



2012-2013

COURSE DESCRIPTIONS

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I. ENGLISH/LANGUAGE ARTS

1002 ENGLISH 9

Grade: 9

(ENG 9)

English 9, an integrated English course based on *Indiana's Academic Standards for English/Language Arts in Grade 9* and the *Common Core State Standards for English/Language Arts*, 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.

- **Recommended Prerequisites:** None
- **Credits:** 2 credits, a two-semester course with 1 credit per semester
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1004 ENGLISH 10

Grade: 10

(ENG 10)

English 10, an integrated English course based on *Indiana's Academic Standards for English/Language Arts in Grade 10* and the *Common Core State Standards for English/Language Arts*, 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 online information.

- **Recommended Prerequisites:** English 9 or teacher recommendation
- **Credits:** 2 credits, a two-semester course with 1 credit per semester
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1010 LANGUAGE ARTS LAB

Grades: 9-11

(LANG LAB)

Language Arts Lab is a supplemental course that provides students with individualized or small group instruction designed to support success in completing language arts course work aligned with *Indiana's Academic Standards for English/Language Arts in Grades 9-12* and the *Common Core State Standards for English/Language Arts*, focusing on the Writing Standards (Standards 4, 5, and 6).

- **Recommended Prerequisites:** None
- **Credits:** 1-8 credits. The nature of this course allows for successive semesters of instruction at advanced levels.
- Counts as an elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas. This course is for students who need additional support in all the language arts (reading, writing, speaking and listening), especially in writing.

1080 JOURNALISM

Grades: 9-11

(JRNALISM)

This course is designed as a survey course to introduce journalism basics, including effective interviewing and writing techniques. Covers a study of communications history including the legal boundaries and the ethical principles that guide journalistic writing. It includes a comparison study of journalistic writing to other types of writing. Students prepare for a career path in journalism by working on high school publications or media staffs. Course will include large projects designed at publishing works written by students. Both video and written journalism will be studied. Students enrolled in this course should be highly motivated to ethically uncover and .

- **Required Prerequisites:** Passing score (D or above) in previous English course.
- **Credits:** 1 semester, 1 credit
- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1092 CREATIVE WRITING

Grade: 10

(CREAT WRIT)

This course provides close inquiry and examination of effective writing strategies in fiction. Analysis of contemporary and classic fiction/poetry works will provide the foundation for growth in developing one's own creative writing. Students who take this course should expect a large amount of fiction and poetry reading as homework. Students should also be aware that a large component of grading will involve sharing and critiquing poetry and prose written by students. 'Read alouds' and poetry performances will be expected for effective participation in class.

- **Required Prerequisites:** C or better in English 9
- **Credits:** 1 semester, 1 credit
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1084 MASS MEDIA

Grade: 10

(MASS MEDIA)

Mass Media, a course based on the *High School Journalism Standards* and the *Mass Media and Media Literacy Standards*, is the study of the importance of mass media as pervasive in modern life at the local, national, and global levels. It includes a study of the impact of constant and immediate news, entertainment, and persuasive messages on everyday life. Students use course content to become knowledgeable consumers of mass media in preparation for their roles as informed citizens in a democratic society. MASS MEDIA PROJECT for the second credit: Students complete a project, such as a media convergence special report using multiple formats that compare different aspects of a topic of interest or concern. The project demonstrates knowledge, application, and progress in Mass Media course content.

- **Required Prerequisite:** None
- **Credits:** 1 semester, 1 credit
- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diploma

1076 SPEECH

Grades: 9, 10

(SPEECH)

Speech, a course based on *Indiana's Academic Standards for English/Language Arts* and the *Common Core State Standards for English/Language Arts Standards*, is the study and application of the basic principles and techniques of effective oral communication. Students deliver focused and coherent speeches that convey clear messages, using gestures, tone, and vocabulary appropriate to the audience and purpose. Students deliver different types of oral and multi-media presentations, including viewpoint, instructional, demonstration, informative, persuasive, and impromptu. Students use the same Standard English conventions for oral speech that they use in their writing.

- **Required Prerequisites:** None
- **Credits:** 1 semester, 1 credit
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1090 COMPOSITION

Grades: 11

(COMP)

Composition, a course based on *Indiana's Academic Standards for English/Language Arts* and the *Common Core State Standards for English/Language Arts*, is a study and application of the rhetorical (effective) writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or articles and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature.

- **Recommended Prerequisites:** English 9, English 10, or teacher recommendation
- **Credits:** 1 credit
- This course can be taken as a Dual Credit course and if course exam is passed the student will receive one (1) college credit comparable to the corresponding one-semester college level course.
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1086 STUDENT PUBLICATIONS

Grades: 9-12

(STDNT PUBS)

Student Publications, a course based on the *High School Journalism Standards* and the *Student Publications Standards*, is the continuation of the study of journalism. Students demonstrate their ability to do journalistic writing and design for high school publications, including school newspapers and yearbooks, and a variety of 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 publications or media staffs so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

- **Recommended Prerequisites:** Journalism, Mass Media, or teacher recommendation
- **Credits:** 1-8 credits. The nature of this course allows for successive semesters of instruction at advanced levels. May be offered over three- or four-years by subtitling the course Beginning, Intermediate, or Advanced.

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas or two (2) credits accrued as an English/Language Arts requirement for the General Diploma only if the course work addresses Indiana's Academic Standards for English/Language Arts

1034 FILM LITERATURE

Grades: 9-11

(FILM LIT)

Film Literature, a course based on *Indiana's Academic Standards for English/Language Arts* and the *Common Core State Standards for English/Language Arts*, is a study of how literature is adapted for film or media and includes role playing as film directors for selected screen scenes. Students read about the history of film, the reflection or influence of film on the culture, and issues of interpretation, production and adaptation. Students examine the visual interpretation of literary techniques and auditory language in film and the limitations or special capacities of film versus text to present a literary work. Students analyze how films portray the human condition and the roles of men and women and the various ethnic or cultural minorities in the past and present. FILM LITERATURE PROJECT: Students complete a project, such as doing an historical timeline and bibliography on the development of film or the creation of a short- subject film, which demonstrates knowledge, application, and progress in the Film Literature course content.

- Recommended Prerequisites:** English 9, English 10, or teacher recommendation
- Credits:** 1 credit
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
- NOTE: Students are strongly encouraged to combine this course with a composition course that they take before, concurrently, or after the course.

1032 ETHNIC LITERATURE

Grades: 9-11

(ETHNIC LIT)

Ethnic Literature, a course based on *Indiana's Academic Standards for English/Language Arts* and the *Common Core State Standards for English/Language Arts*, is a study of literature focusing on specific multicultural issues produced by writers representing various ethnic cultures. Students examine works exploring ethnic experiences and ideas as well as the contributions of authors to multicultural themes. Students analyze the expressions of cultural identities within ethnic literature and how problems or issues of interest to a given group relate or interconnect with national issues and history.

- Recommended Prerequisites:** English 9, English 10, or teacher recommendation
- Credits:** 1 credit
- Fulfills an English/Language Arts requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

II. MATHEMATICS

2512 INTEGRATED MATHEMATICS ENRICHMENT

Grades: 9-11

(INT MATH ENRICH)

Integrated Mathematics Enrichment is a mathematics support course for *Integrated Mathematics I*. The course provides students with additional time to build the foundations necessary for high school math courses, while concurrently having access to rigorous, grade-

level appropriate courses. The five critical areas of *Integrated Mathematics Enrichment* align with the critical areas of *Integrated Mathematics I*: Relationships between Quantities; Linear and Exponential Relationships; Reasoning with Equations; Descriptive Statistics; Congruence, Proof, and Constructions; and Connecting Algebra and Geometry through Coordinates. However, whereas *Integrated Mathematics I* contains exclusively grade-level content, *Integrated Mathematics Enrichment* combines standards from high school courses with foundational standards from the middle grades.

- Credits:** A two credit course
- Counts as a Mathematics Course for the General Diploma only or as an Elective for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

2554 INTEGRATED MATHEMATICS I

Grade: 9

(INT MATH I)

Integrated Mathematics I formalizes and extends the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. *Integrated Mathematics I* uses properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge from prior grades. The final unit in the course ties together the algebraic and geometric ideas studied. 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.

- Credits:** A two credit course
- Fulfills the Algebra I/Integrated Mathematics I requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

2556 INTEGRATED MATHEMATICS II

Grade: 10

(INT MATH II)

Integrated Mathematics II focuses on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from *Integrated Mathematics I*. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. 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.

- Recommended Prerequisite:** Integrated Mathematics I
- Credits:** A two credit course
- Fulfills the Geometry/Integrated Mathematics II requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas and counts as a Mathematics Course for the General Diploma

2558 INTEGRATED MATHEMATICS III

Grade: 11

(INT MATH III)

Integrated Mathematics III provides students the opportunity to pull together and apply the accumulation of learning that they have from their previous courses. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. 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.

- Recommended Prerequisite:** Integrated Mathematics II
- Credits:** A two credit course
- Fulfills the Algebra II/Integrated Mathematics III requirement for the Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas and counts as a Mathematics Course for the General Diploma

III. SCIENCE

3008 SCIENCE OLYMPIAD, INDEPENDENT STUDY (L)

Grades: 10-12

(SCI RSRCH IS)

Science Olympiad, Independent Study is a course that provides students with unique opportunity for independent, in-depth study of various science topics related to Science Olympiad. All science fields are represented and change from year to year. Students enrolled in this course will be part of the Science Olympiad team and will be expected to commit time outside of school for team practice. Students will also compete in the various competitions held through the year.

- Recommended Prerequisite:** Two credits in Core 40 and AHD science coursework (this course may be taken concurrently with a Core 40 and AHD science course)
- Credits:** A two credit course
- Counts as a general elective for the Core 40, Core 40 with Academic Honors.

3024 BIOLOGY I (L)

Grades: 9-10

(BIO I)

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.

- Recommended Prerequisites:** None
- Credits:** A two credit course Fulfills the Biology requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

3044 EARTH AND SPACE SCIENCE I (L)

Grade: 11

(EAS SCI I)

Earth and Space Science I is a course focused on the following core topics: study of the earth's layers; atmosphere and hydrosphere; structure and scale of the universe; the solar system and earth processes. Students analyze and describe earth's interconnected systems and examine how earth's materials, landforms, and continents are modified across geological time. 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.

- **Recommended Prerequisites:** None
- **Credits:** A two credit course
- Counts as a Science Course for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

3108 INTEGRATED CHEMISTRY-PHYSICS (L)

Grades: 9-10

(ICP)

Integrated Chemistry-Physics is a course focused on the following core topics: motion and energy of macroscopic objects; chemical, electrical, mechanical and nuclear energy; properties of matter; transport of energy; magnetism; energy production and its relationship to the environment and economy. 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

- **Recommended Prerequisite:** Algebra I (may be taken concurrently with this course)
- **Credits:** A two credit course
- Fulfills the 2 credit requirement for Chemistry I, Physics I, or Integrated Chemistry and Physics towards the General, Core 40, Core 40 with Academic Honors, and Core 40 with Technical Honors diplomas

5132 HORTICULTURAL SCIENCE

Grades: 10-12

(HORT SCI)

Horticultural Science is a yearlong course designed to give students a background in the field of horticulture and its many career opportunities. It addresses the biology and technology involved in the production, processing, and marketing of horticultural plants and products. Topics covered include: reproduction and propagation of plants, plant growth, growth media, hydroponics, floriculture and floral design, management practices for field and greenhouse production, interior landscapes, marketing concepts, production of herbaceous, woody, and nursery stock, fruit, nut, and vegetable production, integrated pest management and employability skills. Students participate in a variety of activities including extensive laboratory work usually in a school greenhouse.

- **Recommended Prerequisites:** Fundamentals of Agricultural Science and Business.
- **Credits:** A two-credit/ two-semester course
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

IV. SOCIAL STUDIES

1508 CITIZENSHIP AND CIVICS

Grades: 9-11

(CIVICS)

Citizenship and Civics is an overview of citizenship roles and responsibilities designed to help students become independent thinkers and conscientious citizens. This course deals with political trends and behavior which citizens consider to be relevant to the most pressing issues of the day. The course provides students experiences that will develop attitudes of citizenship within a democratic society. Topics include: (1) the policymaking process, (2) public participation in policymaking, (3) citizenship rights and responsibilities in a changing society, and (4) the relationship between modern society and government. Study of the local government should be a component of this course.

- **Recommended Prerequisites:** None

- **Credits:** 1 semester course, 1 credit

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1512 CURRENT PROBLEMS, ISSUES AND EVENTS (aka CONTEMPORARY STUDIES)

Grades: 9-11

(CPIE)

Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studied from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included.

- **Required Prerequisites:** None

- **Credits:** 1 semester, 1 credit.

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

1516 ETHNIC STUDIES

Grades: 9, 10

(ETH STUDIES)

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. This course will either focus on a particular ethnic group or groups, or use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. The course may also include analysis of the political impact of ethnic diversity in the United States.

- **Required Prerequisites:** None

- **Credits:** 1 semester course, 1 credit

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

1548 WORLD HISTORY AND CIVILIZATION

Grade: 9

(WLD HST/CVL)

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.

- Recommended Prerequisites:** None

- Credits:** 2 semester course, 1 credit per semester

- Fulfills a Social Studies requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas or counts as an Elective for any diploma

1542 UNITED STATES HISTORY

Grade: 10-11

(US HIST)

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.

- Recommended Prerequisites:** None

- Credits:** 2 semester course, 1 credit each semester

- Fulfills the US History requirement of the General, Core 40, Core 40 with Academic Honors, and Core 40 with Technical Honors diplomas

1570 GEOGRAPHY AND HISTORY OF THE WORLD

Grade: 10

(GEO-HST WLD)

Geography and History of the World is designed to enable students to use geographical skills and historical concepts to deepen their understanding of major global themes including the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

Geographical and historical skills include forming research questions, acquiring information by investigating a variety of primary and secondary sources, organizing information by creating graphic representations, analyzing information to determine and explain patterns and trends, and presenting and documenting findings orally and/or in writing. The historical geography concepts used to explore the global themes include change over time, origin, diffusion, physical systems, cultural landscapes, and spatial distribution and interaction.

Using these skills, concepts and the processes associated with them, students are able to analyze, evaluate, and make predictions about major global developments. This course is designed to nurture perceptive, responsible citizenship, encourage and support the

development of critical thinking skills and lifelong learning, and to help prepare Indiana students for the 21st Century.

- Recommended Prerequisites:** None

- Credits:** 2 semester course, 1 credit per semester

- Fulfills a Social Studies requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas or counts as an Elective for any diploma

1532 PSYCHOLOGY *DUAL CREDIT*

Grade: 10

(PSYCH)

Psychology is the scientific study of mental processes and behavior. The course is divided into six content areas and uses the scientific methods to explore research methods and ethical consideration. Developmental psychology takes a life span approach to physical, cognitive, language, emotional, social, and moral development. Cognitive aspects of the course focus on learning, memory, information processing, and language. Personality, Assessment, and Mental Health topics include psychological disorders, treatment, personality, and assessment. Socio-cultural dimensions of behavior deal with topics such as conformity, obedience, perceptions, attitudes, and influence of the group on the individual. The Biological Basis focuses on the way the brain and nervous system function, including sensation, perception, motivation, and emotion.

- Recommended Prerequisites:** None

- Credits:** 1 credit per semester. This course and corresponding exam are intended to be comparable to the corresponding one-semester college level course.

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

V. BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY EDUCATION

4528 IT ESSENTIALS

Grades: 9-12

(IT ESSENT)

IT Essentials introduces students to the physical components and operation of computers. Technology is used to build students decision-making and problem-solving skills. Students should be given the opportunity to seek an industry-recognized digital literacy certification.

- **Recommended Prerequisites:** None

- **Credits:** 1 credit per semester, maximum of 2 semesters, maximum of 2 credits

- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4518 BUSINESS, MARKETING, & ENTREPRENEURSHIP (formerly Bus. Foundations)

Grade: 10

(BUS MRK ENTP)

Business, Marketing and Entrepreneurship introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics

and law. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

- **Recommended Prerequisites:** None
- **Credits:** 1 credit per semester, maximum of 1 semester, maximum of 1 credit
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

5230 COMPUTER TECH SUPPORT

Grades: 11-12

(COMP TECH)

Computer Tech Support allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

- **Recommended Prerequisites:** IT Essentials
- **Credits:** 2-3 credits per semester, maximum of 2 semesters, maximum of 6 credits
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

5394 PREPARING FOR COLLEGE AND CAREERS

Grade: 9

(PRE CCS)

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 include 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 life experiences, is recommended.

- **Recommended Prerequisites:** None
- **Credits:** A one-credit course over one semester
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas
- One of the F&CS courses from which students may choose three to fulfill the required Health and Wellness credit

VI. FAMILY AND CONSUMER SCIENCES

4540 PERSONAL FINANCE

Grade: 10

(PRSFMFIN)

Personal and Family Finance addresses the identification and management of personal resources and family finances to meet the needs and wants of individuals and families throughout the family life cycle, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of managing individual and family finances and personal resources. Topics include analysis of personal standards, values, aptitudes, needs and wants, and goals; personal decision making; personal finance topics such as making money, banking, saving and investing, managing credit, managing risks and insurance; financial planning for daily needs now and for the future; integrating family, community, and career responsibilities into personal and family financial planning; consumer choices, rights, and responsibilities, and decision making related to meeting personal and family goals for nutrition and wellness, clothing, housing, and transportation. Applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged. This course is recommended for all students regardless of their career cluster or pathway, in order to build skills needed for assuming their roles and responsibilities as individuals and family members and in family and community settings. It is recommended as a core component of the four-year career plans for the career clusters of art, A/V technology & communications; business, management & finance; education & training; health services; personal & commercial services; social & recreational services; law, public safety & security; and marketing, sales & promotion.

- **Required Prerequisites:** None
- **Credits:** One-semester, one credit per semester
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

5342 NUTRITION AND WELLNESS

Grades: 9-11

(NTRN WLNS)

Nutrition and Wellness enables students to realize the components and lifelong benefits of sound nutrition and wellness practices and empowers them to apply these principles in their everyday lives. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of individual and family issues. Topics include impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutrition and wellness choices; planning for Wellness and fitness; selection and preparation of nutritious meals and snacks based on USDA Dietary Guidelines including the Food Guide Pyramid; safety, sanitation, storage, and recycling processes and issues associated with nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths. Laboratory experiences which emphasize both nutrition and wellness practices are required components of this course. This course is recommended for all students regardless of their career cluster or pathway, in order to build basic nutrition and wellness knowledge and skills, and is especially appropriate for students with interest in human services, wellness/fitness, health, or food and nutrition-related career pathways.

- **Recommended Prerequisites:** None
- **Credits:** One-semester or two-semester course, one credit per semester.

- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

5362 CHILD DEVELOPMENT AND PARENTING

Grades: 9-11

(CHLD DEV)

Child Development and Parenting addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate suggested topics into the study of child development and parenting. The focus is on research-based nurturing and parenting practices and skills, including brain development research, that support positive development of children. Topics include consideration of the roles, responsibilities and challenges of parenthood; human sexuality; adolescent pregnancy; prenatal development; preparation for birth; the birth process; meeting the physical, social, emotional, intellectual, moral, and cultural growth and developmental needs of infants and children; impacts of heredity, environment, and family and societal crisis on development of the child; meeting children's needs for food, clothing, shelter, and care giving; caring for children with special needs; parental resources, services, and agencies; and career awareness. Applications through authentic settings such as volunteer experiences, internships, and service learning are encouraged. This course is recommended for all students regardless of their career cluster or pathway to build basic parenting skills and is especially appropriate for students with interest in human services and education-related careers.

•**Recommended Prerequisites:** None

•**Credits:** One-semester or two-semester course, one credit per semester

•Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

•One of the FACS courses from which students may choose three to fulfill the required Health and Wellness credit

VII. PHYSICAL EDUCATION & HEALTH

NON-TRADITIONAL PE ATHLETIC WAIVER

Grades: 9, 10

Hammond Academy students are required to take two semesters of Physical Education to graduate. Both credits may be earned through non-traditional PE. A student can receive one (1) credit for participation in each qualifying activity including, basketball, volleyball, cross country, cheerleading, softball, and baseball.

•**Student must apply for waiver while they are in season**

•**Credits:** 1 semester, 1 credit (Max. 2)

•**Students must have their coach(es) complete a "Non-Traditional PE Enrollment Form," which can be obtained from the guidance office or athletic office. Core 40/AHD**

3542 PHYSICAL EDUCATION I

Grades: 9, 10

(PHYS ED)

Physical Education I focuses on instructional strategies through a planned, sequential, and comprehensive physical education curriculum which provide students with opportunities to actively participate in at least four of the following: team sports; dual sport activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and

dance, all which are within the framework of lifetime physical activities and fitness. Ongoing assessment includes both written and performance-based skill evaluation.

- **Required Prerequisites:** None
- **Credits:** 1 credit per semester
- Fulfills part of the Physical Education requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

3544 PHYSICAL EDUCATION II

Grades: 10

(PHYS ED II)

Physical Education II focuses on providing a learning experience that will lead to the development of intermediate/advanced skills in team sports. Students will receive instruction in all areas of team sports represented in the class and will be assessed on skill development and knowledge pertaining to team sports. Students will be expected to achieve an intermediate level of skill in the selected team sports. The course will also focus on the fundamental components and principles of fitness. The course will go over safety guidelines, proper technique, and exercise principles such as FITT (Frequency, Intensity, Time, and Type). Students will assess their current level of fitness in relation to the five components of physical fitness: flexibility, cardiovascular health, muscular strength, muscular endurance, and body composition. Students will be expected to participate in daily high intensity exercises in order to show improvement in most areas of physical fitness.

- **Required Prerequisites:** Physical Education I
- **Credits:** 1 credit per semester
- Fulfills part of the Physical Education requirement for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

3506 HEALTH & WELLNESS EDUCATION

Grades: 9-11

(HLTH&WELL)

Health & Wellness, a course based on *Indiana's Academic Standards for Health & Wellness*, 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 (essential concepts); determine personal values that support health 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.

- **Recommended Prerequisites:** None
- **Credits:** 1 credit, 1 semester course
- Fulfills the Health & Wellness requirement for the General, Core 40, Core 40 with Academic Honors, Core 40 with Technical Honors diplomas

3560 ELECTIVE PHYSICAL EDUCATION (L)

Grades: 10-11

(ELECT PE)

Elective Physical Education, a course based on selected standards from *Indiana's Academic Standards for Physical Education*, 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 and provides an opportunity for an in-depth study in one or more specific areas. A minimum of two of the following activities should be included: team sports; dual sports activities; individual physical activities; outdoor pursuits; self-defense and martial arts; aquatics; gymnastics; and dance. It includes the study of physical development concepts and principles of sport and exercise as well as opportunities to develop or refine skills and attitudes that promote lifelong fitness. Students have the opportunity to design and develop an appropriate personal fitness program that enables them to achieve a desired level of fitness. Ongoing assessment includes both written and performance-based skill evaluation. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans (e.g., chronic illnesses, temporary injuries, obesity, etc.).

- **Recommended Prerequisites:** Physical Education I and II

- **Credits:** 1 credit per semester, trimester or upon mastery of course standards. There is no maximum amount of credits that may be earned provided that there is no course or skill level duplication.

- Counts as an Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

VIII. FINE ARTS

4000 INTRODUCTION TO TWO-DIMENSIONAL ART (L)

Grades 9, 10

(2D ART)

Introduction to Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

- **Required Prerequisites:** None

- **Credits:** a 1-semester course for 1 credit

- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

4004 ADVANCED TWO-DIMENSIONAL ART (L)

Grades: 9, 10

(ADV 2D ART)

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to

the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

- **Required Prerequisites:** Introduction to Two-Dimensional Art (L)
- **Credits:** 1-semester, 1 credit.
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

4024 ART HISTORY

Grade: 10

(ART HIST)

Art History is a course based on the Indiana Academic Standards for Visual Art. Students taking Art History engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production. Students study works of art and artifacts from world cultures, engage in historically relevant studio activities; utilize research skills to discover social, political, economic, technological, environmental, and historical trends and 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.

- **Recommended Prerequisites:** none
- **Credits:** a 1-semester course for 1 credit
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4040 CERAMICS

Grade: 10

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.

- **Recommended Prerequisites:** Introduction to Two-Dimensional Art (L), Introduction to Three-Dimensional Art (L) Laboratory course
- **Credits:** a 1-semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4142 DANCE (L)

Grades: 9, 10

(DANCE CHR)

Dance Choreography is based on the Indiana Academic Standards for Dance. Learning activities in choreography are sequential and systematic and allow students to express themselves. A wide variety of materials and experiences are used in order to provide students with the knowledge, skills, and appreciation of the multi-styled and multicultural dance expressions. This course will overview recreational and social dance forms starting with a review of basic movement/steps and continuing through the dance styles including (but not limited too) Fox Trot, Waltz, Cha Cha, Tango, as well as Square, Line, and Swing Dancing. Also included in this course, time permitting, will be various Folk and Ethnic Dances. Students will experience and learn to use appropriate terminology to describe, analyze, interpret, and critique dance compositions by professional individuals or companies.

- **Required Prerequisites:** None
- **Credits:** 1 semester course, 1 credit.
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4242 THEATRE ARTS (L)

Grades: 9-11

(THTR ARTS)

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

- **Recommended Prerequisites:** None
- **Credits:** a 1-semester course for 1 credit. The nature of this course allows for two successive semesters (Theatre Arts I and Theatre Arts II) of instruction at this level, provided that defined standards are utilized.
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

IX. MULTIDISCIPLINARY

0512 ENVIRONMENTAL STUDIES (L)

Grades: 10

(ENVSTUDIES)

Environmental Studies provides students opportunities to utilize several disciplines in examining ecosystems from a variety of human viewpoints. This course fosters an awareness of aesthetics in urban and rural areas and the ecological, economic, social and political interdependence of environmental factors. It introduces students to the knowledge, attitudes, commitments, and skills needed to make decisions and to choose personal actions that will contribute to intelligent resource management. This course also provides students with the skills needed to investigate the ecological effects regarding the uses of: (1) energy, (2) water, (3) air, (4) soils, (5) minerals, (6) wildlife, and (7) other natural resources. Field trips and community investigations provide examples of practical applications of resource management. Topics include: (1) identifying and monitoring the disposal of hazardous wastes, (2) acid rain, (3) land- use practices ranging from

wilderness areas to areas under multiple-use management, (4) water and solid waste treatment, (5) transportation systems, (6) human population demands on the land, and (7) the impact of these factors on the quality of life and the culture of the area.

- **Required Prerequisites:** None
- **Credits:** 1 credit, 1 semester
- Counts as an Elective for all diplomas

X. MUSIC

4182 BEGINNING CHORUS

Grades:10-11

(BEG CHOR)

Beginning Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Beginning Chorus develop musicianship and specific performance skills through ensemble and solo singing. This class includes the study of quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Chorus classes provide opportunities for performing, creating, and responding to music. Students develop the ability to understand and convey the composer's intent in performance of music. Time outside of the school day may be scheduled for rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and musical goals. Students are required to participate in performance opportunities outside of the school day that support and extend learning in the classroom.

- **Required Prerequisites:** None
- **Credits:** a 1-semester course for 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma. Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors.

4202 TECH MUSIC

Grades: 9-11

(ELEC MUS)

Electronic Music is based on the Indiana Academic Standards for High School Music Technology. Students taking this course are provided with a wide variety of activities and experiences to develop skills in using electronic media and current technology to perform, create, and respond to music.

- **Required Prerequisites:** None
- **Credits:** 1 semester, 1 credit. The nature of this course allows for successive semesters of instruction at an advanced level provided that defined proficiencies and content standards are utilized.
- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma. Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

4206 MUSIC HISTORY AND APPRECIATION

Grades:9-11

(MUS HIST)

Music History and Appreciation is based on the Indiana Academic Standards for Music and standards for this specific course. Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both Western and Non-Western history and culture. Activities include analyzing and describing music; evaluating

music and music performances; and understanding relationships between music and the other arts, as well as disciplines outside of the arts.

- Recommended Prerequisites:** None

- Credits:** a 1 or 2 semester course for 1 credit each semester. The nature of this course allows for two successive semesters of instruction, provided that defined standards are utilized.

- Fulfills requirement for 1 of 2 Fine Arts credits for Core 40 with Academic Honors diploma
Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4208 MUSIC THEORY AND COMPOSITION (L)

Grades: 9-11

(MUS THEORY)

Music Theory and Composition is based on the Indiana Academic Standards for Music and standards for this specific course. Students develop skills in the analysis of music and theoretical concepts. They develop ear training and dictation skills, compose works that illustrate mastered concepts, understand harmonic structures and analysis, understand modes and scales, study a wide variety of musical styles, study traditional and nontraditional music notation and sound sources as tools for musical composition, and receive detailed instruction in other basic elements of music.

- Recommended Prerequisites:** None

- Credits:** a 1 or 2 semester course for 1 credit each semester. The nature of this course allows for two successive semesters of instruction, provided that defined standards are utilized.

- Fulfills requirement for two Fine Arts credits (if taken for 2 semesters) for Core 40 with Academic Honors diploma

- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

XI. FOREIGN LANGUAGE

2120 SPANISH I

Grades: 9-11

(SPAN I)

Spanish I, a course based on *Indiana's Academic Standards for World Languages*, 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.

- **Required Prerequisites:** None

- **Credits:** 2 semesters, 2 credits

- Course Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma.

2122 SPANISH II

Grades: 9-11

(SPAN II)

Spanish II, a course based on *Indiana's Academic Standards for World Languages*, 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.

- **Required Prerequisites:** Spanish I
- **Credit:** 2 semesters, 2 credits
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma.

2124 SPANISH III

Grade: 9-11

(SPAN III)

Spanish III, a course based on *Indiana's Academic Standards for World Languages*, 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.

- **Recommended Prerequisites:** Spanish I and II
- **Credits:** A 2-credit course
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma

2020 FRENCH I

Grades: 9-11**(FREN I)**

French I, a course based on *Indiana's Academic Standards for World Languages*, introduces students to effective strategies for beginning French language learning, and to various aspects of French-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 French-speaking; 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 French language and culture outside of the classroom.

- **Required Prerequisites:** None
- **Credits:** 2 credits, 2 semesters
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma

2022 FRENCH II**Grades: 9-11****(FREN II)**

French II, a course based on *Indiana's Academic Standards for World Languages*, builds upon effective strategies for French 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 French-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 French language and culture outside of the classroom.

- **Recommended Prerequisites:** French I
- **Credits:** A 2-credit course
- Fulfills a World Language requirement for the Core 40 with Academic Honors diploma or counts as a Directed Elective or Elective for any diploma

XII. PROJECT LEAD THE WAY - PRE ENGINEERING**4812 INTRODUCTION TO ENGINEERING DESIGN****Grades: 9****(IED)**

Introduction to Engineering Design is an introductory course which develops student problem solving skills with emphasis placed on the development of three-dimensional solid models.

Students will work from sketching simple geometric shapes to applying a solid modeling computer software package. They will learn a problem solving design process and how it is used in industry to manufacture a product. The Computer Aided Design System (CAD) will also be used to analyze and evaluate the product design. The techniques learned, and equipment used, is state of the art and are currently being used by engineers throughout the United States. Only those schools having a signed agreement with the national Project Lead the Way organization can use this course title.

- **Required Prerequisite:** must have passed ISTEP and NWEA score of 233
- **Credits:** A two credit, two semester course
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

4814 PRINCIPLES OF ENGINEERING

Grades: 10

(POE)

Principles of Engineering is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem solving skills that are involved in postsecondary education programs and engineering careers. They will also learn how engineers address concerns about the social and political consequences of technological change.

- **Required Prerequisites:** must have passed ISTEP, NWEA score of 240 or higher, and successful completion of IED
- **Credits:** A two credit, two semester course
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas.

4820 CIVIL ENGINEERING AND ARCHITECTURE

Grades: 10

(CEA)

This course should introduce students to the fundamental design and development aspects of civil engineering and architectural planning activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs should allow students opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related transportation, water resource, and environmental issues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design. Only those schools having a signed agreement with the national Project Lead The Way organization can use this course title.

- **Required Prerequisites:** must have passed ISTEP, NWEA score of 240 or higher, in addition to successful completion of IED & POE
- **Credits:** A two credit, two semester course
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

4826 DIGITAL ELECTRONICS

Grades:10-11

(DE)

Digital Electronics Technology is a course of study in applied digital logic that encompasses the design and application of electronic circuits and devices found in video games, watches, calculators, digital cameras, and thousands of other devices. Instruction includes the application

of engineering and scientific principles as well as the use of Boolean algebra to solve design problems. Using computer software that reflects current industry standards, activities should provide opportunities for students to design, construct, test, and analyze simple and complex digital circuitry.

- Recommended Prerequisites:** must have passed ISTEP, NWEA score of 240 or higher, in addition to completing IED, POE, and CEA

- Credits:** A two credit, two semester course.

- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas