, Art II) is designed for students with a professional or academic interest in three-dimensional art. These courses focus on a variety of concepts and approaches in 3-D design and creation, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through the use of one or several media. Students refine their skills and create artistic works to submit via portfolio to the College Board for evaluation.

2816 AP Art History (Prerequisite: Art I, Art II) parallels college-level Art History courses, by encouraging students to critically examine and respond to works of art within their historical and cultural contexts. In covering the art and movements of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media and influences. Students formulate and articulate their reactions to various kinds of artwork to understand and appreciate themselves, others, and the world around them. Students gain an understanding and appreciation of the role of Art through personal, social, cultural, and political lenses.

2815 AP Studio Art Drawing (Prerequisite: Art I, Art II) is designed for students with a professional or academic interest in the art of drawing. The course focuses on a variety of concepts and approaches in Drawing, enabling the student to demonstrate a depth of knowledge of the processes and a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through either the use of one or the use of several media. Students refine their skills and create artistic works while documenting their creative processes to be submitted via a portfolio to the College Board for evaluation.

2808-2811 Art I-IV enables 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.

2817 Art Appreciation introduces students to the historical study of and foundation for many forms of art. These courses help students form an aesthetic framework to examine social, political, and historical events in the world and how visual images express the ideas of individuals and society. Students are involved in the creative process through research and lecture, responding and dialogue, observation and interpretation with artworks and artifacts.

2818 Art History allows students to be introduced to and respond to significant works of art and artists, in relationship to artistic movements that have shaped the world and influenced or reflected various periods of history. Course content emphasizes the evolution of art forms, techniques, symbols, and themes. The course develops an understanding of Visual Arts in relation to social, cultural, political, and historical events throughout the world, while covering multiple artists, contemporary aesthetic issues, and the development of art.

2841-2844 Ceramics/Pottery I-IV engages students in learning experiences that include the historical and cultural context of ceramics, aesthetic inquiry, and creative production. Students develop knowledge of ceramic techniques and processes with an emphasis on creative design and craftsmanship. Experience may include clay modeling, hand building, coil building, casting, and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques. Students balance experimentation and safety, freedom and responsibility while developing and creating artworks.

2878-2881 Drawing I-IV provides a foundation in drawing using a variety of marking techniques and media in both black and white and color, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative drawing. 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 processes and develop their own artistic styles following and breaking from traditional conventions.

2821-2824 Folk Art I-IV helps students apply fundamental processes of artistic expression to the materials and accompanying aesthetics of traditional practical arts. Students may explore types of folk art and the materials and ways in which objects have been created for practical, religious, spiritual, and cultural needs of people around the world. These courses may survey a wide range of craft or art techniques or may focus on only one traditional fine art or craft medium; some possibilities include lettering, serigraphy,

leather, fibers, industrial metal and wood arts and so on. These courses may also explore aesthetic issues surrounding folk art and artists and engage in critiques of these culturally specific art forms.

2911-2912 IB Arts (Standard & Higher Level) provides experiences that develop students' aesthetic and creative faculties, experiences in various visual art forms, offers training in awareness and criticism of Art, and enables students to create quality works of Art of their own. Students perform both studio and research work. The research component is designed to investigate particular topics or concepts of interest in further detail. Students provide evidence of their learning when they take the IB Art/Design exam at the end of the course.

2833-2834 Jewelry and Metals I-II (Prerequisite: Art I) helps students apply fundamental processes of artistic expression to the fabrication of small-scale objects and pieces of jewelry, and include the study of ornamental design, its media, techniques, and processes. These courses typically help students develop expressive and technical skills in creating jewelry, using art metals, and exploring design concepts in form and surface decoration. Courses present a historical and contemporary view of using art metals and other elements in jewelry design and provide instruction in the critique process. Students participate in critiques of their jewelry and metal works, the jewelry and metal works of others, and those by professional jewelers and gemologists for the purpose of reflecting on and refining work for presentation.

2910 Media Production is an introduction to and survey of the creative and conceptual aspects of designing media arts experiences and products, including techniques, genres and styles from various and combined mediums and forms, including moving image, sound, interactive, spatial and/or interactive design. Typical course topics include aesthetic meaning, appreciation and analysis; composing, capturing, processing and programming of media arts products, experiences and communications; their transmission, distribution and marketing; as well as contextual, cultural, and historical aspects and considerations.

2871-2874 Painting I-IV provides a foundation in painting using a variety of techniques and media, emphasizing observation and interpretation of the visual environment, life drawing, and imaginative painting. 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 processes and develop their own artistic styles following and breaking from traditional conventions.

2885-2888 Photography I-IV provides 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.

2901-2904 Sculpture I-IV promotes 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. Courses incorporate the 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.

2831 Studio Art 3-D (Prerequisite: Art I, Art II) is designed for students with a professional or academic interest in three-dimensional art. These courses focus on a variety of concepts and approaches in 3-D design and creation, enabling students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. They can demonstrate such conceptual variety through the use of one or several media.

2832 Studio Art 3-D Design (Prerequisite: Art I, Art II) is an in-depth study of the techniques and methods acquired in Art 3D. Students explore 3D design through advanced experiences emphasizing the refining of craftsmanship and quality of pro- duction. Students are required to develop goals and produce quality work through sculpture, ceramics, collage, fibers, and other media. Students develop a portfolio of their work.

2952-2953 Humanities I-II (Visual Art Emphasis) is an exploration and analysis of aesthetic visual art contributions to history. The course examines art, architecture, and other means of self-expression and self-reflection that mark us as uniquely human. Through the creative process, production, cultural/historical perspectives, and aesthetic response and critique methodologies, students learn about art history, art materials, art works, and artists.

HEALTH/PHYSICAL EDUCATION

Eligible for Elective Credit Only

3330 Competitive Athletics is designed for students who participate in competitive sports. It aims to help students develop the knowledge, experience, and skills required to excel in a specific sport or activity. Examples of such sports include, but are not limited to,

basketball, volleyball, football, baseball, tennis, golf, wrestling, soccer, and track and field. Please note that dance is categorized under the Fine Arts subject area.

3310 Health ensures school-aged youth become individuals who possess the knowledge, attitudes, and skills necessary for making informed, health-promoting decisions, while enabling health literacy, the adoption of health-enhancing behaviors, and the promotion of the health and well-being of others. Students learn about critical health skills, such as analyzing influences, accessing reliable information, and effective interpersonal communication through the lens of health topics, including nutrition, physical activity, mental health, and substance use and abuse.

3320 Physical Education enables school-aged youth to become physically literate individuals who possess the skills, knowledge, and attitudes necessary to lead active and healthy lives. Instruction offers opportunities for all students to experience motor competence, challenge, and social interaction, fostering enthusiasm for movement in ways that make physical activity enjoyable, personally meaningful, and engaging. Students who participate in high-quality physical education programs benefit in multiple areas, including movement skills, physical conditioning, and health-related knowledge. These experiences develop the strategies needed to maintain a physically active lifestyle throughout their lives.

INDUSTRIAL ARTS/TECHNOLOGY EDUCATION

Eligible for Computer Technology Credit for All Diploma Pathways

3580 Aviation Technology I introduces students to the basics of aviation and aircraft operations. Topics include the principles of flight, aircraft structure, flight safety, aviation maintenance, and the roles of aviation professionals. Students gain an understanding of how aircraft are designed, operated, and maintained, as well as the technologies and tools used in the aviation industry. The course emphasizes safety, problem-solving, and hands-on learning, providing a foundation for careers in aviation, aircraft maintenance, and aerospace technology.

3581 Aviation Technology II builds upon the foundational concepts learned in Aviation Technology I, providing students with more advanced knowledge of aviation systems and aircraft maintenance. Topics include aircraft performance, propulsion systems, avionics, and advanced flight safety protocols. Students gain hands-on experience with aviation tools and technologies, as well as learn about aircraft troubleshooting, repair, and inspection procedures. The course emphasizes industry standards, regulations, and safety practices, preparing students for careers in aviation maintenance, aircraft operations, and aerospace technology.

3582 Aviation Technology III provides students with advanced training in aviation systems, maintenance, and operations. Topics include in-depth aircraft systems analysis, advanced troubleshooting, avionics systems, FAA regulations, and the role of technology in modern aviation. Students engage in hands-on projects, including aircraft maintenance, repair, and flight simulation, while refining their technical and problem-solving skills. The course emphasizes real-world applications, professional ethics, and safety standards in aviation. This course prepares students for careers in aviation maintenance, flight operations, and aerospace technology, as well as further education in aviation-related fields.

3583 Aviation Technology IV offers students advanced, comprehensive training in aviation maintenance, repair, and operational systems. Topics include complex aircraft systems, aircraft inspection and certification processes, advanced avionics, and cutting-edge aviation technologies. Students apply their skills in real-world scenarios, focusing on diagnostics, troubleshooting, and system integration. The course also covers FAA regulations, safety protocols, and professional practices in aviation. Emphasis is placed on preparing students for industry certification exams and careers in aviation maintenance, aerospace engineering, and flight operations, as well as for continued education in aviation technology.

Eligible for Elective Credit Only

3511 Architecture I introduces students to the basic concepts and principles of architectural design and construction. Topics include architectural history, design theory, building materials, structural systems, and the role of architects in the design and construction process. Students engage in hands-on projects, creating floor plans, elevations, and models while using industry-standard software and tools. The course emphasizes creativity, problem-solving, and an understanding of the built environment. This course prepares students for further study in architecture, construction, and design fields.

3512 Architecture II builds upon the foundational concepts learned in Architecture I, offering students more advanced training in architectural design, drafting, and project management. Topics include advanced design principles, structural analysis, building codes, site planning, and sustainable design practices. Students work on more complex projects, developing detailed plans, 3D models, and presentations using industry-standard software and tools. Emphasis is placed on teamwork, critical thinking, and real-world applications of architectural concepts. This course prepares students for careers in architecture, construction management, and design, as well as for college-level study in architecture and related fields.

3521 Auto Mechanics I introduces students to the basic concepts and practices of automotive repair and maintenance. Topics include the study of engine systems, electrical

systems, brake systems, suspension, and steering. Students learn to use automotive tools and diagnostic equipment, perform routine maintenance tasks, and troubleshoot basic vehicle problems. The course emphasizes safety, hands-on experience, and the use of industry-standard techniques and equipment. This course provides a foundation for careers in automotive repair, maintenance, and further study in the automotive technology field.

3522 Auto Mechanics II builds on the skills and knowledge gained in Auto Mechanics I, providing students with more advanced automotive repair and diagnostic techniques. Topics include engine diagnostics and repair, transmission systems, advanced electrical systems, fuel systems, and exhaust systems. Students gain hands-on experience with more complex vehicle systems and learn to use advanced diagnostic tools and equipment. The course emphasizes problem-solving, safety protocols, and professional standards in automotive repair. This course prepares students for careers in automotive technology, repair, and maintenance, as well as certification in specific automotive repair areas.

3531 Communications I introduces students to the fundamentals of effective communication in various contexts. Topics include interpersonal communication, active listening, nonverbal communication, and communication in small group settings. Students explore communication theory, develop critical thinking skills, and engage in written, verbal, and digital communication practices. The course emphasizes the development of skills for personal and professional communication, including conflict resolution and teamwork. Through hands-on activities, role-playing, and projects, students build a strong foundation in communication techniques applicable to everyday life and future careers.

3532 Communications II builds upon the foundational communication skills learned in Communications I, with an emphasis on advanced interpersonal, group, and professional communication. Topics include conflict management, persuasive communication, negotiation skills, and communication in organizational settings. Students engage in case studies, group projects, and real-world applications of communication theories and strategies. The course explores digital communication tools and their role in professional environments. Students develop stronger leadership, team building, and communication skills necessary for success in the workplace and beyond.

3541 Construction I introduces students to the fundamentals of the construction industry, including the tools, materials, and techniques used in building projects. Topics include construction safety, reading blueprints, basic carpentry, masonry, electrical systems, plumbing, and site preparation. Students gain hands-on experience with construction tools and equipment, learning how to measure, cut, and assemble materials. The course emphasizes safety protocols, teamwork, and problem-solving. This course provides students with the foundational knowledge and skills necessary for careers in construction, building trades, and further study in construction management.

3542 Construction II builds upon the skills and knowledge gained in Construction I, offering students more advanced training in the construction industry. Topics include advanced carpentry, electrical systems, plumbing, HVAC (heating, ventilation, and air conditioning), masonry, and project management. Students work on more complex building projects, gaining hands-on experience in all phases of construction, from planning and site preparation to finishing work. The course emphasizes the use of industry-standard tools and equipment, teamwork, and adherence to safety protocols. Students also explore the business side of construction, including cost estimation, budgeting, and construction regulations. This course prepares students for careers in construction, skilled trades, and further study in construction management or engineering.

3551 Drafting I introduces students to the basics of technical drawing and design, focusing on the principles and skills required for creating accurate and detailed drawings. Topics include sketching, orthographic projections, dimensioning, isometric drawings, and the use of drafting tools and software. Students learn to read and create blueprints, floor plans, and simple mechanical drawings. The course emphasizes accuracy, attention to detail, and the proper use of industry-standard drafting tools. Students develop a foundational understanding of drafting techniques, preparing them for further study in engineering, architecture, or industrial design.

3552 Drafting II expands upon the skills learned in Drafting I, offering students more advanced techniques in technical drawing and design. Topics include advanced drafting methods, 3D modeling, computer-aided design (CAD) software, mechanical and architectural drafting, and structural systems. Students work on more complex projects, including creating detailed plans for buildings, machinery, and other engineered systems. The course emphasizes precision, problem-solving, and the use of industry-standard tools and software. Students also learn how to collaborate on projects, present their designs, and explore the application of drafting in various career fields, including engineering, architecture, and industrial design.

3553 Drafting III offers students advanced training in technical drawing and design, with an emphasis on specialized areas such as civil engineering, mechanical systems, and architectural design. Topics include advanced 3D CAD modeling, blueprint reading, design optimization, and the creation of detailed construction and manufacturing drawings. Students engage in project-based learning, where they develop comprehensive designs and collaborate on real-world simulations. The course also covers industry standards, design principles, and preparation for professional certification. This course prepares students for careers in engineering, architecture, and design or further study at the postsecondary level in drafting or related fields.

3554 Drafting IV is an advanced course that focuses on professional-level drafting and design techniques, preparing students for careers or postsecondary education in fields such as engineering, architecture, or industrial design. Topics include advanced CAD

modeling, 3D visualization, structural engineering design, electrical systems, and environmental design. Students work on real-world projects, creating comprehensive and complex drawings, including architectural blueprints, mechanical parts, and civil engineering plans. Emphasis is placed on collaboration, problem-solving, and understanding industry standards and codes. The course also covers professional ethics, project management, and prepares students for certification exams or internships in drafting-related fields.

3560 Electric/Electronics introduces students to basic electrical circuits, electronics, and systems. Topics include Ohm's Law, circuit design, electrical safety, and the operation of components like resistors and transistors. Students gain hands-on experience building, testing, and troubleshooting circuits. The course prepares students for careers in electrical and electronics fields, with applications in household, automotive, and industrial systems.

3571 General Technology I introduces students to the fundamentals of technology and its applications. Topics include design principles, basic tools and machinery, and the impact of technology across various industries. Students engage in hands-on projects in areas like manufacturing and construction, developing problem-solving and teamwork skills. This course provides a foundation for further study in engineering, robotics, and industrial design.

3572 General Technology II builds on the skills and knowledge gained in General Technology I. Students explore advanced topics in technology, including automation, robotics, and digital systems. The course emphasizes the application of technology in real-world scenarios through hands-on projects, such as creating functional prototypes and understanding technical systems. Students develop critical thinking and problem-solving skills while gaining a deeper understanding of technological processes and their impact on industries.

3573 General Technology III focuses on specialized areas of technology, including advanced robotics, digital fabrication, and engineering design. Students work on complex projects, applying principles from previous courses to create functional and innovative solutions. The course emphasizes research, design thinking, and the integration of technology in solving real-world challenges. Students gain experience with industry-standard tools and software, preparing them for careers or further study in engineering, robotics, or related fields.

3574 General Technology IV offers students the opportunity to work on advanced, real-world technological projects. Students refine their skills in areas such as engineering design, project management, and systems integration. The course emphasizes innovation, collaboration, and the application of technology in industries such as manufacturing, robotics, and automation. Students may work on capstone projects, preparing them for careers or further education in technology, engineering, or industrial design.

3621 Manufacturing I introduces students to the fundamentals of manufacturing processes and techniques. Topics include safety practices, basic machine operation, blueprint reading, materials handling, and the use of hand tools and power equipment. Students learn about the manufacturing cycle, from design to production, and gain hands-on experience creating simple products. The course emphasizes teamwork, problem-solving, and quality control, providing a foundation for further study in manufacturing or related fields.

3622 Manufacturing II builds on the skills learned in Manufacturing I, offering students more advanced techniques and processes in manufacturing. Topics include advanced machine operation, computer numerical control (CNC) programming, automation, and quality assurance. Students work on more complex projects, developing prototypes and understanding industrial systems. The course emphasizes precision, efficiency, and innovation, preparing students for careers in manufacturing, engineering, or technical design.

3790 Materials and Processes introduces students to common materials used in manufacturing—such as metals, plastics, wood, and composites—and the processes used to shape and join them. Students explore material properties, production methods, and applications through hands-on projects. Emphasis is placed on safety, quality, and how materials influence design and function in industry.

3640 Mechanical Power Systems introduces students to the principles of mechanical energy and how it is used to power machines and systems. Topics include gears, pulleys, levers, hydraulics, pneumatics, and engines. Students learn how power is generated, transferred, and applied through hands-on projects and system analysis. The course emphasizes safety, troubleshooting, and real-world applications in fields such as manufacturing, transportation, and engineering.

3651 Metal Technology I introduces students to basic metalworking skills and processes. Topics include safety, tool and equipment use, measurement, layout, cutting, welding, and shaping metals. Students gain hands-on experience working with various metals while learning fundamental techniques used in manufacturing and construction. The course emphasizes precision, safety, and the development of technical skills.

3652 Metal Technology II builds on skills learned in Metal Technology I, with a focus on advanced metalworking techniques and project-based applications. Students explore welding methods, machining, fabrication, and metal finishing. The course emphasizes quality control, blueprint reading, and problem-solving while preparing students for careers in welding, manufacturing, or metal fabrication.

3660 Photography combines technical skill and creative expression through the study of photography. Students learn camera operation, lighting, composition, and digital editing with industry-standard software. Emphasis is placed on both artistic exploration and real-

world applications in media, marketing, and visual storytelling. Projects include photo essays, portraits, and commercial shoots, helping students build practical skills while developing their creative voice. **This class does not count for fine arts credit.**

3671 Printing I introduces students to the fundamentals of the graphic communications and printing industry. Students learn basic design principles, layout, typography, and image preparation while gaining hands-on experience with printing processes such as screen printing, offset printing, and digital production. The course emphasizes safety, equipment operation, and industry-standard software. Students complete projects that simulate real-world print production tasks, including business cards, posters, and brochures.

3710 Small Engines introduces students to the principles of engine mechanics and maintenance. Students learn about engine components, troubleshooting, repair, and operation, focusing on small engines used in lawnmowers, motorcycles, go-karts, and other equipment. The course covers safety procedures, diagnostics, and basic engine assembly and disassembly. Students gain hands-on experience through practical projects and learn to maintain and repair small engines in preparation for careers in automotive, equipment maintenance, or engineering fields.

3731 Transportation and Power I introduces students to the principles of transportation systems and the technologies that power vehicles and machinery. Topics include engine mechanics, automotive systems, powertrains, and basic troubleshooting. Students gain hands-on experience with transportation equipment, focusing on design, operation, and maintenance, while preparing for careers in automotive repair and mechanical fields.

3732 Transportation and Power II expands on basic skills, focusing on advanced engine diagnostics, repair, and maintenance of complex systems like hybrid and electric vehicles. Students gain hands-on experience with troubleshooting and the latest transportation technologies, preparing for careers in automotive repair and mechanical engineering.

3741 Wood Technology I introduces students to the basics of woodworking, including safety procedures, hand and power tool usage, and basic woodworking techniques. Students learn to design and construct simple projects, such as small furniture or functional items. Emphasis is placed on measurement, materials selection, and understanding wood as a medium. Students gain hands-on experience and develop foundational skills for more advanced woodworking projects.

3742 Wood Technology II builds upon the skills learned in Wood Technology I, focusing on more advanced woodworking techniques. Students work on larger projects that require planning, design, and more complex joinery methods. Topics include advanced tool usage, wood finishing, and the introduction of CAD (Computer-Aided Design) for woodworking. Students continue to develop their craftsmanship while completing projects that emphasize precision and professional-level work.

3743 Wood Technology III focuses on refining advanced woodworking skills and preparing students for professional-level craftsmanship. Students tackle larger, more intricate projects, often incorporating custom designs, advanced joinery, and complex finishing techniques. Emphasis is placed on project management, budgeting, and the use of advanced machinery. Students gain real-world experience through project completion and problem-solving scenarios, building skills relevant to careers in carpentry, construction, and design.

3744 Wood Technology IV provides students with the opportunity to master high-level woodworking skills and design techniques. Students work independently on complex, custom projects that require advanced skills in wood construction, finishing, and design. The course emphasizes the development of a professional portfolio, client interactions, and entrepreneurship within the woodworking and design industries. Students prepare for careers in woodworking, cabinetry, furniture making, or advanced construction roles.

MATHEMATICS

Eligible for All Diploma Pathways

4830 Advanced Studies in Math I (Prerequisite: Calculus) The first semester of Advanced Studies in Math I builds on prior knowledge of systems, matrices, and vectors and extends these topics to define vector spaces and inner product spaces. Other topics include the study of linear transformations, eigenvalues, and eigenvectors. The second semester of the course extends the ideas of calculus introduced in AP Calculus BC into 3-dimensional space. Topics include partial differentiations, multiple integrations, and concludes with the introduction of Green's Theorem, the divergence theorem, and Stokes's Theorem.

4831 Advanced Studies in Math II (Prerequisite: Calculus) Advanced Studies in Math II continues the study of differential equations introduced in the AP Calculus BC curriculum. The topics covered in the first semester include solution techniques for first, second, and higher order differential equations as well as numerical methods and the method of Laplace transformations. In the second semester, several further topics typical of a second semester course in differential equations are covered. The topics include solving systems of linear differential equations, series solutions for differential equations, and an introduction to partial differential equations that includes Fourier series solutions.

4411 Algebra I focuses on the properties and operations of the real number system, including evaluating rational algebraic expressions. Students learn to solve and graph first-degree equations and inequalities, translate word problems into algebraic expressions, and perform operations with polynomials, including factoring. The course also covers

solving simple quadratic equations and exploring their solutions. Aligned with the Oklahoma Academic Standards, Algebra I emphasizes critical thinking and problem-solving skills, preparing students for success in higher-level mathematics.

4432 Algebra IA (½ credit) focuses on the properties and operations of the real number system, including evaluating rational algebraic expressions. Students learn to simplify expressions, solve first-degree equations and inequalities, use data to identify patterns and relationships, and evaluate and interpret functions both algebraically and graphically. Aligned with the Oklahoma Academic Standards, Algebra I - Part 1 covers the foundational concepts and skills from the first semester of Algebra I, preparing students for continued success in Algebra I - Part 2.

4433 Algebra IB (½ credit) builds on foundational algebraic concepts by focusing on representing linear functions and inequalities in various forms, and interpreting those solutions in context. Students evaluate and interpret the solutions of systems of linear equations and inequalities. Aligned with the Oklahoma Academic Standards, Algebra I - Part 2 covers the remaining Algebra I standards, completing the coursework started in Algebra I - Part 1.

4412 Algebra II builds on the foundational concepts learned in Algebra I, helping students develop a deeper understanding of functions and their real-world applications. Students explore complex numbers, solve nonlinear equations, and use algebraic reasoning to solve real-life problems. The course covers four major strands: Numbers & Operations (including complex numbers), Algebraic Reasoning & Algebra, Functions (performing operations, inverse functions, and interpreting function graphs), and Data & Probability. Algebra II emphasizes problem-solving, mathematical communication, and conceptual understanding, preparing students for advanced math courses and future career paths.

4413 Algebra III is an advanced high school math course that builds on Algebra II concepts and prepares students for pre-calculus and calculus. The course covers polynomial, rational, exponential, and logarithmic functions, as well as systems of equations, matrices, and complex numbers. Students study sequences and series, conic sections, and advanced graphing techniques, along with trigonometry skills like sine, cosine, tangent functions, trig identities, and graphing. Emphasizing problem-solving and critical thinking, Algebra III equips students with the skills needed for success in higher education and beyond.

4615 AP Calculus AB follows the College Board's curriculum, designed to parallel college-level calculus courses. This course provides students with a strong foundation in calculus concepts and methods. Topics include functions, graphs, limits, and continuity, as well as differential calculus (derivatives, applications, and computation) and integral calculus (definite integrals and antidifferentiation). Students gain both a conceptual understanding

and practical experience with calculus, preparing them for advanced studies in mathematics and related fields.

4616 AP Calculus BC follows the College Board's curriculum, designed to align with college-level calculus courses. This course covers the concepts from AP Calculus AB and covers additional topics such as parametric, polar, and vector functions; applications of integrals; and polynomial approximations and series, including Taylor series. Students deepen their understanding of calculus methods and applications, preparing them for further study in advanced mathematics and related fields.

4614 AP Precalculus follows the College Board's curriculum and builds on the concepts of functions learned in Algebra 2. Students deepen their mathematical understanding as they interpret real-world phenomena through functions. Key topics include functions (expanding on Algebra 2), conic sections (modeling real-world situations), and trigonometry (working with the unit circle and the six major trigonometric functions). Through problem-solving and mathematical communication, students develop both procedural fluency and conceptual understanding. This course directly prepares students for Calculus and other advanced math courses, and passing the AP Precalculus exam may earn college math credit.

4760 AP Statistics follows the College Board's curriculum and introduces students to key concepts and tools for collecting, analyzing, and drawing conclusions from data. The course covers four main themes: exploring data, sampling and experimentation, probability and simulation, and statistical inference. Students develop conceptual understanding through technology, investigations, problem-solving, and writing. Graphing calculators (TI-83 or TI-84 recommended) are used throughout the course to support learning and analysis.

4612 Calculus is designed for college-bound juniors and seniors who do not plan to take AP Calculus in high school. It introduces key calculus concepts, including functions and their graphs, limits and continuity, and a foundational overview of differential and integral calculus along with their real-world applications. This course provides a solid foundation for further study in calculus and other advanced math courses, preparing students for success in college-level mathematics.

4520 Geometry focuses on reasoning, logic, and the study of two- and three-dimensional shapes, including circles and right triangle trigonometry. Building on prior knowledge from earlier grades, students extend their understanding of basic shapes, surface area, and volume, and apply logical reasoning to solve problems. The course also includes the use of trigonometric ratios and real-world applications, helping students develop problem-solving strategies that connect math concepts to everyday situations.

4820 IB Mathematics Applications and Interpretation (Standard Level) is a college-preparatory math class for IB Diploma students looking to expand their mathematical

knowledge and skills. This course places an emphasis on the applied nature of the subject and is particularly suitable for students who may go on to further study in subjects that utilize mathematics in this way such as biology, the human sciences and business. IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam.

4823 IB Mathematics Applications and Interpretation (Higher Level) is an advanced math class for students pursuing the IB Diploma. Students develop analytical and computational skills, applying mathematical reasoning to solve complex problems and real-world scenarios. The course emphasizes deepening understanding and strengthening problem-solving strategies. This course is suitable for students who may go on to further study in subjects that utilize mathematics in this way such as biology, the human sciences and business. IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam.

4821 IB Mathematics Analysis and Approaches (Standard Level) is a course that appeals to students who are interested in exploring real and abstract applications of mathematical concepts. The course focuses on deepening understanding and strengthening problem-solving abilities. This course is suitable for students who may go on to further study in subjects that have a mathematical background, for example economics, geography and chemistry. IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam.

4822 IB Mathematics Analysis and Approaches (Higher Level) is a course designed for students who wish to study mathematics in-depth and gain a formal understanding of the subject. This course appeals to students who are interested in exploring real and abstract applications of mathematical concepts. This course is suitable for students who may go on to further study in subjects that have a significant level of mathematics content, for example mathematics itself, engineering, physical sciences or economics. IB Mathematical Studies courses prepare students to take the International Baccalaureate Mathematical Studies exam.

4611 Pre-Calculus builds on the concepts of functions learned in Algebra 2, helping students deepen their mathematical understanding and apply it to real-world situations. In this course, students explore three key areas: Functions (expanding on Algebra 2 concepts), Conic Sections (modeling real-world scenarios involving conic sections), and Trigonometry (working with the unit circle and the six major trigonometric functions). Through problem-solving and mathematical communication, students develop both conceptual understanding and procedural fluency. Precalculus serves as a direct foundation for Calculus and other advanced math courses, preparing students to be college and career ready.

4740 Statistics and Probability is a course option for students who have completed Algebra II. This course prepares students for postsecondary careers and college courses by building statistical literacy and understanding key concepts like data analysis, probability, and inference. Students explore variability, sampling, categorical and quantitative data, random variables, and bivariate data. The course emphasizes how to ask statistical questions, collect relevant data, analyze results, and make informed decisions. While not designed for AP exam preparation, it provides essential skills for college and career readiness. Graphing calculators (TI-83 or TI-84 recommended) are used in this course.

4750 Trigonometry (½ unit of credit) is a comprehensive course that focuses on the study of trigonometric functions and their applications. Topics include the unit circle, radian and degree measure, the six trigonometric functions, and graphing these functions. Students explore trigonometric identities, inverse trigonometric functions, and solutions of triangles. Real-world applications of trigonometry are emphasized, preparing students for further study in mathematics, physics, and engineering. This course is ideal for students planning to take calculus and is designed to enhance problem-solving and analytical thinking skills. It is a half-credit course that also incorporates the use of technology to aid in understanding complex concepts.

4645 Math-Locally Regents Approved School districts can teach a course not on this list. This course has been approved by the local school board of education, and it has also been approved for college admission by the Oklahoma State Regents of Higher Education. Consult your school district for more information.

Eligible for Core Diploma Pathway math credit when taught by certified math teacher

2510 Advanced Programming immerses students in software development through a study of advanced programming concepts, including data structures, algorithms, and multi-platform development. Using modern tools and methodologies, students design, implement, and evaluate complex software solutions while applying industry-standard practices such as version control, APIs, and systematic testing. Emphasis is placed on collaborative and independent problem-solving, program efficiency, scalability, usability, and security.

4418 Intermediate Algebra is designed to strengthen students' algebraic skills by bridging concepts from Algebra I and Geometry to prepare them for future mathematical studies. The course emphasizes a deeper understanding by connecting symbolic, visual, and physical representations of math. Key topics include the number system, linear inequalities, and linear functions, with a focus on expanding into polynomials, quadratic functions, and statistics. Students enhance their problem-solving abilities through projects and collaborative learning. This course lays the groundwork for more advanced math courses and is ideal for students pursuing college, career, and life readiness.

4550 College Career Math Ready is designed to prepare high school students for the mathematical demands of college coursework and the workforce. The course focuses on developing critical thinking, problem-solving, and quantitative reasoning skills essential for success in higher education and a variety of careers. Students build on foundational concepts from algebra, geometry, and statistics, while exploring real-world applications in areas such as finance, data analysis, and mathematical modeling.

4780 Computer Science I provides students with opportunities to write and design programs for computers using one or a variety of programming languages including exposure to artificial intelligence concepts. Students use logical thinking skills to focus on programming structures, fundamental data types, and develop algorithms and use abstractions to solve computational problems. The course covers input/output, looping, and arrays. Students learn to analyze data and explore the impacts of computing on society while also building skills and awareness in digital citizenship and cybersecurity.

4781 Computer Science II allows students to explore advanced programming paradigms including object-oriented programming, work with various data structures, and develop solutions using artificial intelligence and advanced algorithms. The areas of major emphasis are on algorithms, data structures, and ethics which include programming syntax, interface controls, events, data types, controlling program flow, arrays/structures, and color/sound/graphics. Students continue to evaluate ethical considerations and societal impacts of computing innovations while exploring advanced technical concepts.

4642 Math-Locally Approved School districts can teach a course not on this list. This course has been approved by the local school board of education, but it has not been approved for college admission by the Oklahoma State Regents of Higher Education. Consult your school district for more information.

4770 Mathematics of Finance **(not for Personal Financial Literacy)** reinforces general mathematics skills, emphasizing speed and accuracy in computations, and applying these skills to various business and financial situations. The course covers topics like arithmetic, measurement, statistics, ratio and proportion, exponents, formulas, and simple equations, using these concepts to solve real-world business problems. Applications include wages, payroll deductions, sales, financial reports, discounts, and interest. Students apply algebra concepts to business scenarios such as income, insurance, credit, banking, taxation, stocks, and bonds.

Eligible for Elective Credit Only

4811 Applied Math I is a math elective that reinforces foundational math skills and applies them to real-world situations. Topics include rational numbers, measurement, basic statistics, ratio and proportion, basic geometry, and simple equations, with a focus on consumer, business, and occupational contexts. Students strengthen their problem-solving skills while applying math to everyday scenarios. This course is ideal for those

seeking practical math skills, but it does not meet the rigor required for courses beyond Algebra 1.

4812 Applied Math II is a math elective that builds on foundational skills and applies them in real-world, occupational settings. Topics include rational numbers, measurement, basic statistics, ratio and proportion, geometry, and simple equations, with a focus on career and work environment applications. This course prepares students for practical math use but does not meet the rigor for courses beyond Algebra 1, making it ideal for those seeking to strengthen math skills without advancing to more complex algebra.

4620 Consumer Math is a practical high school elective designed to help students apply basic math skills to real-world financial situations. Topics include budgeting, taxes, loans, credit, insurance, and personal financial planning. Students learn to manage their finances, make informed decisions about spending and saving, and understand key financial concepts that impact their daily lives. While the course provides essential financial literacy skills, it does not meet the rigor required for courses beyond Algebra I. This course is ideal for those looking to build a strong foundation in financial math.

4630 General Math is a high school elective designed to reinforce students' understanding of fundamental mathematical concepts. The course covers key topics such as whole numbers, fractions, decimals, percentages, basic geometry, and an introduction to algebraic principles. Emphasizing practical problem-solving skills, General Mathematics prepares students for future math courses by strengthening their foundational knowledge. While the course provides essential mathematical skills, it does not meet the rigor required for courses beyond Algebra I. It is ideal for students seeking to solidify their math foundation before advancing to more challenging material.

4640 High School Arithmetic is a foundational math elective designed to strengthen students' basic arithmetic skills and prepare them for more advanced mathematical concepts. The course covers essential operations with whole numbers, fractions, decimals, percentages, and introductory algebraic principles. Students focus on enhancing their problem-solving abilities and applying arithmetic to real-world scenarios. While the course provides a solid foundation in mathematics, it does not meet the rigor required for courses above Algebra I. This class is ideal for students looking to improve their arithmetic proficiency before progressing to higher-level math.

4405 Math Remediation is a support course aimed at helping high school students strengthen their foundational math skills and build confidence in their abilities. The course focuses on addressing gaps in knowledge from previous math courses, emphasizing key concepts like basic arithmetic, algebra, fractions, decimals, and problem-solving strategies. Through targeted instruction, students improve their understanding of essential math skills, laying the groundwork for success in future math courses, including Algebra 1 and beyond.

4431 Pre-Algebra focuses on building essential math skills to prepare students for Algebra I. Key topics include properties of rational numbers, ratio and proportion, estimation, exponents, radicals, and the rectangular coordinate system. Students also explore sets and logic, use formulas to solve problems, and learn to solve first-degree equations and inequalities. The curriculum, aligned with the Oklahoma Academic Standards, emphasizes critical thinking, problem-solving, and applying math concepts to real-world situations.

PERSONAL FINANCIAL LITERACY

Eligible for Elective Credit for grades 10-12 only

1451 Personal Financial Literacy provides students with the foundational knowledge and practical skills necessary to make informed and responsible financial decisions. Students explore key concepts such as earning income, budgeting, saving, banking, credit, debt management, investing, taxes, insurance, charitable giving, and financial goal setting. The course emphasizes financial responsibility, smart consumer habits, and the long-term impact of financial choices.

SCIENCE

Earth and Space Sciences

Eligible for All Diploma Pathways

5121 AP Environmental Science is designed by the College Board to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and human made), evaluate the relative risks associated with the problems, and examine alternative solutions for resolving and/or preventing them. Topics covered include science as a process, ecological processes and energy conversions, earth as an interconnected system, the impact of humans on natural systems, cultural and societal contexts of environmental problems, and the development of practices that will ensure sustainable systems.

5020 Astronomy explores the solar system, stars, galaxies, and interstellar bodies through observation, modeling, and data analysis. Students investigate energy production in stars, solar radiation, orbital patterns, cosmic changes revealed by light spectra and galaxy motion and astronomic tools.

5061 Earth & Space Science explores Earth's dynamic systems from both local and global perspectives, offering students insight into the planet's environment and its place in space. This course covers fundamental topics such as time zones, latitude and longitude, atmosphere, weather, climate, energy transfer, and the nature of matter. Students also investigate Earth's history and systems through the study of geology, oceanography, astronomy, meteorology, and geography. Advanced study may include the use of remote sensing, computer modeling, and data visualization to understand Earth as a complex, interconnected, and ever-changing planet.

5120 Environmental Science examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

5140 Geology provides an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are presented.

5335 Meteorology examines the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.

Life Sciences

Eligible for All Diploma Pathways

5333 Anatomy & Physiology presents 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. Students learn how these systems interact and their role in maintaining homeostasis.

5035 AP Biology Adhering to the curricula recommended by the College Board and designed to parallel college-level introductory biology courses, AP Biology courses emphasize four general concepts: evolution; cellular processes (energy and communication); genetics and information transfer; and interactions of biological systems. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Biology courses include college-level laboratory investigations.

5031 Biology I (use 5021 and 5022 for Biology IA and IB ½ credits, respectively) is 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.

5032 Biology II covers biological systems in more detail after a comprehensive initial study of biology. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the evolution and adaptation of organisms.

5038 Biotechnology involves the study of the bioprocesses of organisms, cells, and/or their components and enable students to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques.

5040 Botany provides students with an understanding of plants, their life cycles, and their evolutionary relationships.

5350 Ecology explores the relationships between organisms and their environments. Students investigate energy flow, matter cycling, population dynamics, and ecosystem stability. Using models and data, they analyze the effects of natural events and human activities on ecosystems and design solutions to support environmental health and sustainability.

5334 Forensic Science provides an overview of the theoretical understanding and practical application of forensic science techniques. This course explores the 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.

5036 IB Biology prepares students to take the International Baccalaureate Biology exams. In keeping with the general aim of IB Experimental Sciences courses, IB Biology promotes understanding of the facts, principles, and concepts underlying the biological field; critical analysis, evaluation, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of biology and scientific advances in biology upon both society and issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes study of statistical analysis, cells, the chemistry of life, genetics, ecology and evolution, human health and physiology, nucleic acids, metabolism, plant biology, genetics, and animal physiology. Laboratory experimentation is an essential component of these courses.

5115 Life Science covers the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.

5336 Microbiology provides students with a general understanding of microbes, prokaryotic and eukaryotic cells, and the three domain systems. Additional topics covered may include bacterial control, cell structure, fungi, protozoa, viruses and immunity, microbial genetics, and metabolism.

5240 Zoology provides students with an understanding of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationships to other organisms. This course helps students develop an awareness and understanding of biotic communities.

Physical Sciences

Eligible for All Diploma Pathways

5010 Aeronautics involves the science and technology of flight while building a strong foundation in scientific concepts and practices. Students develop scientific literacy, curiosity, and critical thinking as they explore how physical forces and systems influence aircraft and aerospace design. Through modeling, problem-solving, and analysis, they connect core principles of science to real-world challenges in aviation and space exploration.

5055 AP Chemistry Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding of intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Chemistry courses include college-level laboratory investigations.

5217 AP Physics C- Electricity and Magnetism Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Electricity and Magnetism courses focus on electricity and magnetism, including topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. AP Physics C courses require the use of calculus to solve the problems posed.

5216 AP Physics C- Mechanics Designed by the College Board to parallel college-level physics courses that serve as a partial foundation for science or engineering majors, AP Physics C: Mechanics courses focus on classical mechanics, including topics in

kinematics; Newton's laws of motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. AP Physics C courses require the use of calculus to solve the problems posed.

5213 AP Physics I (Algebra-based) Designed by the College Board to parallel first-semester college-level courses in algebra-based physics, AP Physics 1 courses focus on Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory circuits. These courses may also include college-level laboratory investigations.

5214 AP Physics II (Algebra-based) Designed by the College Board to parallel second-semester college-level courses in algebra-based physics, AP Physics 2 courses cover fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. These courses may also include college-level laboratory investigations.

5051 Chemistry I involves studying the composition, properties, and reactions of substances. These courses typically explore such concepts as the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

5052 Chemistry II covers chemical properties and interactions in more detail. Advanced chemistry topics include organic chemistry, thermodynamics, electrochemistry, macromolecules, kinetic theory, and nuclear chemistry.

5053 IB Chemistry prepares students to take the International Baccalaureate Chemistry exams. In keeping with the general aim of IB Experimental Sciences courses, IB Chemistry promotes understanding of the facts, patterns, and principles underlying the field of chemistry; critical analysis, evaluation, prediction, and generation of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of chemistry and scientific advances in chemistry upon both society and issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes the study of quantitative and organic chemistry; atomic structure, periodicity, bonding, energetics, kinetics, equilibrium, acids and bases, oxidations and reduction, and measurement and data processing. Laboratory experimentation is an essential part of these courses.

5218 IB Physics prepares students to take the International Baccalaureate Physics exams. In keeping with the general aim of IB Experimental Sciences courses, IB Physics promotes understanding of the facts, patterns, and principles underlying the field of physics; critical analysis, prediction, and application of scientific information and hypotheses; improved ability to communicate scientific ideas; developing technology skills in a scientific context; and an awareness of the impact of scientific advances in physics upon both society and

issues of ethical, environmental, economic, and cultural importance. Course content varies, but includes the study of physical measurement; mechanics; thermal, atomic, and nuclear physics; oscillations and waves; electric currents; fields and forces; and energy, power, and climate change. Laboratory experimentation is essential; calculus may be used in some courses.

5160 Physical Science involves study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

5211 Physics I involves 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.

5212 Physics II provides instruction in laws of conservation, thermodynamics, and kinetics; wave and particle phenomena; electromagnetic fields; and fluid dynamics.

Science

Eligible for College Prep/Work Ready Diploma Pathway

5075 Science-Locally/Regents Approved School districts can teach a course not on this list. This course has been approved by the local school board of education, and it has also been approved for college admission by the Oklahoma State Regents of Higher Education. Consult your school district for more information. This course is sufficient

Eligible for Core Diploma Pathway

5072 Science-Locally Approved School districts can teach a course not on this list. This course has been approved by the local school board of education, but it has not been approved for college admission by the Oklahoma State Regents of Higher Education. Consult your school district for more information. This course is only sufficient for the core pathway curriculum.

Science Electives

Eligible for Elective Credit Only

5110 Electronics provides a survey of the theory, terminology, equipment, and practical experience in the skills needed for careers in the electronic field as well as typically cover the theory of electricity. Course topics may include AC, DC, analog, and integrated circuitry and solid state and digital devices, amplifiers, and semiconductors. Skills covered may involve the repair, maintenance, and building of electronic equipment such as radios, television sets, and industrial equipment.

5133 General Science content varies, but this course draws upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.

5023 Pre-Biology I introduces students to the basic concepts of life science in preparation for high school biology. Topics may include an overview of cell structure and function, the characteristics of living organisms, basic genetics, the classification of plants and animals, and simple body systems. The course emphasizes foundational skills in observation, scientific thinking, and the processes that support life.

5070 Principles of Technology focuses on the study of the forces and laws of nature and their application to modern technology. Equilibrium, motion, momentum, energy conversion, electromagnetism, and optical phenomena are presented in the context of current, real-world applications. Demonstrations, mathematics labs, and applied laboratory experiments are an integral part of the Principles of Technology curriculum. These courses may enable students to gain a solid foundation for careers in electronics, robotics, telecommunications, and other technological fields.

SOCIAL STUDIES

Eligible for All Diploma Pathways

5780 American Indian Studies examines the history, culture, and impact of the 39 American Indian tribes found in modern-day Oklahoma. Courses in cultural studies encourage students to explore either their own personal heritage or that of another group developing greater understanding and appreciation of other cultures.

5420 Ancient and Medieval History seeks to develop an understanding and appreciation of key events, historical figures and legacy of ancient world civilizations prior to the Renaissance. Students articulate the history of the ancient Greeks and the Roman Empire, including the lasting impact of social, political, and economic change during the Middle Ages, drawing distinctions between the early, high, and late Middle Ages.

5732 Anthropology introduces students to the study of human evolution with regard to the origin, distribution, physical attributes, environment, and culture of human beings. These courses provide an overview of anthropology, including but not limited to both physical and cultural anthropology.

5540 AP African American Studies follows the College Board's suggested curriculum designed to parallel college-level African American Studies courses. Students in AP African

American Studies courses use authentic and varied sources to explore diverse African American experiences. Students study topics that span early African kingdoms to the contemporary challenges and achievements of the African American communities in the U.S.

5545 AP Comparative Government and Politics follows the College Board's suggested curriculum designed to parallel college-level Comparative Government and Politics courses. This course offers students an understanding of the world's diverse political structures and practices. The course encompasses the study of both specific countries and general concepts used to interpret the key political relationships found in virtually all national policies. Course content generally includes sovereignty, authority, and power; political institutions; the relationships among citizens, society, and the state; political and economic change; and public policy.

5735 AP European History follows the College Board's suggested curriculum designed to parallel college-level European History courses. This course examines European civilization from the High Renaissance period to the recent past and also exposes students to the factual narrative. In addition, this course help students develop an understanding of some of the principal themes in modern European history and the abilities to analyze historical evidence and to express that understanding and analysis in writing.

5790 AP Human Geography follows the College Board's suggested curriculum designed to parallel college-level Human Geography courses. This course introduces students to the systematic study of patterns and processes that have shaped the ways in which humans understand, use, and alter the earth's surface. Students use spatial concepts and landscape analysis to examine human social organization and its environmental consequences and also learn about the methods and tools geographers use in their science and practice.

5525 AP Macroeconomics follows the College Board's suggested curriculum designed to parallel college-level macroeconomics. This course provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. They place particular emphasis on the study of national income and price determination and developing students' familiarity with economic performance measures, economic growth, and international economics.

5526 AP Microeconomics follows the College Board's suggested curriculum designed to parallel college-level microeconomics. This course provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers (both consumers and producers). They place primary emphasis on the nature and functions of product markets, while also including a study of factor markets and the role of government in the economy.

5546 AP United States Government and Politics follows the College Board's suggested curriculum designed to parallel college-level U.S. Government and Politics courses. This course provides students with an analytical perspective on government and politics in the United States, involving both the study of general concepts used to interpret U.S. politics and the analysis of specific case studies. The course generally covers the constitutional underpinnings of the U.S. government, political beliefs and behaviors, political parties and interest groups, the institutions and policy process of national government, and civil rights and liberties.

5415 AP United States History follows the College Board's suggested curriculum designed to parallel college-level U.S. History courses. This course provides students with the analytical skills and factual knowledge necessary to address critically problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

5736 AP World History follows the College Board's suggested curriculum designed to parallel college-level World History courses. This course examines world history from 8000 BCE to the present with the aim of helping students develop a greater understanding of the evolution of global processes and contracts and how different human societies have interacted. This course highlights the nature of changes in an international context and explore their causes and continuity.

5791 Asian History introduces students to the major events, cultures, and people that have shaped the history of Asia. Students explore ancient civilizations, powerful empires, and the rise of major religions such as Hinduism, Buddhism, Islam, and Confucianism. The class explores the impact of European colonization, independence movements, and the development of modern nations like China, India, Japan, and others.

5430 Black History explores the history of the African-American experience through an analysis of the unique historical, cultural, and social developments from the Middle Passage to the present day. The course addresses both historic and modern contributions of African Americans to American culture. Critical thinking, reading, writing, and oral presentation skills are emphasized.

5450 Civics explores the structure and functions of a government system, focusing on the rights and responsibilities of citizens within that system, including how to participate in the political process, understand the law, and critically analyze the relationship between individuals and their government; essentially, it teaches students what it means to be an active and informed citizen within their society.

5521 Economics focuses on fundamental economic ideas and concepts in a manner that presents complex systems with manageable and attainable learning objectives in order to

achieve a general understanding of how our American market system operates. Such knowledge assists students with the challenges of financial decisions they confront during their lifetime.

5788 European History examines the development of political, social, and economic movements in Europe over the past few centuries (from the Renaissance period, or later, to the contemporary period) and usually include such topics as the rise of the modern nation state, scientific and industrial revolutions, the age of exploration and nationalism, imperialism, and world war.

5750 History of Religion surveys and compares the various forms and values of several world religions, offering students a basic understanding of the world's diverse religious faiths and practices. Course topics typically include the belief systems of adherents; the relationships among humans, nature, ancestors, and the spiritual world; and the historical development of each religion.

5568 IB Economics courses prepare students to take the International Baccalaureate Economics exams. The courses provide students with the basic tools of economic reasoning and teach them to use those tools to explain or interpret economic problems. Course content includes international and development economics, microeconomics, and macroeconomics.

5566 IB Geography prepares students to take the International Baccalaureate Geography exams. This course integrates both physical and human geography and explore scientific and socio-economic methodologies and fieldwork. This course aims to help students understand the relationships within society, the relationships between society and the natural environment, and how those relationships change over time.

5567 IB Global Politics prepare students to take the International Baccalaureate Global Politics exams through the exploration of political concepts and development of an understanding of local, national, international, and global dimensions of political activity. Topics may include rights and justice; peace and conflict; development and sustainability; and contemporary global political challenges.

5547 IB History courses prepare students to take the International Baccalaureate History exams. In these courses, students study historical developments at national, regional, and international levels; critically reflect on their relationship to the present; and explore the nature of historical documentation and the methods used by historians. IB History courses may survey the history of Europe and the Islamic world or focus on 20th-century topics in an international context and may enable students to undertake individual study on a subject of interest in greater detail and depth.

5570 IB Social and Cultural Anthropology courses prepare students to take the International Baccalaureate Social and Cultural Anthropology exams. The courses aim to

promote students' awareness of underlying patterns and causes of social relationships and systems, preconceptions and assumptions within the social environment, and the use of ethnographic data in creating models, drawing inferences, and making comparisons.

5751 IB World Religion prepares students to take the International Baccalaureate exam. This course is designed to provide students with the means to study the beliefs and practices of nine main religions of the world. This course may include an in-depth study of several religions with an emphasis on thematic elements. An investigative study of the religious experience is also included.

5792 Local History invites students to delve into the rich and often overlooked history of their own community. Through archival research, oral histories, field visits, and analysis of primary sources, students uncover the stories, events, and people that have shaped the local landscape. Topics may include indigenous history, settlement patterns, economic development, social movements, architecture, and cultural traditions unique to the area. By the end of the course, students gain a deeper appreciation of how local history intersects with broader historical themes and how it continues to shape contemporary life.

5789 Military History examine the role of warfare from the beginnings of history through the present day, shaping human development, with a brief examination of the future of conflict. The course examines interwoven themes of technology, ideology, and authority, religion, geography, economics and resources as they affect and are affected by conflict in various epochs in history.

5615 Oklahoma History highlights state history and politics; however, all four strands of social studies (Civics, History, Geography, and Economics) are evident and continue to be essential components of student learning. The course highlights the history of the state, from pre-contact cultures and the presence of extensive Tribal societies, through the migration of many different peoples, and the development of the state's economic sectors. Equally important is the analysis of local, state, national, and Tribal governments, as well as the constitutional principles and civic responsibilities of state citizens.

5770 Political Science approaches the study of politics from a theoretical perspective, including an examination of the role of government and the nature of political behavior, political power, and political action.

5541 United States Government primarily focuses on an in-depth analysis of the Constitution of the United States, its founding documents, influences, and contemporary workings so that all students can become effective, well-informed citizens of the American constitutional republic. Students trace the roots of democratic concepts, the principles of representative government, and how citizens fulfill their civic responsibilities.

5410 United States History explores the growth of the nation as a world power and model for democratic principles from the post-Civil War era to modern times, with an emphasis

on all four strands of the social sciences: Civics, History, Geography, and Economics. The impact of major individuals, groups, movements, natural resources, and entrepreneurship on American institutions is examined through a chronological and integrated approach in order for students to best comprehend the complexity of historic events.

5787 World Cultures explores the diverse cultures around the globe, delving into aspects like geography, history, social structures, religions, art forms, languages, and current events across different regions, aiming to foster understanding and appreciation for global diversity while developing critical thinking skills to analyze and compare cultural differences.

5530 World Geography seeks to develop geographically informed young adults through a better understanding of the Earth's physical and human systems, including a focus on the interdependency of living things and the environment. This knowledge, in turn, provides a basis for future citizens to make wise decisions regarding the best interests of their communities and their planet.

5731 Modern World History utilizes the settings of the world's regions and major historic eras to sharpen their grasp of the four strands of social studies: Civics, History, Geography, and Economics. The Modern World History standards span from the Renaissance to the growth of modern nations, to twentieth-century world events. Analyzing the place and influence of the American republic throughout modern eras helps students better understand their role as citizens.

5505 20th Century Totalitarianism focuses on the analysis of totalitarian regimes of the 20th century, especially those based in Communist and Nazi ideology, including nineteenth-century developments of Marxism and the precursors to Nazi's antisemitic persecution of the Jewish people. Students will also explore the Bolshevik Revolution, its assault on private property and establishment of a dictatorial one-party state. From these studies, students will develop a deeper understanding of the importance of ethical behavior and personal dignity.

Eligible for Additional Unit (Not for Social Studies credit)

5641 Psychology introduces the analysis of human growth, learning, personality, and behavior from the perspective of major theories within psychology, including the biological, psychosocial, and cognitive perspectives. From a psychological point of view, students investigate the nature of being human as they build a comprehensive understanding of traditional psychological concepts and contemporary perspectives in the field. Course components include an introduction to the history, perspectives, and research of psychology; an understanding of topics such as the biological aspects of psychology, learning, and cognitive development; the stages of human development; aspects of personality and intelligence; the classification and treatment of psychological disorders; and psychological aspects of social interactions.

5645 AP Psychology follows the College Board's suggested curriculum designed to parallel a college-level introductory psychology course. Students are introduced to the systematic and scientific study of the behavior and mental processes of human beings and other animals, are exposed to each major subfield within psychology, and enable students to examine the methods and ethics that psychologists use in their science and practice.

5569 IB Psychology courses prepare students to take the International Baccalaureate Psychology exams. Course content includes biological, cognitive, and socio-cultural influences on human behavior, as well as experimental research methodology. Course content may also include the study of abnormal, developmental, health or sport psychology, the psychology of human relationships, and qualitative research in psychology.

5720 Sociology offers a comprehensive introduction to the study of sociology, the scientific exploration of human society, social behavior, and the structures that shape our lives. Students examine how individuals are influenced by social groups, cultural norms, institutions, and historical contexts. Key topics include socialization, culture, social stratification, race and ethnicity, gender, family, education, religion, deviance, and social change. Through readings, discussions, case studies, and research projects, students develop the tools to think critically about the world around them. The course encourages students to question assumptions, analyze patterns of inequality, and understand the role of social forces in shaping human experiences. Students apply sociological concepts to current events and everyday life.

Eligible for Elective Credit Only

5510 Current Issues & Events Students become media literate and explore identified world issues currently in the news. Using a variety of print and electronic resources, they develop an understanding of the complexities of these issues and of their historical, cultural, social and economic backgrounds. This course is topical and the issues studied vary each semester as the dynamics of relationships throughout the world change.

5550 International Problems examines today's international issues in historical perspective concentrating on the period from the onset of the Cold War to the present.

5630 Problems of Democracy introduces the structure and operation of the U.S. Government today, including how our government is affected by and interacts with individuals, states, and its other branches. The role of political parties, interest groups, and the media in these processes are considered. Students analyze America's role as a significant force in the world today, as we influence, and are influenced by, nations and peoples from around the globe. Students explore the concepts of federalism, separation of powers, comparative government, political processes, and global perspectives. Students

gain an understanding of the role civil rights and liberties, cultural pluralism, civic participation, and checks and balances play in our system of governance.

5755 Criminology explores the diverse and dynamic field relating to our criminal justice system. This course focuses on the history of American Law, the difference between Civil and Criminal Law, general features and categories of crimes, various criminal offenses and defenses, and the criminal justice process. The course also introduces students to the court procedures and the corrections system.

5760 Philosophy surveys the ideas and influences of great thinkers and includes reflections on timeless questions of existence, reality, knowledge, ethics, and metaphysics. Students begin their own critical analysis of personal philosophical beliefs. Students develop the academic skills of critical thinking, inquiry and research, and participation in a culturally diverse, democratic society in an interdependent world.

5571 IB Philosophy courses prepare students to take the International Baccalaureate Philosophy exams. These courses challenge students to reflect upon and question the bases of knowledge and experience, to develop critical and systematic thinking, to carefully analyze and formulate rational arguments, and to appreciate the diversity of perspectives within philosophical thinking while examining their own perspectives and applying this knowledge to real-world situations and issues. Students closely examine conceptual themes and philosophical texts, and also undertake philosophical analysis of a non-philosophical stimulus, such as a painting or poem.

5785 Street Law examines the definition of law and the elements of our legal system. Students study the nature and causes of crime, the laws prohibiting and defining criminal activity, the criminal and juvenile justice systems, and civil law involving negligence and damages. Studies conclude with a study of family law and individual rights and liberties.

5786 Consumer Law presents a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights).

SPEECH AND COMMUNICATIONS

Eligible for All Diploma Pathways

4015-4018 Debate I-IV offers students the opportunity to learn how to use oral skills in formal and informal situations. In these courses, students are able to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and

body. Often linked to an extracurricular program, these courses introduce students to the methods, aims, and styles used in a variety of events to include formal debate (Cross Examination, Lincoln-Douglas, Public Forum, and/or Big Questions). Participation in competition (through organizations such as OSSAA and/or NSDA) is encouraged, especially at levels III and IV.

Eligible for Speech or Fine Arts for College Prep Only

4011-4014 Public Speaking I-IV enables 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, development of self-confidence, and business etiquette. Suggested emphasis on informative speaking in Level I. Suggested emphasis on persuasive speaking in Level II. Suggested emphasis on impromptu speaking and speaking outside of the classroom/in the community in Level III and IV.

WORLD LANGUAGES OTHER THAN ENGLISH

Eligible for All Diploma Pathways

World Languages courses are intended to cultivate proficiency and intercultural competence in modern, classical, and heritage languages, including American Sign Language (ASL) and Native American Languages, to help develop globally collaborative students. The following course descriptions apply to any world language course. Specific course names and codes follow the generic descriptions, organized into type.

Level I Modern and Native American Languages are designed to introduce students to the target language and culture. They immerse students in comprehensible language, preparing students to communicate authentically in the language as they use a variety of memorized and practiced words, phrases, and simple sentences in rehearsed and spontaneous situations to interpret (reading, listening, viewing), exchange (speaking/signing and listening/viewing, reading, and writing), and present (speaking, writing) information, identifying the general topic and some basic information, on very familiar topics of immediate interest in highly predictable settings. **Classical Languages** focus more on reading and writing. **Heritage language** courses focus on language arts, integrating a cycle of reading, interpersonal engagement, and presenting through speaking and writing. **ASL** focuses on interpreting and presenting in signed language and engaging in signed interpersonal exchanges. Communication over form is emphasized. The

relationships among the products, practices, and perspectives of the target language-speaking cultures are introduced.

Level II Modern and Native American Languages build upon language development in Level I by continuing to immerse students in comprehensible language, furthering students' ability to communicate authentically in rehearsed and spontaneous situations in the target language through interpreting (reading, listening/viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, identifying the general topic and some basic information in texts, using a variety of simple sentences, on very familiar, routine, and concrete topics of immediate interest in highly predictable settings. **Classical Languages** focus more on reading and writing skills. **Heritage languages** focus on advancing language development using language arts strategies: reading, writing, discussion. **ASL** focuses on interpreting and presenting through signed language, engaging in signed interpersonal exchanges. Communication over form is emphasized. Students further explore the relationships among the products, practices, and perspectives of the target language-speaking cultures.

Level III Modern and Native American Languages support further development of students' ability to communicate in spontaneous spoken and written conversations, understand the main idea and some pieces of information in texts, create simple sentences to ask and answer a variety of questions, on very familiar, routine, and concrete topics of immediate interest in highly predictable settings with emerging accuracy by immersing them in scaffolded, more complex comprehensible language. Students interpret (reading, listening/viewing), exchange (speaking and listening; reading and writing), and present (speaking, writing) information, ideas, and opinions, and begin making connections to other subject areas and topics in predictable settings. **Classical Languages** continue to focus on advancing reading and writing skills. **ASL** focuses on furthering language development in the three modes of communication through signed language. Students develop abilities to make connections and comparisons to their native language and develop emerging globally competitive skills in communication and cultural competence in the target language

Level IV Modern and Native American Languages continue the development of language proficiency and cultural competency, expanding vocabulary and accuracy through being immersed in more advanced, yet comprehensible language. This course prepares students to communicate in the target language by interpreting (reading, listening/viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking and writing) information, concepts, ideas, and opinions, in rehearsed and spontaneous situations, understand the main idea and some pieces of information in speaking, listening, reading, and writing, including conversations, authentic readings, listening and viewing selections and written communication on familiar, concrete topics, including connections to other subject areas and life experiences. **Classical Languages** continue to focus on

advancing reading and writing skills. **ASL** furthers language development in the three modes of communication through signed language. Through experiencing target language cultures, students become able to make connections and comparisons to their native language and develop globally competitive skills in communication and cultural competence in the target language.

Modern

- **3185-3188 Chinese I-IV**
- **3111-3114 French I-IV**
- **3121-3124 German I-IV**
- **3192-3193 Italian I-II**
- **3175-3178 Japanese I-IV**
- **3151-3154 Russian I-IV**
- **3161-3164 Spanish I-IV**
- **3196-3197 Turkish I-II**
- **3260 Other World Language (Requires OSDE Approval)**

3190 AP Chinese Language and Culture Designed by the College Board to parallel fourth semester college-level courses in Mandarin Chinese language, AP Chinese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Chinese, both orally and in writing. These courses also help students understand and interpret written and spoken Chinese. In addition, students explore the culture of Chinese-speaking people in historical and contemporary contexts.

3115 AP French Language and Culture Designed by the College Board to parallel third-year college-level courses in French language, AP French Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in French, both orally and in writing. These courses also help students understand and interpret written and spoken French. In addition, students explore the culture of French-speaking people in historical and contemporary contexts.

3125 AP German Language and Culture Designed by the College Board to parallel third-year college-level courses in German language, AP German Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in German, both orally and in writing. These courses also help students understand and interpret written and spoken German. In addition, students explore the culture of German-speaking people in historical and contemporary contexts.

3191 AP Italian Language and Culture Designed by the College Board to parallel third-year college-level courses in Italian language, AP Italian Language and Culture courses

build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Italian, both orally and in writing. These courses also help students understand and interpret written and spoken Italian. In addition, students explore the culture of Italian-speaking people in historical and contemporary contexts.

3180 AP Japanese Language and Culture Designed by the College Board to parallel third-year college-level courses in Japanese language, AP Japanese Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Japanese, both orally and in writing. These courses also help students understand and interpret written and spoken Japanese. In addition, students explore the culture of Japanese-speaking people in historical and contemporary contexts.

3135 AP Latin Designed to parallel advanced college-level courses in Latin studies, AP Latin courses build upon and increase knowledge of Latin, enabling students to read the language with comprehension, to accurately translate Latin into English, and to appreciate the stylistic literary techniques used by the authors. AP Latin courses also include study of the political, social, and cultural background of the literary works and their authors, as well as their influence on later literature.

3165 AP Spanish Language and Culture Designed by the College Board to parallel third-year college-level courses in Spanish language, AP Spanish Language and Culture courses build upon prior knowledge and develop students' ability to express ideas, exchange opinions, and present information in Spanish, both orally and in writing. These courses also help students understand and interpret written and spoken Spanish. In addition, students explore the culture of Spanish-speaking people in historical and contemporary contexts.

3167 AP Spanish Literature and Culture Designed by the College Board to parallel college-level Introduction to Hispanic Literature courses, AP Spanish Literature and Culture courses cover representative works from the literatures of Spain and Spanish America, encompassing all genres. The courses build students' Spanish language proficiency, with special attention given to critical opinions and literary analyses in oral and written Spanish. Students are encouraged to relate the texts to their cultural contexts.

3189 IB Chinese

- **IB Language A: Literature—Chinese** courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Chinese languages in an academic context and is intended for

students with native or near-native fluency in the languages. These courses may be used for any Chinese language, including Mandarin and Cantonese.

- **IB Language B—Chinese Languages** courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language). These courses may be used for any Chinese language, including Mandarin and Cantonese.

3118 IB French

- **IB Language A: Literature—French** courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using French in an academic context and is intended for students with native or near-native fluency in the language.
- I**B Language B—French** courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually the students' "second" language).

3126 IB German

- **IB Language A: Literature—German** courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using German in an academic context and is intended for students with native or near-native fluency in the language.
- **IB Language B—German** courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language).

3181 IB Japanese

- **IB Language A: Literature—Japanese** courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly

competent in using Japanese in an academic context and is intended for students with native or near-native fluency in the language.

- **IB Language B—Japanese** courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually the students' "second" language).

3168 IB Spanish

- **IB Language A: Literature—Spanish** courses prepare students to take the International Baccalaureate Language A: Literature exams. Course content includes in-depth study of a range of literary texts in a number of literary forms and from different times and places, written analyses and critiques of this literature, and other oral and written assignments. The course is designed for students highly competent in using Spanish in an academic context and is intended for students with native or near-native fluency in the language.
- I**B Language B—Spanish** courses prepare students to take the International Baccalaureate Language B exams. These courses focus on improving students' accuracy and fluency in oral and written communication (usually in the students' "second" language).

Native American

- **3147-3150 Arapaho I-IV**
- **3228-3231 Cherokee I-IV**
- **3200-3203 Chickasaw I-IV**
- **3204-3207 Choctaw I-IV**
- **3232-3235 Comanche I-IV**
- **3127-3130 Kiowa I-IV**
- **3208-3211 Maskoke-Seminole I-IV**
- **3212-3215 Mvskoke I-IV**
- **3216-3219 Osage I-IV**
- **3250 Other Native American Language**
- **3220-3223 Pawnee I-IV**
- **3236-3237 Potawatomi I-II**
- **3224-3227 Sauk I-IV**

Classical

- **3194-3195 Greek I-II**
- **3131-3134 Latin I-IV**
- **3136 IB Latin** seeks to strike a balance between the study of the classic Latin language itself (structure, meaning, and formulation) and the civilization it reflects

(particularly its culture, philosophies, and institutions). Course content enables students to understand, translate, and appreciate a classical Latin text; relate literature to its historical or social background; recognize current relevance of ancient literature; and apply acquired knowledge to other subjects.

Heritage

- **3169-3170 Heritage Spanish I-II**

ASL

- **3171-3173, 3238 American Sign Language I-IV**

Eligible for Elective Credit Only

3174 American Sign Language **(Not for World Languages Credit)** Designed to introduce students to American Sign Language language and culture, these courses address a variety of topics about the language and/or culture, but do not prepare students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics.

3145 Native American Language **(Not for World Languages Credit)** Designed for courses that introduce students to a Native American language and/or culture by addressing a variety of topics, learning about the language and culture but not leading to the ability to communicate authentically in the language and culture.

ADVANCED PLACEMENT (AP) & INTERNATIONAL BACCALAUREATE (IB) ELECTIVES

Eligible for Elective Credit Only

5560 AP Seminar Designed by the College Board to parallel college-level courses in critical thinking and communications, AP Seminar courses provide students with the opportunity to explore complex real world issues through cross-curricular lenses. Course topics vary and may include local, civic, or global issues and interdisciplinary subject areas. Courses typically emphasize research, communication, and critical-thinking skills to explore the issues addressed. Students may also examine source materials such as articles and other texts; speeches and personal accounts; and relevant artistic and literary works.

5561 AP Research Designed by the College Board to parallel college-level courses in independent research, AP Research courses provide students with the opportunity to conduct an in-depth, mentored research project. Course topics include research

methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Courses culminate with an academic thesis paper and an oral defense of the research design, approach, and findings.

5565 IB Theory of Knowledge Obligatory for every International Baccalaureate Diploma degree candidate, IB Theory of Knowledge courses aim to stimulate critical self-reflection of students' knowledge and experiences. Course content generates questions regarding the bases of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, the arts, history, ethics, religious knowledge systems, and indigenous knowledge systems, with an awareness of moral, political, and aesthetic judgments and biases. Students learn to appreciate the strengths and limitations of various kinds of knowledge; to relate studied subjects to one another, general knowledge, and living experiences; to formulate rational arguments; and to evaluate the role of language in knowledge and as a way to convey knowledge.

COLLEGE SUBJECT CODES

Eligible for Additional Unit and/or Elective Credit

These codes should only be used when no corresponding high school code is available. Refer to the college course catalog for a description.

ADDITIONAL SUBJECT CODES

Eligible for Elective Credit Only

2725 Academic Achievement empowers students with the skills, strategies, and mindset necessary for academic success in high school and beyond. In this course, students develop effective study habits, time management techniques, and organizational skills. The course also emphasizes personal responsibility, motivation, and resilience, helping students become confident, self-directed learners.

2770 Academic Commitment to Education (ACE) encourages students to explore the value of education and the skills needed to thrive as lifelong learners. Through reflection, goal-setting, and active engagement, students will develop habits of responsibility, persistence, and self-discipline that support success in both school and life. Emphasis is placed on building strong study skills, time management, and personal accountability while examining the role of education in shaping future opportunities.

2735 Academic Team prepares students to compete in organized contests that test their academic knowledge and skills. This course may also include research, critical thinking,

and team work skills. Specific content depends upon the competition (examples include Academic Decathlon or Pentathlon, Model UN, subject-specific Olympiads, and Odyssey of the Mind).

2740 ACT, SAT, PSAT/NMQT Preparation helps prepare students for a particular national standardized test. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies.

2745 Character Education enables students to explore individual and societal actions and implications in order to help them develop personal values and make decisions about their lives. Examples of discussion topics include philosophy and religion, world resource allocation, genetic engineering, and environmental issues.

2750 Communication Skills focuses on the application of written and oral communication skills through a variety of formal and informal experiences. The course is performance-based and emphasizes effective interpersonal and team-building skills. How interpersonal communications are affected by stereotypes, nonverbal cues, vocabulary, and stylistic choices may also be studied.

2755 Critical Thinking Skills allow students to strengthen their analytical skills and deepen their ability to think clearly, logically, and independently. The course provides an introduction to argument analysis, logical reasoning, and problem-solving strategies, while also providing time for evidence evaluation, bias identification, and argument construction.

2710 Driver Education provides students with the knowledge and experience to become safe drivers on America's roadways. Topics 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. This course provides students with information necessary to become licensed drivers in the State of Oklahoma.

2790 Internship I (Juniors only) helps high school juniors enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses may cover such topics as career planning and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Employment may be a required component of this course.

2791 Internship II (Seniors only) helps high school seniors enter the workforce through career exploration, job search and application, and the development of positive work attitudes and work-related skills. These courses may cover such topics as career planning

and selection, money management, communication skills, interpersonal business relationships and behaviors, and personal responsibility. Employment may be a required component of this course.

2720 JROTC Junior Reserve Officer Training Corps introduces students to the purposes and objectives of the Reserve Officer Training Corps program, which seeks to educate high school students in citizenship, promote community service, and instill responsibility. As part of that introduction, course topics typically include a brief history of the military branches in the United States and the basics of military drill, ceremony, and rank structure.

2760 Leadership strengthens students' personal and group leadership skills. Typically intended for students involved in extracurricular activities (especially as officers of organizations or student governing bodies), these courses may cover such topics as public speaking, effective communication, human relations, parliamentary law and procedures, organization and management, and group dynamics.

2765 Life Skills courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decisionmaking, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

2715 Safety Education provides specialized instruction in first aid techniques, cardiopulmonary resuscitation (CPR), relief of obstructed airways, and general safety procedures and behaviors. These courses may include such topics as an overview of community agencies and hotlines providing emergency care and information and opportunities for first aid and CPR certification.

2775 Service Learning provides students with the opportunity to volunteer their time, energy, and talents to serve a community project or organization. These courses are usually (but not always) conducted with a seminar component, so that students can use their volunteer experiences to learn how to solve problems, make decisions, and communicate effectively.

5511 General Religious Studies provides instruction in the history, tenets, and organization of a religion; development of personal faith and conviction; and exposure to the ways in which daily life may reflect personal religious beliefs. Study may also include various components particular to a specific religion, such as religious sacraments and symbols, food laws, the authority and structure of the church, the church calendar, and so on.

5513 Religion & Theology enables students to explore the theological beliefs from a particular religion or set of religions. Topics may include core beliefs, practices, and historical development. The course may also examine how religion and certain theological beliefs have impacted individuals and society.

2724 Law Enforcement provides an overview of the history, organization, and functions of local, state, and federal law enforcement and foundational skills necessary to fulfill law enforcement duties. Course topics vary and may include, but are not limited to, the role of constitutional law, the United States legal system, criminal law, law enforcement terminology, physical fitness, self-defense, and skill necessary to fulfill law enforcement duties. Advanced courses may explore specific types of crimes, ethical and legal responsibilities, crime scene investigations, emergency medical procedures, use of force, and prisoner transport.