

# *ICON High School Course Catalog*

## *CORE Courses Required for Graduation*

*Courses with \*\* are offered in Semester-by-Semester or Year-Long Enrollment Options*

### **ENGLISH LANGUAGE ARTS**

#### **English I \*\***

English I is a year-long course where students will: build their comprehension strategies when reading and writing by examining nonfiction text structures, develop their writing skills using textual evidence to support their thoughts, work through the process and practice of conducting research, analyze the author's craft and structure in both fiction and nonfiction texts, analyze fundamentals of poetry and short stories focusing on characterization, plot, and theme, and conduct a novel study on *To Kill a Mockingbird*.

#### **English II \*\***

English II is a year-long course where students are introduced to the skills, practices, and routines of argumentative writing to examine argument models, plan for their writing, gather evidence, and defend their position. Novels include: *The Boy in the Striped Pajamas* and *Lord of the Flies* where students will focus on the development of themes and symbols. Students will learn about and actively engage in the narrative writing process focusing on ideas, organization, voice, word choice, sentence fluency, and conventions. They will improve their critical thinking skills by activating prior knowledge, making connections, questioning, monitoring, predicting, inferring, visualizing, and summarizing with a focus on literary and informational texts.

#### **English III \*\***

English III is a yearlong course that surveys American Literature and literary culture from its inception through the twentieth century. Works include "The Crucible," "Uncle Tom's Cabin," and "Huckleberry Finn." Students will explore the major literary forms, themes, authors, and periods of American Literature. They will understand how this literature represents the experiences of people native to America, those who immigrated to America, and those who were brought to America against their will.

#### **English IV \*\***

English IV is a yearlong course that focuses on selected works of European literature from the twelfth century through the twenty-first century. Works include Dante's "The Inferno," Shakespeare's "Hamlet," and Bronte's "Jane Eyre." Students will approach this literature chronologically, so they can see the influences on and evolution of the ideas and forms. Writing, research, and speaking assignments will continue to focus on formulating and expressing ideas and arguments about the readings.

#### **Essentials of Communication/Speech - FALL semester only**

Essentials of Communication is a semester-long course. The materials cover fundamentals of the communication process important for successful interaction in a variety of social and professional settings. Students will use the course to gain and apply knowledge about communication theories,

characteristics of language and language use, interpersonal relationships, group dynamics, and public speaking. Students will be equipped to use communication to hone other life skills including: exchanging information, fulfilling social obligations, developing relationships, and understanding and meeting the needs of others.

### **Senior Research**

As a semester course, Senior Project is a compilation of researching, writing a technical paper, incorporating technology, and presenting a final product to a panel.

## **MATHEMATICS**

### **Algebra I \*\***

Algebra I is a 2-semester, high school math course designed to explore algebraic skills such as evaluating, creating, solving and graphing linear, quadratic, and polynomial functions. Topics include number systems, algebraic expressions, number properties, use of fractions, decimals and percents, functions, inequalities, systems of equations, polynomials, exponential and radical functions, quadratics, and rational expressions.

### **Geometry \*\***

Geometry is a two-semester, high school math course focused on the skills and methods of linear, coordinate, and plane geometry. Problem-solving skills dealing with geometric calculations and coordinate plane graphing, methods of formal proof, and techniques of construction are presented.

### **Consumer Math \*\***

Consumer Math is a two-semester, high school math course. This course focuses on a variety of skills as they pertain to "real life" scenarios. Topics include personal finance, taxes, bank processes, investments, retirement planning, depreciation trends, and comparing buying and leasing options. Students who complete this course will have a better understanding of some of the math related to various components of everyday life outside of high school.

## **SCIENCE**

### **Physical Science \*\***

Physical Science is a year-long course covering basic concepts found in chemistry and physics. This course emphasizes using careful observations, analyzing problems and integrating science knowledge to solve real world problems and appreciate the impact of scientific discovery in everyday life.

### **Biology \*\***

Lessons begin with a look at taxonomy and the classification of plants and animals and culminate with an exploration of the human body, habitats, ecosystems and biotechnology. Topics include: taxonomy, binomial nomenclature, molecular basis of life, static electricity, covalent bonding, organic compounds, lipids, carbohydrates, enzymes, microscope, microbiology, protozoa, amoeba, algae, cell design,

osmosis, anatomy and morphology of plants, reproduction in animals and plants, anatomy and physiology, systems of the body, chromosomes, diseases, probability, cell division-meiosis, mitosis, food chains, ecology, and biomes.

### **Environmental Science \*\***

Environmental science is a year-long course dedicated to understanding the interactions between earth's natural systems and the demands placed on them by the human population. This course examines the scientific principles behind natural phenomena and resource cycles, explores how we utilize these systems and our impact, and potential solutions for the resulting consequences of resource mismanagement and exploitation.

## **SOCIAL STUDIES**

### **U.S. History: Foundations to Present \*\***

U.S. History is a year-long class that begins with early American exploration and ends with the study of events from the modern era. The first semester focuses on early American history through the Civil War, placing special emphasis on the politics of the 18th and early 19th centuries. The second semester focuses on the long 20th Century, with special emphasis on the Gilded Age, World War I, the Great Depression, World War II, the Korean War, the Vietnam War, and the Cold War.

### **Government \*\***

Government focuses on international, comparative, and American governments. This class explores the various styles of government, political philosophers (Aristotle, Aquinas, Machiavelli, Locke, and Rousseau), and the history of American government. Students will learn about the influences of social, economic and cultural change on government. This course includes an in-depth study of American government, including the structure, functions of each branch, public policy, interest groups, and elections. (Successful completion of the Civics Unit fulfills the Idaho State requirement for passing the citizenship test).

### **Economics**

Economics examines the basic theories, structures, and operations of economics with special focus on the American free enterprise system. The course features a strong foundation in basic economic principles. Topics include: scarcity, economic roles of individuals, factors affecting supply and demand, different market structures, market regulation, and the macro economy. Students will learn skills in the areas of: critical thinking and analytical skills, economic fundamentals and institutions, concept of money, influences on economic systems, and personal finance.

## **HEALTH AND PE**

### **High School Health**

High School Health is a Health Science course that introduces students to what good health is, why good health is important, and what students should do to achieve good health. Not only will students learn about being healthy now, but how to lead a healthy lifestyle that they can carry with them into the future.

### **Physical Education**

Physical Education is a semester-long elective designed for high school students. The course focuses on performance of individual and team sports, with explanations of proper technique, rules of the game, and preparation. Team sports introduced include soccer, basketball, football, baseball, and volleyball. An introduction to fitness, strength, endurance, and nutrition is also included.

Students will have the opportunity to perform each sport on their own time, while keeping a log of activity. The goal is incorporation of activity into their daily lives and the gain of lifelong healthy fitness habits.

## ***ICON High School Course Catalog***

### ***ELECTIVE Courses***

***All Electives are semester-length courses.***

***Please note the courses that are offered only during the FALL or SPRING***

### **Art History I—Pre-History to Romanticism**

Art History: Prehistory to Romanticism is an elective designed to enable you the student to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. As a student, you will learn about periods, styles, and works of art beginning with the earliest examples of prehistoric art and working through Romanticism.

### **Art History II—Modern to Contemporary**

Art History: Modern to Contemporary is an elective designed to enable you the student to develop knowledge of the history and theory of art and the relationship between artist, artwork, and society. As a student, you will learn about periods, styles, and works of art beginning with the earliest examples of photography and ending with contemporary art, including art from cultures and countries around the world. PREREQUISITE: Art History: Pre-History to Romanticism.

### **Career Management – REQUIRED for all 9<sup>th</sup> Grade Students**

Career Management is a semester-long course exploring the expectations and possibilities for when students move into the workforce. The purpose of work, expectations of employees, and values to look for in an employer are also studied. Things such as cold calls, cover letters, resumes, wages, and thinking skills will be discussed. It is a great introductory class for exploring student interests and talents as students prepare to start thinking of future careers.

### **Careers in the Health Science - FALL semester only**

This course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. When students complete the course, they will be able to discuss the potential career choices and have an understanding of the basic concepts that apply to many different career choices. Units include:

- science and technology in human health
- anatomy, physiology, and disease development
- privacy, ethics, and safety in health care
- communication and teamwork in the health care environment
- health careers; creating a diverse workforce of lifelong learners

### **Civil War History**

Civil War History examines the strife of a nation ripped in two. Students start with an examination of American history and causes of the war and the failed compromises that led to secession. Students will trace significant military events, examine primary sources, and analyze the outcomes of Reconstruction.

### **Digital Arts**

Digital Arts is a semester-long elective designed to provide computer science students with an introduction to visualization-graphics programming on computers. To equip students for today's digitally driven lifestyle, this course focuses on using a digital camera and the practical application of digital imaging and editing programs. Additionally, students will work with audio-editing programs, and will also examine 3D technology and cinematography.

### **Engineering and Design**

Engineering and Design is part of the STEM (Science, Technology, Engineering, and Mathematics) education and career path. By building real-world problem-solving and critical thinking skills, students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students will also address how fluid power is used by engineers to make difficult maneuvers easier, increasing efficiency and minimizing effects on the environment. Students then identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

### **Keyboarding and Computer Applications**

Keyboarding and Computer Applications is a semester-long course. Students will practice keyboarding skills and be introduced to computer hardware and operating systems. Students will learn about word processing and presentation technology and have projects in each of these. Also discussed will be the internet and virtual communication and how to navigate these safely, politely, and responsibly.

### **Music Appreciation**

Music Appreciation is a semester-long course where students learn about music from the Middle Ages up to the popular music of today. Also discussed will be the history, the composers, the music, and the culture from each musical period-- including Medieval, Renaissance, Baroque, Classical, Romantic, 20th Century classical and popular music. Students do projects about their favorite music, their musical heritage, analyzing pieces of music, writing music, and listening to music. It is a great way to begin a life-long appreciation for the music that is everywhere in the world.

### **Unlimited Nursing Possibilities - SPRING Semester Only**

In this course, students will have several opportunities to learn about the expanding scope of professional practice for registered nurses and better understand the important changes proposed in the education and ongoing professional development of nurses. A project at the end of this course will assist students in focusing their ambition and commitment to nursing service by better defining their available educational and clinical training opportunities.

### **Personal and Family Living - FALL Semester Only**

this semester-long high school elective course, students will explore the knowledge and skills needed to help prepare them for the transition from high school to adult living. General topics include: Independent Living, Building Healthy Families, Interpersonal Relationships, Safety and First Aid, and Career Planning. Students will build skills in the areas of Decision-Making and Personal Responsibility, Conflict Resolution, Budgeting and Financial Responsibility, Health and Nutrition, Managing Stress, Personal Relationships, and Setting College and Career Goals.

### **Personal Financial Literacy – FALL Semester Only**

Personal Financial Literacy is a semester-length elective designed to help high school students prepare for success in making financial decisions throughout their lives. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.

### **Psychology - SPRING Semester Only**

In this Introduction to Psychology course, students will explore those things that influence human actions and beliefs. Included are influential psychologists and the theories they developed across the areas of Biological, Social, Developmental, Cognitive, Abnormal, and Group Psychology. Students will also explore the history of psychology, methods used in developing psychological experiments, and using the Scientific Method to obtain reliable, valid, and repeatable results for psychological studies.

### **Spanish I**

This is a year-long course broken into two semesters. Spanish is an entry level foreign language course where students will gain a basic understanding of listening, speaking, reading and writing in Spanish and cultural competency. Each semester is broken into 5 units that include vocabulary, grammar and dialogue taught in the context of different Spanish speaking countries. For example, students will discover the culture of Argentina through its geography, culture and activities while learning how to form questions in Spanish. They will also explore the geography and culture of Honduras while continuing to learn parts of speech and basic weather terms in Spanish. Students will complete lessons, quizzes, projects and one exam for each unit.

### **Vietnam Era History**

Vietnam Era History establishes the background of American involvement in Vietnam. The course begins with an examination of Vietnamese history and traces the impact of the Cold War on the region. Students will examine political maneuverings, military strategies, colonialism, and the long-term implications and outcomes of the war.

### **World History**

This is a year-long course broken down into two semesters. World History provides an examination of human history from the beginning of time to the modern day. Students will study major turning points in human existence including the transition to settled societies, classical civilizations and empires, major religions, global interaction and conflict, colonization, industrialization, revolution, the turmoil of the twentieth century and close with considerations of modern problems that can be addressed by examining history.

### **Project-Based Work Study**

Students in 11<sup>th</sup> and 12<sup>th</sup> grade who are working a minimum of 15 hours a week at a job outside the home are eligible to receive 1 elective credit through a semester length Project-Based Work Study course. Students will submit monthly reflection assignments with supervisor's and parent's (if under 18) signatures describing work hours schedule and a description of real-world application of business and career skills. Students may earn a maximum of 2 elective credits through Project-Based Work Study. MUST BE APPROVED THROUGH THE SCHOOL.

### **Driver's Education**

ICON School does not offer Driver's Education. We are happy to issue a Verification of Compliance (VOC) letter for those who wish to seek driver's training outside of school. In order for ICON to issue a VOC letter, the student must be current in their gradebook, passing all courses and attending consistently. Please send all requests for VOC letter to the Director of Student Services at [shirley.williamson@iconschool.org](mailto:shirley.williamson@iconschool.org). VOC letters take 7 days to issue, and will be sent through the mail.

## ***ICON High School Course Catalog***

### ***Dual Credit Courses***

ICON offers several opportunities to participate in Dual Credit courses. Dual Credit courses allow students to earn both high school and college credit for the same course. ICON **requires** every student to

take at least two dual credit courses between 10<sup>th</sup> – 12<sup>th</sup> grade. The following dual credit course offerings are taught by ICON staff in the Odysseyware platform:

### **Communication 101 Speech Essentials**

Communications 101 is a semester-long, Dual-Credit course through CWI. Students are prepared to become effective and ethical communicators by learning to be critical users and producers of information along with learning the importance of accommodating multiple perspectives and communication styles. Students are exposed to and apply theory, concepts, processes, and communication practices in a variety of personal, academic, professional, and social situations. Emphases include perception, verbal and nonverbal messages, and listening in the contexts of public, interpersonal, mass, and small group communication. (This CWI course fulfills the Idaho State General Education competency area of: Oral Communication. 3 credits)

### **English 101 – Year-Long**

English 101 is a year-long course that emphasizes the process and strategies of writing with critical attention to purpose, audience, and style. Students write analytical essays based on readings, observations, and ideas; develop their inventiveness and voice; and edit for style conventions of standard usage. This course introduces students to academic writing conventions, including integrating sources and using a citation system. PREREQ: Satisfactory placement score or prior completion of ENGL 015, ENGL 020, or ENGL 090. COREQ: ENGL 100, if required by placement score. (This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 1 - Written Communication.) 3 lecture hours, 0 lab hours, 3 credits)

### **Biology 100 – Year-Long**

This is an introductory course for non-science majors that provides a broad survey of biology by exploring the principles and processes that apply to living systems, including current biological issues. PRE/COREQ: BIOL 100L. (This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 4 - Scientific Ways of Knowing.). (3 lecture hours, 0 lab hours, 3 credits) The previous is in conjunction with an introductory lab for non-science majors which fulfills the laboratory component of the GEM 4 Scientific Ways of Knowing requirement. Students will engage with the process of science by making observations, developing questions, using scientific apparatus to collect and analyze data, and communicate the results of scientific work. PRE/COREQ: BIOL 100. (This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 4 - Scientific Ways of Knowing.). (0 lecture hours, 3 lab hours, 1 credits).

### **Environmental Science 100 - Year-Long**

Environmental Science Dual Credit is a year-long, Dual-Credit course through CWI. This course will consider scientific principles and their influence on environmental problems in today's society. The role of humans and our impact on these issues will be emphasized. Past, present, and future trends will be evaluated along with the possible impacts of these trends on the local and global populace.

### **Personal Financial Literacy – SPRING semester only**

Personal Financial Literacy Dual Credit is a semester-length introductory collegiate course designed to help high school students prepare for success in making financial decisions throughout their lives. Students will utilize their math skills to develop financial literacy. Topics in the course address the advantages of making sound financial decisions in both the short and long term, income planning, money management, saving and investing, and consumer rights and responsibilities.



### **History 101 World History A – FALL semester only**

World History A Dual Credit interprets the development of cultures from around the world from prehistoric times to ~AD 1500. Students will analyze the characteristics of human societies and explore how cultures have interacted with each other over time. Students will utilize Flexbooks World History and the History of the World Map by Map as key components of this course. (This CWI course provides 3 lecture hours, 0 lab hours, 3 credits)

### **History 102 World History B – SPRING semester only**

World History B Dual Credit engages students in the study of world history since 1500 to achieve a critical and integrated understanding of global societies and cultures during the past 500 years. This class orients around the central themes of colonialism, imperialism, political and social revolution, and industrialization. Students will utilize Marks's The Origin of the Modern World as the central text as well as academic articles, podcasts, and documentaries. (This CWI course provides 3 lecture hours, 0 lab hours, 3 credits)

### **History 111 US History A – FALL semester only**

This course examines the history of the United States from its pre-colonial and colonial beginnings to the Civil War. Emphasis is placed on tracing the development of the American political system, economic institutions, social structure and culture from the Colonial period, through the Revolution, early National period, and the Jacksonian era, to the Civil War. During this 250-year period, dynamic changes to American constitutionalism, democracy, nationalism, and society led to conflicts in American politics and society over such issues as slavery, federalism, expansionism, and early industrialization. (This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 6 - Social and Behavioral Ways of Knowing.). (3 lecture hours, 0 lab hours, 3 credits)

### **History 112 US History B – SPRING semester only**

This course examines the evolution of the United States between 1865 and the present. Emphasis is placed on tracing the development of the American political system, economic institutions, social structure, and culture during the Gilded Age, the Progressive era, the Great Depression, the World Wars, and the Cold War. During the modern era, the U.S. had to confront issues of national integration, upheaval in race/class/gender relations, economic change, corporatization, and America's role as a world power. The course ends with a discussion of politics, society, the economy, and information technology in our era. (This CWI course meets Idaho State Board of Education GEM competency requirements for GEM 6 - Social and Behavioral Ways of Knowing.). (3 lecture hours, 0 lab hours, 3 credits)

## **ADDITIONAL DUAL CREDIT OPPORTUNITIES**

ICON is also offering Dual Credit options through:

- College of Western Idaho (CWI)
- Brigham Young University-Idaho (BYU-Idaho), and
- North Idaho College (NIC)

Each college or university has its own process for high school students to register and be enrolled in their online courses. In addition, NIC is allowing for in-person instruction on campus. Students will be required to follow the registration procedures for each school and to pay for the course at the time of

enrollment. At the successful completion of the course, students will be reimbursed for the enrollment costs.

It is important to ICON that we are able to provide college and career readiness opportunities to every student, with the goal that every 12<sup>th</sup> grader will graduate from ICON with at least 2 Dual Credit courses.