

Tri-Township Jr/Sr High
School
Course Catalog
2022-2023

Business Department

Business Law and Ethics

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective for all diplomas

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods, case review, and situational analyses • Counts as a Directed Elective or Elective for all diplomas

Introduction to Business

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas

Introduction to Business 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 develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

Personal Financial Responsibility

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas and qualifies as a quantitative reasoning course

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families,

considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project based approach and 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

Preparing for College and Careers

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas

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.

Principles of Business Management

Length of Course: 1 semester

Prerequisites: Intro to Bus recommended

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free-enterprise system. Students will attain an understanding of management, team building, leadership, problem-solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized

Management Fundamentals

Length of Course: 2 semester course; 2 semesters required

Prerequisites: Principles of Business Management

Credits: 1 credit per semester, 2 credits maximum

Offered to Grades: 10,11,12

A directed elective or elective for all diplomas

Management Fundamentals describes the functions of managers, including the management of activities and personnel. Describes the judicial system and the nature and sources of law affecting business. Studies contracts, sales contracts with emphasis on Uniform Commercial Code Applications, remedies for breach of contract and tort liabilities. Examines legal aspects of property ownership, structures of business ownership, and agency relationships.

Accounting Fundamentals

Length of Course: 2 semester course; 2 semesters required

Prerequisite: Principles of Business Management

Credit: 1 per semester, 2 credits maximum

A directed elective or elective for all diplomas

Accounting Fundamentals introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

Advanced Accounting

Length of Course: 2 semesters

Prerequisites: Beginning Accounting

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course is a continuation of Beginning Accounting with emphasis placed more on departmental and payroll accounting, partnership and corporate accounting, control systems and cost accounting. Advanced accounting will also expose the student to more career possibilities and additional computerized accounting opportunities. This course is also recommended for students who are planning a business major in college.

Computer Science Department

7351 Topics in Computer Science

TOP COMP SCI

Topics in Computer Science is designed for students to investigate emerging disciplines within the field of computer science. Students will use foundational knowledge from 7183 Principles of Computing to study the areas of data science, artificial intelligence, app/game development, and security. Students will utilize knowledge related to these areas and programming skills to develop solutions to authentic problems.

- Recommended Grade(s): 10, 11, 12
- Required Prerequisites: Principles of Computing
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

7352 Computer Science

COMP SCI

Computer Science introduces the fundamental concepts of procedural programming. Topics include data types, control structures, functions, arrays, files, and the mechanics of running, testing, and debugging. The course also offers an introduction to the historical and social context of computing and an overview of computer science as a discipline

- Recommended Grade(s): 11, 12
- Required Prerequisites: Principles of Computing
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- The AP Computer Science A curriculum may be used to complete the competencies required for this course.

7353 Computer Science Capstone

COMP SCI CAP

Computer Science Capstone provides a working understanding of the fundamentals of procedural and object-oriented program development using structured, modular concepts and modern object-oriented programming languages. Reviews control structures, functions, data types, variables, arrays, and data file access methods. The course is a second level computer science course introducing object oriented computer programming, using a language such as Java or C++. Object-oriented concepts studied include classes, objects, inheritance, polymorphism, operator overloading, exception handling, recursion, abstract data types, streams and file I/O. Students will explore programming concepts such as software reuse, data abstraction and event-driven programming.

- Recommended Grade(s): 12
- Required Prerequisites: Principles of Computing; Topics in Computer Science; Computer Science
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas

Engineering Department

4802 Introduction to Engineering Design

INT ENG DES

Introduction to Engineering Design is a fundamental pre-engineering course where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook. Students begin with completing structured activities and move to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Ethical issues related to professional practice and product development are also presented. NOTE: This course aligns with the PLTW Introduction to Engineering Design curriculum. Use of the PLTW curriculum may require additional training and membership in the PLTW network.

- Recommended Grade(s): 9, 10, 11
- Required Prerequisites: none
- Recommended Prerequisites: none
- Credits: 2 semester course, 2 semesters required, 1 credit per semester, 2 credits maximum
- Counts as a directed elective or elective for all diplomas
- NOTE: Schools that have agreed to be part of the Project Lead the Way network must follow all training and data collection requirements.

English Department

English 9

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grade: 9

A Standard, Core 40, and Technical and Academic Honors Diploma Course

This course includes the study of grammar, usage, composition, and literature. The basic principles of grammar and usage are reviewed, including parts of speech, parts of a sentence, and structure. Composition instruction includes prewriting, drafting, revising, and editing skills as well as paragraph development. Narrative, expository, and persuasive writing are explored. Instruction in literature includes the short story, drama, poetry, and the epic.

English 10

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grade: 10

A Standard, Core 40 Technical and Academic Honors Diploma Course

This course includes the study of speech, composition, grammar and usage, and literature. Speech instruction focuses on voice training, language and presentation, as well as the preparation of speeches to inform, demonstrate, persuade, introduce, and critique. Grammar instruction includes frequent mini-lessons in traditional grammar and usage. Instruction in composition centers on the writing process and effective revision strategies and includes the study of persuasive, narrative, and critical writing techniques. The study of literature includes the short story, drama, poem, and novel, with special emphasis on contemporary novels. Vocabulary development through the study of etymology is stressed.

English 11 – Applied

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grade: 11

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course is designed to help students develop and refine practical communication skills. Students will study conversation skills and job interview techniques along with formal speech situations. Grammar and usage work will center on those skills crucial to the writing and speaking of standard English. In literature, students will explore modern American novels, dramas, and poetry. Composition work in writing summaries, reports, memos, letters, and essays will be emphasized.

English 11 – College

Length of Course: 2 semesters

Prerequisites: English 10

Credit: 1 per semester

Offered to Grade: 11

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course includes the study of composition, grammar and usage, and literature, emphasizing those skills needed to prepare for college work. Composition instruction centers on essay writing, especially persuasive essays and researched essays using the basics of MLA style. Literature instruction consists of a survey of American literature from the colonial period to the

present. Special emphasis is placed on the study of classic and contemporary American novels, biography, and drama.

English 12 – Applied

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grade: 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course will aid students in developing and improving communication skills needed in the workplace. Special emphasis is placed on career-related reading, writing, listening, speaking, problem-solving, and non-verbal communication skills. Literature-based readings used during the course help instill in students a life-long appreciation of reading in daily life.

English 12 – College

Length of Course: 2 semesters

Prerequisites: English 11

Credit: 1 per semester

Offered to Grade: 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course includes the study of composition, grammar and usage, and literature, emphasizing those skills needed to prepare for college work. Composition instruction centers on writing expository essays of various types, composing a lengthy research paper, and responding to literature. Clear, concise style and Standard English usage are emphasized. Readings in literature include a study of classics. Critical thinking skills in reading and writing are emphasized.

Student Media

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9, 10, 11, 12

Counts as a Directed Elective or Elective for all diplomas. Fulfills the Fine Arts requirement for the Core 40 with Academic Honors.

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

high school media staff so that they may prepare themselves for career paths in journalism, communications, writing, or related fields.

Developmental Reading

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9, 10, 11, 12

Counts as an elective for all diplomas

Developmental Reading is a supplemental course that provides students with individualized instruction designed to support success in completing coursework aligned with the Indiana Academic Standards for English/Language Arts focusing on the Reading Standards for Literature and Nonfiction. All students should be concurrently enrolled in an English course in which class work will address all of the Indiana Academic Standards. This course allows for successive semesters of instruction for students who need additional support in vocabulary development and reading comprehension.

Film Literature

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 10, 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Film Literature, a course based on the Indiana Academic 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.

Speech

Length of Course: 1 semester

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Speech, a course based on the Indiana Academic Standards for English/Language Arts, 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 multimedia 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.

Fine Arts Department

Beginning Chorus

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking this course will learn to sing together as a group in a performance setting. Students will have the opportunity to perform at Solo and Ensemble Contest and are required to perform in school concerts. Students may also volunteer to sing solos for various assemblies. The chorus may be composed of male and/or female students. Activities in this class include solos, basic theory, creating, performing, learning various composers, and evaluating different types of music. Students have the opportunity to experience live performances.

Beginning Concert Band

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking this course will continue to play an instrument that they have learned with the possibility of learning other instruments. Students will work together as a group in a performance setting. Students have the opportunity to perform at Solo and Ensemble Contest and are required to perform in school concerts. Students will improve on technical skills, intonation, music reading skills, and listening skills. Students have the opportunity to experience live performances.

Intermediate Chorus

Length of Course: 2 semesters

Prerequisites: Beginning Chorus

Credit: 1 per semester

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Intermediate 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.

Intermediate Concert Band

Length of Course: 2 semesters

Prerequisites: Beginning Concert Band

Credit: 1 per semester

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and 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.

Advanced Chorus

Length of Course: 2 semesters

Prerequisites: Beginning/Intermediate Chorus

Credit: 1 per semester

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Intermediate Chorus is based on the Indiana Academic Standards for High School Choral Music. Students taking Intermediate 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.

Advanced Concert Band

Length of Course: 2 semesters

Prerequisites: Beginning/Intermediate Concert Band

Credit: 1 per semester

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Intermediate Concert Band is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Ensemble and solo activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines. Students study a varied repertoire of developmentally appropriate concert band literature and 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.

Music History and Appreciation

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades 9-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students taking this course will explore music styles in various periods in history. Activities include: (1) a timeline that includes musical periods, art, and historical events in the world, (2) listening to and describing music, (3) listening to and identifying types of music in different periods, and (4) studying various composers.

Introduction to Two-Dimensional Art

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students will examine historical works of art from prehistoric to modern eras. They will look at how art serves man's endless need to understand and explain his place in the universe as well as his place in society. Students will create works in various two-dimensional media and keep their best works in a portfolio as a record of growth and development as an artist. This portfolio will also include a journal as a written record of their self-examination so they may evaluate their progress over time. They will share their experiences and insights at regular intervals. Students will learn about career options and identify ways to utilize and support art museums, galleries, studios, and community resources.

Advanced Two-Dimensional Art

Length of Course: 1 semester

Prerequisites: Introduction to Two-Dimensional Art Recommended

Credit: 1

Offered to Grades: 9-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students in Advanced Two-Dimensional Art build on the sequential learning experiences of Introduction to Two-Dimensional Art. Students will research and explore art history in depth.

They will also examine current trends and directions of modern art in society and engage in philosophical inquiry into aesthetic issues. Students will produce works in a variety of two-dimensional media. They will brainstorm solutions to aesthetic questions and seek variety and freshness in their creative work. Through art criticism, students will identify strengths and weaknesses in their own work. They will discern and describe ways in which the design elements and principles have been used in order to create judgments about their works and the works of others.

Art History

Length of Course: 1 semester

Prerequisites: Introduction to Two-Dimensional Art and Advanced Two-Dimensional Art

Credit: 1

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students will be asked to observe and compare historical works, as art is a lens that enables us to see how different people, ideas, and activities have been celebrated in different societies at different times. Students will search for meaning and significance through a study of cultural and historical foundations of world art, which include beliefs, ideas, and values as reflected in works of art. Students will classify major styles of art and artists, and develop a foundation for understanding the historical progression of art. Students will analyze common characteristics and interpretations across time and cultures and formulate interpretations of the work. Students will analyze and discuss the similarities and differences of artistic expression throughout history. They will research, describe, and interpret master works of art and artifacts. They will report these findings individually and will also be asked to work in groups. Using their own personal creative expression, they will produce works related to specific historical periods. They will also apply the principles of aesthetics and art criticism to their artworks and describe how they are used in the works of others.

Introduction to Three-Dimensional Art

Length of Course: 1 semester

Prerequisites: Intro to 2D

Credit: 1

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Students will be asked to explore and research information about important three-dimensional artwork from the past and modern times. They will be asked to work both individually and in groups. Results of their research will be reported with written and oral assignments. Students

will produce three-dimensional works of their own, using various media. They will evaluate their works and describe ways in which the design elements and principles were utilized in these and the works of others.

Advanced to Three-Dimensional Art

Length of Course: 1 semester

Prerequisites: Intro 3D

Credit: 1

Offered to Grades: 10-12

Counts as a Directed Elective or Elective for all diplomas Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma • Fulfills a Fine Arts requirement for the Core 40 Academic Honors Diploma

Advanced Three-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 Three-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 three-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.

Foreign Language Department

Spanish I

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

The primary emphasis in Spanish I is to learn the basic use of Spanish words, grammar, & culture. Students are taught by using learning tools such as the use of words in a verbal conversation, audio comprehension/listening skills, and reading & writing exercises. Speaking skills are developed by listening and repeating after instructor use or audio recordings. As students become more familiar with the Spanish language, the class will progress to more advanced exercises. Upon completion of each chapter, students will be able to communicate in Spanish in a real-life situation. The high-frequency, productive vocabulary presented at the beginning of the chapter focuses on a specific communicative topic (such as a school, the beach, an athletic field, a clothing store, etc) and covers key situations where students would have to use Spanish to survive. Students will be able to put their new vocabulary together with proper Spanish grammar to communicate effectively.

Spanish II

Length of Course: 2 semesters

Prerequisites: Completion of Spanish I

Credit: 1 per semester

Offered to Grades: 10-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

The primary emphasis in Spanish II is to build upon the lessons learned in Spanish I and further develop the understanding of the Spanish language. Spanish II uses more complex words, grammar, and culture than previously experienced in Spanish I. Students use verbal conversation, audio comprehension/listening skills, and reading & writing exercises to enhance their ability to communicate in Spanish. Upon completion of each chapter, students will be able to communicate in Spanish in a real-life situation. The high-frequency, productive vocabulary presented at the beginning of the chapter focuses on a specific communicative topic (such as in a medical emergency, a restaurant, a hotel, a train station, etc) and covers key situations where students would have to use Spanish to survive. Students will be able to put their new vocabulary together with proper Spanish grammar to communicate effectively.

Spanish III

Length of Course: 2 semesters

Prerequisites: Completion of Spanish II

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40 Technical and Academic Honors Diploma Course

Spanish III will expose students, in a more in-depth way, to the geography, history, and rich cultures of the many countries of the Spanish-speaking world. Students will be introduced to higher level up-to-date vocabulary necessary to communicate and function in today's ever-changing world. Students will read newspaper and magazine articles from Spain and Latin America and will be introduced to the works of some of the major writers of the Spanish-speaking world. At all times, the primary focus will be to increase the student's ability to communicate in Spanish with ease and confidence.

Spanish IV

Length of Course: 2 semesters

Prerequisites: Completion of Spanish III

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40 Technical and Academic Honors Diploma Course

Spanish IV provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom.

The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Additionally, students will continue to develop an understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of target culture and the student's own culture. This course further emphasizes making connections across content areas through the design of activities and materials that integrate the target language and culture with concepts and skills from other content areas. The use and influence of the Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native Spanish speakers.

Health and Physical Education Department

Physical Education I

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grade: 9

A Standard, Core 40, Technical and Academic Honors Diploma Course

Physical Education I is a one-semester course required of all 9th grade students. The students will do individual activities, lifetime sports, team sports, and co-educational activities. Student evaluation will be based on participation in class, skill development and improvement, proficiency in knowledge or rules and regulations of the sports or activities. The students will participate in the following areas: health-related fitness activities, weight lifting, team sports, individual and dual sports, and recreational games. Ongoing assessment includes both written and performance-based skill evaluations.

Elective Physical Education

Length of Course: 2 semesters

Prerequisites: Physical Education I

Credit: 1 per semester

Offered to Grades: 10-12

Elective Physical Education promotes lifetime sport and recreational activities and provides an opportunity for an in-depth study in specific areas. A minimum of two of the following activities should be included: (1) health-related fitness activities (cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) team sports, (3) individual or dual sports, (4) aquatics and, (5) outdoor pursuits. 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.

Current Health Issues

Length of Course: 1 semester

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

Counts as an Elective requirement for all diplomas

Current Health Issues, an elective course that can be aligned to Indiana's Academic Standards for Health & Wellness, focuses on specific health issues and/or emerging trends in health and wellness, but not limited to: personal health and wellness; non-communicable and communicable diseases; nutrition; mental and emotional health; tobacco-prevention; alcohol and other drug-prevention; human development and family health; health care and/or medical treatments; and national and/or international health issues. 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.

Health and Wellness

Length of Course: 1 semester

Prerequisites: Recommended 8th grade health education

Credit: 1 per semester

Offered to Grades: 9-12

Fulfills the Health & Wellness requirement for all diploma types

Health & Wellness, a course based on Indiana's Academic Standards for Health & Wellness and 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, and 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.

Math Department

Algebra LAB

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

A Standard and Core 40 Diploma Course

Algebra Enrichment is a mathematics support course for Algebra 1. 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 algebra Enrichment align with the critical areas of Algebra 1: Relationships between Quantities and Reasoning with Equations; Linear and Exponential Relationships; Descriptive Statistics; Expressions and Equations; and Quadratic Functions and Modeling. However, whereas Algebra 1 contains exclusively grade-level content, Algebra Enrichment combines standards from high school courses with foundational standards from the middle grades.

Algebra LAB is designed as a support course for Algebra. As such, a student taking Algebra LAB must also be enrolled in Algebra 1 during the same academic year.

Algebra I

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, and (6) nonlinear equations.

Geometry

Length of Course: 2 semesters

Prerequisites: Algebra I

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course provides the second year of mathematics required by colleges before students may enter. The course is also recommended for non-college-bound students who have the ability or may need a background in geometry for vocational purposes. Care is taken to introduce the student to the concept of mathematical proof. The student will find that proof will be used daily throughout the remainder of the year. Topics under study include: congruence, similarity, reasoning, lines, congruent triangles, properties of triangles, right triangles, polygons, quadrilaterals, circles, and planar and spatial measurements.

Algebra II

Length of Course: 2 semesters

Prerequisites: Geometry

Credit: 1 per semester

Offered to Grades: 10-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Algebra II reviews the Algebra I concepts as most students have had geometry the year between Algebra I and II. Algebra II introduces algebraic proofs, which are similar to proofs in geometry. The first half reviews the properties of real numbers and introduces complex numbers and conic sections. The second half stresses relations and functions (linear, quadratic, exponential, logarithmic, and trigonometric), sequences, series, the counting principles, and probability.

Pre-Calculus

Length of Course: 2 semesters

Prerequisites: Algebra II

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Pre-Calculus gives students the opportunity to strengthen algebraic concepts by using them. It includes a review of inequalities and absolute values, trigonometric and logarithmic functions, analytic geometry, vector properties, series and sequences. Polar coordinates and complex numbers are reinforced along with data analysis. The concept of the limit process is introduced and the derived function is defined and applied.

Calculus

Length of Course: 2 semesters

Prerequisites: Pre-Calculus

Credit: 1 per semester

Offered to Grade: 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Calculus is a course that provides students with advanced mathematical concepts. Topics include: (1) limits and continuity, (2) differential calculus, (3) applications of derivatives, (4) integral calculus, and (5) applications of integration. The use of graphing technology is required.

Probability and Statistics

Length of Course: 2 semesters

Prerequisites: Algebra II

Credit: 1 per semester

Offered to Grade: 11,12

A Standard, Core 40, Technical and Academic Honors Diploma Course

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

Multidisciplinary

Basic Skills Development

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

Basic Skills Development is a multidisciplinary course which provides students continuing opportunities to develop the basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) mathematical computation, (6) note-taking, (7) study and organizational skills, and (8) problem-solving skills that are essential for high school course work achievement. Determination of the skills to be emphasized in this course is based on the Indiana State proficiencies, individual school corporation general curriculum plans, and student Individualized Education Programs (IEP). Skills selected for developmental work provide students with the ability to continue to learn in a range of different life situations.

Science Department

Biology I

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Biology I provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and opportunities to: (1) gain an understanding of the history of the development of biological knowledge, (2) explore the uses of biology in various careers, and (3) investigate biological questions and problems related to personal needs and social issues. This course includes the major content areas in a planned, sequential, comprehensive biology education curriculum as expressed in the Indiana Academic Standards Biology I Education Guide: (1) Molecules and Cells, (2) Developmental and Organismal Biology, (3) Genetics, (4) Evolution, (5) Ecology, and (6) Historical Perspectives of Biology.

Integrated Chemistry-Physics

Length of Course: 2 semesters

Recommended Prerequisites: Algebra 1

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Integrated Chemistry-Physics is a laboratory-based course in which students explore fundamental chemistry and physics principles. Students enrolled in this course examine, through the process of scientific inquiry, the structure and properties of matter, chemical reactions, forces, motion, and the interactions between energy and matter. Working in a laboratory environment, students investigate the basics of chemistry and physics in solving real-world problems that may have personal or social consequences beyond the classroom.

Biology 2

Length of Course: 2 semesters

Prerequisites: Biology I, Chemistry I

Credit: 1 per semester

Offered to Grades: 11-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Biology, Advanced Placement is a course based on the content established by the College Board. Topics include: (1) molecules and cells: chemistry of life, cells, cellular energetics; (2) heredity and evolution: heredity, molecular genetics, evolutionary biology; and (3) organisms and populations: diversity of organisms, structure and function of plants and animals, ecology. The major themes of the course include: science as a process, evolution, energy transfer, continuity and change, relationship of structure to function, regulation, interdependence in nature and science, technology, and society.

Anatomy and Physiology

Length of Course: 2 semesters

Prerequisites: Biology I, Chemistry I

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, and Academic Honors Diploma Course

Biology II, Anatomy and Physiology provides an in-depth investigation of the specialized biological discipline of human anatomy and physiology. Human anatomy and physiology is an in-depth study of the application of biological and biochemical concepts and principles to understand the organization and function of the human body. Study of the cells, tissues and organs of the body is based in the interrelationships of organ systems and the complementarities of structure and function in the maintenance of homeostasis.

Chemistry I

Length of Course: 2 semesters

Prerequisites: Biology I, Algebra I

Credit: 1 per semester

Offered to Grades: 10-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) investigate chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety. There is an extensive math component of this course and a strong math foundation is suggested.

Chemistry II

Length of Course: 2 semesters

Prerequisites: Chemistry I, Geometry Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Chemistry II, General provides for extended laboratory and literature investigations of the chemical reactions of matter in living and nonliving materials. This course stresses the unifying themes of chemistry, the development of physical and mathematical models of matter and its interactions, and the methods of scientific inquiry. There is a laboratory component to this class. A strong math foundation is suggested.

Physics I

Length of Course: 2 semesters

Prerequisites: Algebra II ("C" or better)

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Physics I aids students in synthesizing the fundamental concepts and principles concerning matter and energy through the laboratory study of mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics. Students have opportunities to: (1) acquire an awareness of the history of physics and its role in the birth of technology, (2) explore the uses of its models, theories, and laws in various careers, and (3) investigate physics questions and problems related to personal needs and social issues.

Environmental Science, Advanced

Length of Course: 2 semesters

Prerequisites: 2 Years of Core 40 Science

Credit 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

Environmental Science, Advanced is interdisciplinary by nature integrating biology, earth science, chemistry, and other disciplines. This course is designed to challenge students through an in-depth scientific study of ecosystems, population dynamics, resource management, and environmental consequences of natural and anthropogenic processes. Students will formulate, design, and carry out laboratory and field investigations as an essential course component. Ultimately, the goal of this course is to provide students with essential tools for understanding the complexities of environmental systems.

Social Studies Department

Geography and History of the World

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course involves a comprehensive study of many aspects of geography to better understand modern world events. The social, political, cultural, and physical aspects of world geography and the inter-relationships of these factors are examined. Students use maps, graphs, textbooks, and technology to explore various countries and regions. The five themes of geography (location, place, human/environment interaction, movement) and the six elements of National Geography Standards (the world in spatial terms, places and regions, physical systems, human systems, environment and society, and the uses of geography) are explored.

World History

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 9-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

In this course, students will trace the history and cultural development of the world's great civilizations from ancient to modern times. The course emphasizes events and developments in the past that greatly affected large numbers of people across broad areas of the earth and that significantly influenced peoples and places in subsequent eras. Students are expected to practice skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, research, issue-analysis, and decision-making. Finally, students are expected to apply content knowledge to the practice of thinking an inquiry skills and processes.

Current Issues (Current Problems, Issues and Events)

Length of Course: 1 semester (can be repeated if course content changes)

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 10-12

A Standard, Core 40, Technical and Academic Honors Diploma Course

In this course, students will have the opportunity to apply techniques of investigative and inquiry to the study of significant problems or issues. Students develop competence in: (1) recognizing cause and effect relationships, (2) reorganizing 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 should have contemporary historical significance and should be studied from the viewpoint of the social science disciplines. Community service programs, such as internships of other service experiences within the community, might be included.

United States History

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 11

A Standard, Core 40, Technical and Academic Honors Diploma Course

United States History is a two-semester course that builds upon concepts developed in previous studies of American history. This course includes time periods from 1492 to the present. The first quarter will cover the developmental history from exploration through the election of 1848. The second quarter will cover approximately from the Compromise of 1850 through the Election of 1896. The third quarter will cover the Progressive Movement through the Great Depression. The fourth quarter will cover World War II through modern times. Students are expected to trace and analyze chronological periods and examine the relationship of significant themes and concepts in United States history. They are expected to develop skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis, interpretation, and research that uses primary and secondary sources found at local, state, and federal historical sites, libraries, and electronic sources. The students will exercise their skills as citizens in a democratic society by engaging in problem solving and decision-making in the classroom and school.

Psychology

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course provides an overview of the scientific study of behavior and mental processes. Specific topics include: The scientific method, emotional development, physical development, social and moral development, personality, mental health, conformity, perception, sensation, and nervous system functions. Students explore these topics through the use of primary and secondary sources, technology and field trips.

Sociology

Length of Course: 2 semesters

Prerequisites: None

Credit: 1 per semester

Offered to Grades: 11, 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course explains sociology as the study of human society, including both social action and social organization. The five key concepts in sociology are social structure, social action, functional integration, power, and culture. Specific topics include the family, religion, education,

and the criminal justice system. Students explore these topics through the use of primary and secondary sources, technology and field trips.

United States Government

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grade: 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course is designed to introduce students to political actions and the responsibilities of citizenship. Time is spent learning the foundations of the Constitution and the three branches of government. The study of current political situations and comparative political systems are integrated into this course. Students inquire about government through primary and secondary sources and articulate, evaluate, and defend positions on political issues with sound reasoning and evidence.

Economics

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grade: 12

A Standard, Core 40, Technical and Academic Honors Diploma Course

This course is designed to introduce the student to the concept that scarce resources are used to satisfy human needs. Key elements of the course include economic reasoning, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization and trade, and comparative economic systems. The student will also be introduced to practical financial situations they will face after high school.

Ethnic Studies

Length of Course: 1 semester

Prerequisites: None

Credit: 1

Offered to Grade: 9-12

Counts as an Elective for all diplomas

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.

Dual Credit Courses

Some advanced level courses are taught as dual credits at LaCrosse High School. Through an articulation agreement with Purdue Northwest and Ivy Tech, students may take the class for college and high school credit. Any advanced level courses not offered at LaCrosse High School may be taken at Purdue Northwest and Ivy Tech for college and high school credit. Inquire with the guidance counselor for further details.

Vocational Courses

A variety of vocational courses are offered through the A.K. Smith Career Center in Michigan City. These courses are available to LaCrosse Juniors and Seniors. Here is a list of the following programs offered:

- Automotive Technology
- Career Skills
- Construction Technology
- Cosmetology
- Criminal Justice
- Culinary Academy
- Energy Academy
- Fire Science
- Health Academy
- Modern Machine Technology
- Welding Technology
- Education Professions
- Emergency Medical Technician (EMT)

On-Line Courses (PLATO)

Some courses not offered in the daily schedule at La Crosse High School may be offered through PLATO, an on-line program. This program enables the students to take courses not offered in the daily schedule or repeat a class the individual was not successful in the first time around.