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# COURSE CATALOG

ALL COURSES ARE BASED ON INDIANA'S ACADEMIC STANDARDS

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### DRAWING 1, DRAWING 2, DRAWING 3, DRAWING 4

1 semester | 1 credit

Recommended Grade Level(s): 9,10,11,12

Students in Drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

### PAINTING 1, PAINTING 2, PAINTING 3, PAINTING 4

1 semester | 1 credit

Recommended Grade Level(s): 10, 11, 12 Prerequisite: Drawing 1

Students taking Painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creating of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

### PRINCIPLES OF DIGITAL DESIGN

2 semesters | 2 credits

Recommended Grade Level(s): 9, 10, 11, 12

Principles of Digital Design introduces students to fundamental design theory. Investigations into design theory and color dynamics will provide experiences in applying design theory, ideas and creative problem solving, critical peer evaluation, and presentation skills. Students will have the opportunity to apply the design theory through an understanding of basic photographic theory and technique. Topics will include image capture, processing, various output methods, and light.

### ART

### **CERAMICS**

1 semester | 1 credit Recommended Grade Level(s): 10,11,12 (This course can be paired with Printmaking)

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries and studios, and identify art-related careers.

### **PRINTMAKING**

1 semester | 1 credit Recommended Grade Level(s): 10,11,12 (This course can be paired with Ceramics)

Printmaking is a course based on the Indiana Academic Standards for Visual Art. Students in printmaking engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students apply media, techniques, and processes with sufficient skill to communicate intended meaning. They create abstract and realistic prints using a variety of materials such as linocut, woodcut, stencil, silkscreen, photo silkscreen, and mono-print. They utilize processes such as etching, relief, and lithography to explore a variety of ideas and problems. Students reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

#### **AP DRAWING**

2 semesters | 2 credits

Recommended Grade Level(s): 11,12

Prerequisite: Drawing 1 and Drawing 2, two additional semesters of art courses

This course is designed to address a very broad interpretation of drawing issues and media. Light and shade, line quality, rendering of form, composition, surface manipulation, and illusion of depth are drawing issues that can be addressed through a variety of means, which could include painting, printmaking, mixed media, etc. Abstract, observational, and inventive works may demonstrate drawing competence. Any work that makes use of (appropriates) other artists' works (including photographs) and/or published images must show substantial and significant development beyond duplication. This is demonstrated through manipulation of the formal qualities, design, and/or concept of the source. The College Board exam is taken. College credit is issued based on individual college requirements. Prerequisite: Drawing 1 and either Drawing 2 or Painting 1.

### **AP STUDIO ART (2D DESIGN)**

2 semesters | 2 credits

Recommended Grade Level(s): 11,12

Prerequisite: Drawing 1 and Drawing 2, Principles of Digital Design

This portfolio is intended to address two-dimensional (2-D) design issues. Design involves purposeful decision making about how to use the elements and principles of art in an integrative way. The principles of design articulated through the visual elements help guide artists in making decisions about how to organize the elements on a picture plane in order to communicate content. For this portfolio, students are asked to demonstrate proficiency in 2-D design

through any two-dimensional medium or process, including, but not limited to, graphic design, digital imaging, photography, collage, fabric design, weaving, illustration, painting, and printmaking. Any work that makes use of (appropriates) other artists' works (including photographs) and/or published images must show substantial and significant development beyond duplication. The College Board exam is taken. College credit is issued based on individual college requirements.

# BUSINESS

### **BUSINESS INNOVATIONS (PRINCIPLES OF ENTREPRENEURSHIP)**

1 semester | 1 credit

Recommended Grade Level(s): 11, 12

(This course is offered first semester and can be paired with Small Business Operation.)

Business Innovations (Principles of Entrepreneurship) focuses on students learning about their own strengths, character and skills and how their unique abilities can apply to entrepreneurship, as well as how an entrepreneurial mindset can serve them regardless of their career path. Students will learn about the local, regional and state resources and will begin to understand and apply the entrepreneurial process. The course helps students to identify and evaluate business ideas while learning the steps and competencies required to launch a successful new venture. The course helps students apply what they have learned from the content when they write a Personal Vision Statement, a Business Concept Statement, and an Elevator Pitch.

#### **SMALL BUSINESS OPERATION**

1 semester | 1 credit

Recommended Grade level(s): 11, 12

(This course is offered second semester and can be paired with Business Innovations (Principles of Entrepreneurship.)

Small Business Operations will help students identify and evaluate the various sources available for funding a new enterprise; demonstrate an understanding of financial terminology; read, prepare, and analyze basic financial statements; estimating capital requirements and risk, exit strategies; and prepare a budget for their business, including taxes and personnel costs. In addition, the student should be able to explain the importance of working capital and cash management. The student should also be able to identify financing needs, and prepare sales forecasts.

# COMPUTER SCIENCE

### PRINCIPLES OF COMPUTING

2 Semesters | 2 credits Recommended Grade Level(s): 9, 10, 11

Principles of Computing provides students the opportunity to explore how computers can be used in a wide variety of settings. The course will begin by exploring trends of computing and the necessary skills to implement information systems. Topics include operating systems, database technology, cybersecurity, cloud implementations and other concepts associated with applying the principles of good information management to the organization. Students will also have the opportunity to utilize basic programming skills to develop scripts designed to solve problems. Students will learn about algorithms, logic development and flowcharting.

### EMPLOYABILITY

### PREPARING FOR COLLEGE AND CAREERS

1 semester | 1 credit

Recommended Grade Level: 10

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed including twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals, examining multiple life roles and responsibilities as individuals and family members, planning and building employability skills, transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real world experiences, is recommended.

### **WORK-BASED LEARNING CAPSTONE**

1 semester | 1 credits Recommended Grade Level: 12

Work-Based Learning Capstone is a stand-alone course that prepares students for college and/or a career. Work-Based Learning Capstone experiences occur in workplaces and involve an employer assigning a student meaningful job tasks to develop his or her skills, knowledge, and readiness for work. A clear partnership agreement and training plan is developed by the student, teacher, and workplace mentor/supervisor to guide the student's work-based experiences and assist in evaluating achievement and performance. Related Instruction shall be organized and planned around the activities associated with the student's individual job and career objectives in a pathway and shall be taught either on-the-job or in a classroom setting during the same semester the student is participating in the work-based experience. For a student to become employable, the related instruction should cover: (a) employability skills, and (b) specific occupational competencies.

### **CULINARY ARTS AND HOSPITALITY**

2 semesters | 2 credits Recommended Grade Level(s): 11, 12

Introduction to Culinary Arts and Hospitality is recommended for all students regardless of their career cluster or pathway, in order to build basic culinary arts knowledge and skills. It is especially appropriate for students with an interest in careers related to Hospitality, Tourism, and Culinary Arts. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended. Topics include basic culinary skills in the foodservice industry, safety and sanitation, nutrition, customer relations and career investigation. Students are able to explore this industry and examine their own career goals in light of their findings. Laboratory experiences that emphasize industry practices and develop basic skills are required components of this course.

# **ENGLISH 9: LITERARY GENRES AND THEMES ADVANCED GRAMMAR AND COMPOSITION 1**

2 semesters | 2 credits

Recommended Grade Level: 9

English 9 is a study of language, literature, composition, and oral communication with a focus on exploring a wide variety of genres and their elements. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 9 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.

#### **ENGLISH 10: WORLD LITERATURE**

2 semesters | 2 credits

Recommended Grade Level: 10

English 10 is a study of language, literature, composition, and oral communication with a focus on exploring universal themes across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 10 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate on-line information.

#### AMERICAN LITERATURE

2 semester | 2 credits | Dual Credit Available Recommended Grade Level: 11

American Literature, a course based on the Indiana Academic Standards for English/Language Arts, is a study of representative works and authors of the United States. Students read, analyze, evaluate, critique, and actively respond to a wide variety of literary genres that reflect American culture, including quality works of various ethnic and cultural minorities. Students compare reading and media from literature, history, and other subjects by demonstrating how the ideas and concepts presented in the works are interconnected, distinctly American, and important to an understanding of the development of the current culture.

### **ENGLISH LITERATURE**

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level: 12

English Literature, a course based on the

Indiana Standards for English/Language Arts, is a study of representative works of the English-speaking authors associated with the Commonwealth of Nations, including England, Scotland, Ireland, Wales, Canada, Newfoundland, Australia, New Zealand, India, South Africa, Kenya, Botswana, and others. Students examine a wide variety of literary genres that reflect the English-speaking peoples from the Anglo-Saxon Period to the present. Students analyze how the ideas and concepts presented in the works are both interconnected and distinctly reflective of the cultures and the countries in which they were written.

### ENGLISH

#### AP ENGLISH LANGUAGE AND COMPOSITION

2 semesters | 2 credits

Recommended Grade Level: 11

Recommended Prerequisites: 92% average in prior English classes; teacher recommendation

English Language and Composition, Advanced Placement, is an advanced placement course based on content established by the College Board. An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical contexts, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writers purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. The College Board exam is taken. College credit is issued based on individual college requirements.

### AP ENGLISH LITERATURE AND COMPOSITION

2 semesters | 2 credits

Recommended Grade Level: 12

Recommended Prerequisites: 92% in prior English classes or 3 or higher on AP English Language and Composition exam; Teacher Recommendation

English Literature and Composition, Advanced Placement, is an advanced placement course based on content established by the College Board. An AP English course in Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style, and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. The College Board exam is taken. College credit is issued based on individual college requirements.

### ADVANCED ENGLISH, INTRODUCTION TO INTERPERSONAL COMMUNICATION

1 semester | 1 credit | Dual Credit Available Recommended Grade Level(s): 11, 12

Advanced English is an advanced course based on the Indiana Academic Standards for English/Language Arts in grades 11 and 12. This course title covers any English language and composition advanced course offered for credit by an accredited post-secondary institution through an adjunct agreement with a secondary school.

### **ADVANCED SPEECH AND COMMUNICATION**

1 semester/1 credit/Dual Credit Available Recommended Grade Level(s): 11, 12

Advanced Speech and Communication, a course based on the Indiana Academic Standards for English/ Language Arts and emphasizing the High School Speech and Communication Standards, is the study and application of skills in listening, oral interpretation, media communications, research methods, and oral debate. Students deliver different types of oral and multimedia presentations, including speeches to inform, to motivate, to entertain, and to persuade through the use of impromptu, extemporaneous, memorized, or manuscript delivery.

### FINE ARTS

### ADVANCED CHORUS (ACADEMY SINGERS)

2 semesters | 1 credit

Recommended Grade Level(s): 9, 10, 11, 12

Prerequisite: By Audition Only

Students taking this course develop musicianship and specific performance skills through ensemble singing. This class includes the study of repertoire in the diverse styles of choral literature appropriate for the range of students. This course provides opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Rehearsal time is scheduled three days a week before school. The chorus performs at various school events including concerts, Masses, and fundraisers as well as other public performances for the larger community.

#### APPLIED MUSIC

2 semesters | 2 credits

Recommended Grade Level(s): 9, 10, 11, 12

Applied Music is based on the Indiana Academic Standards for High School Choral or Instrumental Music. Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop and refine performance skills. A variety of music methods and repertoire is utilized to refine students' abilities in performing, creating, and responding to music.

### **Applied Music Instruments**

Tenor Saxophone Alto Saxophone Harp

Keyboard Trombone Bass Bass Clarinet Oboe Trumpet Cello Organ Tuba Percussion Viola Flute French Horn Piano Violin

Steel Drums Voice Lessons Guitar

#### STUDENT MEDIA

2 semesters | 2 credits

Recommended Grade Level(s): 11,12

Student Media, a course based on the High School Journalism Standards and the Student Media Standards, is the continuation of the study of Journalism. Students demonstrate their ability to do journalistic writing and design for high school media, including school newspapers, yearbooks, and a variety of other media formats. Students follow the ethical principles and legal boundaries that guide scholastic journalism. Students express themselves publicly with meaning and clarity for the purpose of informing, entertaining, or persuading. Students work on high school media staffs so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

# **MATH**

Students Enrolling in Geometry as Freshmen: Your Algebra I grade (semester 1 and semester 2) and credits from your 8th grade year will be transferred to Oldenburg Academy. GPA points will not be calculated into your cumulative grade point average. The letter grades awarded from your sending school will be the grades reported on your academic record.

#### ALGEBRA I

2 semesters | 2 credits Recommended Grade Level: 9

Algebra I formalizes and extends the mathematics students learned in the middle grades. Five critical areas comprise Algebra I: Relations and Functions; Linear Equations and Inequalities; Quadratic and Nonlinear Equations; Systems of Equations and Inequalities; and Polynomial Expressions. The critical areas depend and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standard, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

#### ALGEBRA II\*

2 semesters | 2 credits

Recommended Grade Level(s): 10,11

Prerequisite: Algebra I

Algebra II builds on work with linear, quadratic, and exponential functions and allows for students to extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

### **GEOMETRY\***

2 semesters | 2 credits

Recommended Grade Level(s): 9,10

Prerequisite: Algebra 1

Geometry formalizes and extends students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Six critical areas comprise the Geometry course: Congruency and Similarity; Measurement; Analytic Geometry; Circle; and Polyhedra.

\*Students who earn an A for the first semestert in Algebra 1 may elect, with teacher recommendation, to enroll in geometry and Algebra 2 during the same school year.

#### FINITE MATHEMATICS

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level(s): 11,12 Prerequisites: Algebra I, Geometry, Algebra II

Finite Mathematics is an umbrella of mathematical topics. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Topics include: (1) counting techniques, (2) matrices, (3) recursion, (4) graph theory, (5) social choice, (6) linear programming, and (7) game theory. Technology, such as computers and graphing calculators, will be used frequently.

# CALCULUS, DUAL CREDIT AVAILABLE CALCULUS AB, ADVANCED PLACEMENT

2 semesters | 2 credits

Recommended Grade Level: 12

Prerequisites: B in Pre-Calculus, teacher recommendation

Calculus AB, Advanced Placement is a course based on content established by the College Board. Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi--representational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. The connections among these representations also are important. Topics include: (1) functions, graphs, and limits; (2) derivatives; and (3) integrals. Students have the option to take the College Board AP Calculus exam and may earn college credit with a score of 3 to 5. Graphing calculators are required for this course and are permitted for usage on the AP Calculus examination. The College Board exam is taken. College credit is issued based on individual college requirements.

### AP PRECALCULUS

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12

AP Precalculus is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. This course covers topics including modeling real-world data, exploring multiple representations, and mastering symbolic manipulation. The course teaches students to approach precalculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

### PROBABILITY AND STATISTICS

1 semester | 1 credit

Recommended Grade Level(s): 11, 12

Prerequisites: Algebra I, Geometry, Algebra II

(This course is offered first semester and is paired with Quantitative Reasoning.)

Probability and Statistics includes the concepts and skills needed to apply statistical techniques in the decision-making process. Probability and Statistics are made up of three strands: Data Analysis; Experimental Design; and Probability. Practical examples based on real experimental data are used throughout. Students plan and conduct experiments or surveys and analyze the resulting data. The use of graphing technology and computer programs is encouraged. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.



### **QUANTITATIVE REASONING**

1 semester | 1 credit

Recommended Grade level(s): 11, 12

Prerequisites: Algebra I, Geometry, Algebra II

(This course is offered second semester and is paired with Probability and Statistics.)

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real-world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, 125 Indiana Department of Education High School Course Titles and Descriptions: 2024-2025 should be used frequently. This higher-level mathematics course is designed to align with college-level quantitative reasoning courses for dual secondary/college credit. The eight Process Standards for Mathematics apply throughout the course. Together with the content standards, the Process Standards prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

# PHYSICAL EDUCATION

### PHYSICAL EDUCATION 1

1 semester | 1 credit Recommended Grade Level: 9

This course focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provide students with opportunities to actively participate in physical fitness achievement, strength training, and team sports. Ongoing assessment includes both written and performance-based skill evaluation, such as skills performance exams, weekly fitness testing, and periodic strength, endurance, and cardiovascular evaluations.

### PHYSICAL EDUCATION 2

1 semester | 1 credit Recommended: Grade Level: 9

This course focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provide students with opportunities to actively participate in team, individual, and dual sports with a continued emphasis on physical fitness, strength training, endurance, and cardiovascular development. Students learn the basic skills and rules of sports and the importance and enjoyment of leisure activities. Ongoing assessment includes both written and performance-based skill evaluation, such as skills performance exams, weekly fitness testing, and periodic strength, endurance, and cardiovascular evaluations.

#### **ELECTIVE PHYSICAL EDUCATION**

1 or 2 semesters | 1 credit per semester Recommended Grade Level(s): 11, 12 (This course may be taken more than once)

Prerequisite: Physical Education 1 and Physical Education 2

This course identifies what a student should know and be able to do as a result of a quality physical education program. The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sport and recreational activities.

The class itself will use a rigorous physical fitness model to improve endurance, strength, balance, coordination, and sport specific skills. Typically, students will lift weights on Monday, Tuesday, Thursday, and Friday using the theory of periodization as well as short and long-term training plans as a guide. On Wednesdays, the class will focus on plyometrics, balance, speed development, flexibility, and endurance activities. At various intervals, the class will switch to lifting twice per week and athletic development drills three times per week. The course will be a challenging and rigorous course for students serious about fitness. Ongoing assessment includes performance-based skill evaluation.

### PHYSICAL EDUCATION

#### **HEALTH AND WELLNESS EDUCATION**

1 semester | 1 credit Recommended Grade Level: 10

This course provides the basis to help students adopt and maintain healthy behaviors. Health education should contribute directly to a student's ability to successfully practice behaviors that protect and promote health and avoid or reduce health risks. Through a variety of instructional strategies, students practice the development of functional health information; determine personal values that support healthy behaviors; develop group norms that value a healthy lifestyle; develop the essential skills necessary to adopt, practice, and maintain health-enhancing behaviors. This course includes the application of priority areas in a planned, sequential, comprehensive health education curriculum. Priority areas include: promoting personal health and wellness, physical activity, healthy eating, promoting safety and preventing unintentional injury and violence, promoting mental and emotional health, a tobacco-free lifestyle and an alcohol-and other drug-free lifestyle and promoting human development and family health. This course provides students with the knowledge and skills of health and wellness core concepts, analyzing influences, accessing information, interpersonal communication, decision-making and goal-setting skills, health-enhancing behaviors, and health and wellness advocacy skills.

#### **NUTRITION AND WELLNESS**

2 semesters | 2 credits Recommended Grade Level(s): 11, 12

Nutrition and Wellness is an introductory course valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers related to nutrition, food, and wellness. This is a nutrition class that introduces students to only the basics of food preparation so they can become self-sufficient in accessing healthy and nutritious foods. Major course topics include nutrition principles and applications; influences on nutrition and wellness; food preparation, safety, and sanitation; and science, technology, and careers in nutrition and wellness. A project-based approach that utilizes higher order thinking, communication, leadership, management processes, and fundamentals to college and career success is recommended in order to integrate these topics into the study of nutrition, food, and wellness. Food preparation experiences are a required component. Direct, concrete mathematics and language arts proficiencies will be applied. This course is the first in a sequence of courses that provide a foundation for continuing and postsecondary education in all career areas related to nutrition, food, and wellness.

# SCIENCE

Students Enrolling in Biology II as Freshmen: Your Biology I grade (semester 1 and semester 2) and credits from your 8th grade year will be transferred to Oldenburg Academy. GPA points will not be calculated into your cumulative grade point average. The letter grades awarded from your sending school will be the grades reported on your academic record.

### ANATOMY AND PHYSIOLOGY

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level(s): 11,12 Prerequisite: Biology I

Anatomy and Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. It introduces students to the cell, which is the basic structural and functional united of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the health body in order to apply this knowledge in all health related fields. Dissection is both appropriate and necessary. Students should be able to use basic laboratory equipment such as microscopes, balances, and pipettes.

#### **BIOLOGY I**

2 semesters | 2 credits Recommended Grade Level: 9

Biology I is a course based on the following core topics: cellular chemistry, structure and reproduction; matter cycles and energy transfer; interdependence of organisms; molecular basis of heredity; genetics and evolution. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

### **BIOLOGY II**

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level(s): 10, 11, 12 Prerequisite: B average in Biology I

Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, function, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences.

### SCIENCE

#### AP BIOLOGY

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12

Prerequisites: Biology 1, Chemistry 1, minimum GPA 3.0, Teacher Recommendation

Biology, Advanced Placement, is a course based on the content established by the College Board. The major themes of the course include: the process of evolution drives the diversity and unity of life; biological systems utilize free energy and molecular building blocks to grow; to reproduce and to maintain dynamic homeostasis; living systems store, retrieve, transmit and respond to information essential to life processes; biological systems interact, and these systems and their interactions possess complex properties. Summer reading and writing may be required. This course requires 12 laboratory exercises that are part of the AP Biology exam. The College Board exam is taken. College

credit is issued based on individual college requirements.

### **CHEMISTRY I**

2 semesters | 2 credits

Recommended Grade Level: 10

Prerequisites: Algebra 1 and Biology 1

Chemistry I is a course based on the following topics: properties and states of matter; atomic structure; bonding; chemical reactions; solution chemistry; behavior of gases, and organic chemistry. Students enrolled in Chemistry I compare, contrast, and synthesize useful models of the structure and properties of matter and the mechanisms of its interactions. Instruction should focus on developing student understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

### PLANT AND SOIL SCIENCE

2 semesters | 2 credits

Recommended Grade Level(s): 10, 11, 12

Plant and Soil Science a two semester course that provides students with opportunities to participate in a variety of activities including laboratory and field work. Coursework includes hands-on learning activities that encourage students to investigate areas of plant and soil science. Students are introduced to the following areas of plant and soil science: plant growth, reproduction and propagation, photosynthesis and respiration, diseases and pests of plants and their management, biotechnology, the basic components and types of soil, soil tillage, and conservation.



### **AP CHEMISTRY**

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12

Prerequisites: Chemistry 1, minimum GPA 3.0, Teacher Recommendation

Chemistry, Advanced Placement is a course based on the content established by the College Board. The content includes: (1) structure of matter: atomic theory and structure, chemical bonding, molecular models, nuclear chemistry; (2) states of matter: gases, liquids and solids, solutions; and (3) reactions: reaction types, stoichiometry, equilibrium, kinetics and thermodynamics. The College Board exam is taken. College credit is issued based on individual college requirements.

### **MEDICAL TERMINOLOGY**

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level(s): 11, 12

Medical Terminology prepares students with language skills necessary for effective, independent use of health and medical reference materials. It includes the study of health and medical abbreviations, symbols, and Greek and Latin word part meanings, all taught within the context of body systems. This 299 Indiana Department of Education 2021-2022 High School Course Titles and Descriptions course builds skills in pronouncing, spelling and defining new words encountered in verbal and written information in the healthcare industry. Students have the opportunity to acquire essential skills for accurate and logical communication, and interpretation of medical records. Emphasis is on forming a foundation of medical vocabulary including:appropriate and accurate meaning, spelling, and pronunciation of medical terms and abbreviations, signs and symbols.

### PHYSICS I HONORS

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12

Prerequisites: Biology I, Chemistry I, Algebra II, minimum GPA 3.0

Physics I is a course focused on the following core topics: motion and forces; energy and momentum; temperature and thermal energy transfer; electricity and magnetism; vibrations and waves; light and optics. Instruction should focus on developing students understanding that scientific knowledge is gained from observation of natural phenomena and experimentation by designing and conducting investigations guided by theory and by evaluating and communicating the results of those investigations according to accepted procedures.

### AP ENVIRONMENTAL SCIENCE

2 semesters | 2 credits

Recommended Grade Level(s): 10, 11, 12

Prerequisites: Biology I

AP Environmental Science is a course based on content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. Students enrolled in AP Environmental Science investigate the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

# SOCIAL STUDIES

#### **WORLD HISTORY AND CIVILIZATION**

2 semesters | 2 credits

Recommended Grade Level(s): 9, 10, 11, 12

World History emphasizes events and developments in the past that greatly affected large numbers of people across broad areas and that significantly influenced peoples and places in subsequent eras. Key events related to people and places as well as transcultural interaction and exchanges are examined in this course. Students are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. They will examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present. Students are also expected to practice skills and process of historical thinking and research and apply content knowledge to the practice of thinking and inquiry skills and processes. There will be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

### **UNITED STATES HISTORY**

2 semesters | 2 credits Recommended Grade Level: 11

United States History builds upon concepts developed in previous studies of U.S. History. Students are expected to identify and review significant events, persons, and movements in the early development of the nation. The course then gives major emphasis to the interaction of key events, people, and political, economic, social, and cultural influences in national developments from the late nineteenth century through the present. Students are expected to trace and analyze chronological periods and examine the significant themes and concepts in U.S. History. They will develop historical thinking and research skills and use primary and secondary sources to explore topical issues and to understand the cause for changes in the nation over time.

#### AP UNITED STATES HISTORY

2 semesters | 2 credits

Recommended Grade Level: 11

Prerequisites: 90% or higher in world history, minimum GPA 3.0

U. S. History, Advanced Placement, is a course based on the content established by the College Board. The course has a chronological frame from 1492 to the present and focuses on multiple causation and change in U.S. history over time. A variety of historical themes are examined in order to place the history of the United States into larger analytical contexts. Students are expected to analyze and interpret primary sources and develop awareness of multiple interpretations of historical issues in secondary sources. Historical events and issues in U.S. history are to be examined from multiple perspectives. The College Board exam is taken. College credit is issued based on individual college requirements.

# SOCIAL STUDIES

#### UNITED STATES GOVERNMENT

1 semester | 1 credit

Recommended Grade Level: 12

U.S. Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States. Responsible and effective participation of citizens is stressed. Students will understand the nature of citizenship, politics, and governments and understand the rights and responsibilities of citizens and how these are part of local, state, and national government. Students will examine how the United States Constitution protects rights and provides the structure and functions of various levels of government. How the United States interacts with other nations and the government's role in world affairs will be examined. Using primary and secondary resources, students will articulate, evaluate, and defend positions on political issues. As a result, they will be able to explain the role of individuals and groups in government, politic, and civic activities and the need for civic and political engagement of citizens in the United States.

### AP PSYCHOLOGY

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12 Prerequisites: Minimum GPA 3.0

AP Psychology is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Topics include: History and Approaches; Research Methods; Biological Bases of Behavior; Sensation and Perception; States of Consciousness; Learning; Cognition; Motivation and Emotion; Developmental Psychology; Personality; Testing and Individual Differences; Abnormal Behavior; Treatment of Abnormal Behavior; and Social Psychology.

#### **ECONOMICS**

1 Semester | 1 Credit

Recommended Grade Level: 12

Economics examines the allocation of resources and their uses for satisfying human needs and wants. The course analyzes economic reasoning used by consumers, producers, savers, investors, workers, voters, and government in making decisions. Key elements of the course include study of scarcity and economic reasoning, supply and demand, market structures, role of government, national income determination, the role of financial institutions, economic stabilization, and trade. Students will explain that because resources are limited, people must make choices and understand the role that supply, demand, prices, and profits play in a market economy. The functions of government in a market economy and market structures will be examined. Students will understand economic performance, money, stabilization policies, and trade of the United States. The behavior of people, societies and institutions

### SOCIAL STUDIES

#### **AP HUMAN GEOGRAPHY**

2 semesters | 2 credits Recommended Grade Level(s): 10, 11, 12

AP Human Geography is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. The AP Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine socio-economic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. The curriculum reflects the goals of the National Geography Standards (2012). Topics include Geography-Nature and Perspectives, Population and Migration, Cultural Patterns and Processes, Political Organization of Space, Agriculture, Food Production, and Rural Land Use, Industrialization and Economic Development, and Cities and Urban Land Use.

# THEOLOGY

#### **CHRISTOLOGY**

2 semesters | 2 credits Recommended Grade Level: 9

The purpose of this year long course is to give students a deep understanding of Salvation History made evident to us through the fulfillment of the Old Testament through Jesus the Christ in the New Testament. Students will learn about the Bible, both New and Old Testament, while understanding the importance of Biblical Criticism. Students will spend time exploring the times in which Jesus lived and the circumstances that influenced his life. The Incarnation and Paschal Mysteries will be explored to help us understand the influence of Jesus in our own lives.

### CHURCH HISTORY- MOMENTS IN THE LIFE OF THE CHURCH

2 semesters | 2 credits

Recommended Grade Level: 10

This course examines the history of Christianity from its beginnings at Pentecost to the contemporary situation of our present today. Students will study the early, medieval, and modern periods of Church history. The course will emphasize significant movements, central figures, crucial events, major controversies, and important ecumenical councils that have shaped the contours of Christian history. Special attention will be paid to the development of sacraments and the evolution of Church teachings over the course. Likewise, this course will foster a deeper understanding of the Church and appreciate for relevance of Christianity's past to its present.

### **WORLD RELIGIONS**

1 semester | 1 credit

Recommended Grade Level: 12

(This course is offered first semester and is offered with Social Justice and Faith in Action)

The purpose of this course is to help students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of god's Revelation, the course is intended to help students recognize the ways in which important spiritual truths can be found in non-Catholic christian churches and ecclesial communities as well as in non-christian religions. It is also intended to help students recognize the ways in which other systems of belief and practices are similar to and differ from the Catholic faith. World religions that will be covered include but not limited to. Judaism, Christianity, Buddhism, and Islam.

### **THEOLOGY**

#### FRANCISCAN HUMANISM

2 semesters | 2 credits Recommended Grade Level: 11

After two years of study focusing on the origins and foundations of Christianity, the third year of study is spent developing a Franciscan humanist worldview in the light of faith and reason. This course will introduce students to a theological approach to understanding God through a study of the relationship between God and humanity. This portion of the course will give special attention to matters such as our creation in the image of God ("imago Dei), the gift of free will, the presence of evil in the world, the understanding of Christ as our model and moral norm, the nature of salvation through the Paschal Mystery, and the overwhelming presence of God's grace in the Sacraments. This course will also encourage students as faithful keepers of a Franciscan tradition, both intellectually and spiritually. This section of the course will hold up Saints Francis and Claire as models of a genuine Christian spirituality. Students will examine the life, times, writings, and ministry of St. Francis and central figures in the Franciscan spiritual and intellectual tradition. Likewise, students will also reflect on the mission and ministry of a Franciscan charism. Derived from St. Francis's understanding of humanity and the human-God relationship, this course will provide students with a uniquely Franciscan approach to better understanding their faith in Christ Jesus.

### CATHOLIC SOCIAL TEACHING/FAITH IN ACTION

1 semester | 1 credit Recommended Grade Level: 12

(This course is offered first semester and is offered with World Religions)

The purpose of this course is to introduce students to the moral concepts and precepts that are to govern the lives of Christ's disciples- members of today's Church. Students will delve deeply into the Church's doctrine on Social Teaching and its principles of Solidarity, Subsidiarity, Stewardship, Dignity of the Human Person, Respect for Life, the Common Good, the Preferential Option for the Poor, Community Participation, and Rights and Responsibilities. In this course students are to learn how Christ's concern for others, especially the poor, needy, oppressed, and forgotten, is present in the mission of the Church today. Students are called to recognize that due to social sin, as important part of our faith is action in both our local and global world. Students will spend time looking at current examples of the way social sin manifests itself in our world today, and how we are to respond. Students will also put this call to work for justice into action through their involvement in a required service project.

### WORLD LANGUAGES

Students Enrolling in Spanish II as Freshmen: Your Spanish I grade (semester 1 and semester 2) and credits from your 8th grade year will be transferred to Oldenburg Academy. GPA points will not be calculated into your cumulative grade point average. The letter grades awarded from your sending school will be the grades reported on your academic record.

### **GERMAN I**

2 semesters | 2 credits Recommended Grade Level(s): 9, 10, 11, 12

This course introduces students to effective strategies for beginning German language learning, and to various aspects of German-speaking culture. German 1 encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic request and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Students will examine the practices, products and perspectives of German-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

### **GERMAN II**

2 semesters | 2 credits Recommended Grade Level(s): 9, 10, 11, 12 Prerequisite: German I

This course builds upon effective strategies for German language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of German-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding German language and culture outside of the classroom.

### WORLD LANGUAGES

### **GERMAN III**

2 semesters | 2 credits

Recommended Grade Level(s): 11, 12 Prerequisites: German I and II

This course builds upon effective strategies for German language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of German-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding German language and culture outside of the classroom. German III is an on-line course through the accredited Keystone Academy.

### SPANISH I

2 semesters | 2 credits Recommended Grade Level(s): 9, 10, 11, 12

Spanish I introduces students to effective strategies for beginning Spanish language learning, and to various aspects of Spanish-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in brief guided conversations on familiar topics, and write short passages with guidance. This course also emphasizes the development of reading and listening comprehension skills, such as reading isolated words and phrases in a situational context and comprehending brief written or oral directions. Additionally, students will examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

# World Languages

#### **SPANISH II**

2 semesters | 2 credits Recommended Grade Level(s): 9, 10, 11, 12 Prerequisite: Spanish I

Spanish II builds upon effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions. Students will address the presentational mode by presenting prepared material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will describe the practices, products and perspectives of Spanish-speaking culture; report on basic family and social practices of the target culture; and describe contributions from the target culture. This course further emphasizes making connections across content areas and the application of understanding Spanish language and culture outside of the classroom.

### SPANISH III

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level(s): 11, 12 Prerequisite: Spanish II

Spanish III builds upon effective strategies for Spanish language learning by facilitating the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Students will address the presentational mode by presenting student-created material on a variety of topics, as well as reading aloud to practice appropriate pronunciation and intonation. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity in the target culture. This course further emphasizes making connections across content areas as well the application of understanding Spanish language and culture outside of the classroom.

### WORLD LANGUAGES

### AP SPANISH/SPANISH IV

2 semesters | 2 credits | Dual Credit Available Recommended Grade Level: 12 Prerequisite: Spanish III and teacher recommendation

AP Spanish emphasizes the use of the Spanish language for active communication. The AP Spanish language course has as its objective the development of advanced listening comprehension, reading without the use of a dictionary, expanded conversational skills, fluent and accurate written expression, and strong command of vocabulary and structure of the Spanish language. Course content might best reflect interests shared by the students and the teacher, e.g. the arts, current events, sports, etc. The AP Spanish language course seeks to develop language skills that are useful in themselves and that can be applies to various activities and disciplines rather than being limited to any specific body of student matter. Extensive practice in the organization and writing of compositions should also be emphasized. A comprehensive description of this course can be found on the College Board AP Central Course Description web page at: http://apcentral. collegeboard.com/apc/public/courses/descriptions/index. html. The College Board exam is taken. College credit is issued based on individual college requirements.