

Plymouth High School Course Description Guide

2012 - 2013

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The Plymouth High School faculty and staff are pleased to present our course offerings for 2012-2013 school year. This guide will be of invaluable assistance to you in planning your academic program for this year and for the rest of your high school career. Please take the time to read through the guide carefully, noting specific course descriptions, prerequisites, and recommended grade levels.

We encourage you and your parents/guardians to discuss your course selections thoroughly before your Annual Guidance Review with your counselor. Parents/Guardians are always welcome to come in and meet with counselors as well. Please feel free to contact the counseling office at (574) 936-2178 if you have questions or concerns regarding the curriculum, your academic placement in courses, or your high school program.

For your convenience counselor names with e-mail addresses and student assignments are listed below:

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Students A---F

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Students N---Z

CORE 40: PHS Diploma Requirement

The Core 40 Diploma is a list of requirements established by the State School Board. This diploma is required for students seeking admission to an Indiana institution for post-secondary education.

English/Language Arts	9 credits English 9, 10, 11, and 12 plus Speech
Mathematics	6 credits 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>*STUDENTS IN THE CLASSES OF 2015, 2014, 2013 ARE REQUIRED TO TAKE A MATH OR PHYSICS COURSE DURING THEIR JUNIOR OR SENIOR YEAR.</i> <i>*STUDENTS IN THE CLASSES OF 2016 MUST EARN 6 MATH CREDITS WHILE IN HIGH SCHOOL & MUST BE ENROLLED IN A MATH OR QUANTITATIVE REASONING COURSE EACH YEAR OF HIGH SCHOOL.</i>
Science	6 credits 2 credits: Biology I 2 credits: Integrated Chemistry/Physics, OR Chemistry I CP, OR Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: World History/Civilization or Geography/History of the World 2 credits: US History 1 credit: US Government 1 credit: Economics
Directed Electives	5 credits World Languages: French or Spanish Fine Arts: Music, Drama, Art Career/Technical: a logical sequence from a technical or career area
Physical Education	2 credits 1 credit: PE I (1 trimester) 1 credit: PE II (1 trimester)
Health and Wellness	1 credit
Elective Courses	7 credits Any additional courses
TOTAL	42 CREDITS
STATE TESTS	All students must pass ECA in English 10 and Algebra I; They will also take an ECA in Biology I.

ALL REQUIREMENTS MUST BE COMPLETED BEFORE A STUDENT MAY PARTICIPATE IN THE COMMENCEMENT PROGRAM AND RECEIVE A DIPLOMA.

CORE 40: with ACADEMIC HONORS

The Core 40 with Academic Honors Diploma is the most rigorous course of study required by the state of Indiana for high school graduation. Students earning this diploma must complete requirements above and beyond those required for the Core 40 diploma.

English/Language Arts	9 credits English 9, 10, 11, and 12 plus Speech
Mathematics	8 credits 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II 2 credits: Pre-Calculus <i>*STUDENTS IN THE CLASSES OF 2015, 2014, 2013 ARE REQUIRED TO TAKE A MATH OR PHYSICS COURSE DURING THEIR JUNIOR OR SENIOR YEAR.</i> <i>*STUDENTS IN THE CLASSES OF 2016 MUST EARN 6 MATH CREDITS WHILE IN HIGH SCHOOL & MUST BE ENROLLED IN A MATH OR QUANTITATIVE REASONING COURSE EACH YEAR OF HIGH SCHOOL.</i>
Science	6 credits 2 credits: Biology I 2 credits: Integrated Chemistry/Physics, OR Chemistry I CP, OR Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: World History/Civilization OR Geography/History of the World 2 credits: US History 1 credit: US Government 1 credit: Economics
World Languages	6 -8 credits 6 credits of one language OR eight credits of two different languages
Fine Arts	2 credits Art, Music, Drama
Physical Education	2 credits 1 credit: PE I (1 trimester) AND 1 credit: PE II (1 trimester)
Health and Wellness	1 credit
Elective Courses	5 – 10 credits – depending on Math and World Language options. Any additional courses – Career Academic Sequence Recommended
Other Requirements	Earn a grade of “C-” or above in all required courses, and Have a grade point average of “B” or above, and Complete ONE of the following: <ul style="list-style-type: none"> - Two Advanced Placement courses and corresponding AP exams - Academic, transferable dual credit high school/college courses resulting in 6 college credits - One Advanced Placement course and corresponding AP exam and academic transferable dual high school/college course(s) resulting in 3 college credits - Classes of 2015, 2014, 2013 - Score a 1200 or higher combined SAT Critical Reading and Math; Class of 2016 – Score a 1750 or higher combined SAT Critical Reading/Math/Writing with a minimum of 530 on each section - Score a 26 ACT composite – Class of 2016 MUST complete the written portion of the ACT
TOTAL	47 CREDITS
STATE TESTS	All students must pass ECA in English 10 and Algebra I; They will also take an ECA in Biology I.

ALL REQUIREMENTS MUST BE COMPLETED BEFORE A STUDENT MAY PARTICIPATE IN THE COMMENCEMENT PROGRAM AND RECEIVE A DIPLOMA.

CORE 40: with TECHNICAL HONORS

The Core 40 with Technical Honors Diploma is the most rigorous course of study, both academically and technically, required by the state of Indiana for high school graduation. Students earning this diploma must complete requirements above and beyond those required for the Core 40 Diploma

English/Language Arts	9 credits English 9, 10, 11, and 12 plus Speech
Mathematics	6 credits 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>*STUDENTS IN THE CLASSES OF 2015, 2014, 2013 ARE REQUIRED TO TAKE A MATH OR PHYSICS COURSE DURING THEIR JUNIOR OR SENIOR YEAR.</i> <i>*STUDENTS IN THE CLASSES OF 2016 MUST EARN 6 MATH CREDITS WHILE IN HIGH SCHOOL & MUST BE ENROLLED IN A MATH OR QUANTITATIVE REASONING COURSE EACH YEAR OF HIGH SCHOOL.</i>
Science	6 credits 2 credits: Biology I 2 credits: Integrated Chemistry/Physics, OR Chemistry I CP, OR Physics 2 credits: any Core 40 science course
Social Studies	6 credits 2 credits: World History/Civilization or Geography/History of the World 2 credits: US History 1 credit: US Government; 1 credit: Economics
Physical Education	2 credits 1 credit: PE I (1 trimester) AND 1 credit: PE II (1 trimester)
Health and Wellness	1 credit
Classes of 2015, 2014, 2013: Career Technical Program Class of 2016: College & Career Pathway	Classes of 2015, 2014, 2013: 8 – 10 credits; Class of 2016: 6 credits
Electives	Classes of 2015, 2014, 2013: 7 – 9 credits; Class of 2016: 11 credits
Other Requirements	Earn a grade of “C-” or above in all required courses, and Have a grade point average of “B” or above, and Classes of 2015, 2014, 2013 must complete <u>two</u> of the following, one must be A or B: A. Score at or above the following levels on WorkKeys: Reading for Information - Level 6; Applied Mathematics - Level 6; Locating Information - Level 5 B. Complete dual high school/college credit courses in a technical area (6 college credits) C. Complete a Professional Career Internship course or Cooperative Education course (2 credits) D. Complete an industry-based work experience as part of two-year technical education program (minimum 140 hours) E. Earn a state-approved, industry-recognized certification Class of 2016 must complete <u>one</u> of the following: A. Pathway designated industry-based certification or credential B. Pathway designated dual high school & college credit courses resulting in six (6) transcribed college credits AND <u>two</u> of the following: A. Any of the options listed under “other requirements” for the Academic Honors Diploma B. Earn the following minimum scores on WorkKeys: Reading for Information: Level 6 Applied Mathematics: Level 6 Locating Information: Level 5 C. Earn the following minimum score on Accuplacer: Writing: 80

	Reading: 80 Math: 75 D. Earn the following minimum score on Compass: Algebra: 66 Writing: 70 Reading: 80
TOTAL	47 CREDITS
STATE TESTS	All students must pass ECA in English 10 and Algebra I; They will also take an ECA in Biology I.

ALL REQUIREMENTS MUST BE COMPLETED BEFORE A STUDENT MAY PARTICIPATE IN THE COMMENCEMENT PROGRAM AND RECEIVE A DIPLOMA.

Home Room

Home Room is assigned by grade and alphabet. It meets on Mondays during third period. During this time students will work on meeting School Improvement Plan goals, such as vocabulary instruction and will have the opportunity to meet with administration, counselors, and others.

Student Resource Time (SRT)

The PHS academic departments organize SRT's. Students select their SRT from the following choices: Art/Theater/Choir, Business, English, Family and Consumer Science, Foreign Language, General, Health and Physical Education, Mathematics, Science, Social Studies, Speech, and Industrial Technology/Agriculture.

SRT meets Tuesdays, Wednesdays, and Thursdays during third period. During this time students have opportunities in the following areas:

Educational Remediation

- **Tutoring/Remediation (Students who are failing a course may be required to attend SRT with a teacher of that subject matter - Educational remediation takes priority over other scheduled activities)**
- **Make-up Tests and Quizzes**
- **Group Projects**

Educational Enrichments

- **Guest speakers**
 - **Military and college visitation**
 - **Club meetings**
 - **Convocations**
- (Most of these activities are voluntary)**

Philanthropic Activities

- **Service projects**
- **Tutoring**
- **Fund raising**

SUMMER SCHOOL

**Make up failed
courses!**



**Why Take
Summer
School?**

**Get Ahead—Make
time to take an extra
class in the fall.**

Daily from 8:00 a.m. to 12:00 p.m. for 8 weeks

Courses traditionally offered are:

Geometry (62021 – 62022)

U. S. History (83011-83012)

U. S. Government (84016): classroom or on-line

Economics (84026) – classroom or on-line

English 9-11 (31011 – 31012, 32011 – 32012, 33021 – 33022)

* English courses offered during Summer School are on a credit recovery basis only

ATTENDANCE POLICY:

Each student is obligated to attend each scheduled class. Vacations and camps should not be scheduled during summer school. A student will be dropped from the class if he/she is absent more than two times per session. Three tardies are equal to one absence.

AGRICULTURE

FUNDAMENTALS OF AGRICULTURAL SCIENCE AND BUSINESS A/B (55011-55012)

2 Trimesters - 2 Credits

Grade Level: 9-12

Elective

Prerequisite: None

Fundamentals of Agricultural Science and Business is a yearlong course that is highly recommended as a prerequisite and foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to careers and the fundamentals of agricultural science and business. Areas to be covered include: agricultural literacy, its importance and career opportunities, plant and soil science, environmental science, horticulture and landscape management, agricultural biotechnology, agricultural science and business tools and equipment, basic principles of and employability in the agricultural/horticultural industry, basic agribusiness principles and skills, developing leadership skills in agriculture, and supervised experience in agriculture/horticulture purposes and procedures. Student learning objectives are defined. Instruction includes not only agriculture education standards but many academic standards are included through the use of “hands-on” problem-solving individual and team activities.

This course qualifies for the Core 40, the Core 40 with Academic Honors, and the Core 40 with Technical Honors diplomas as an elective and as a directed elective course. It is also recognized as a Career Academic Sequence, Career Technical program, or Flex Credit Course. This course is included as a component of the Agriculture, Food and Natural resources career cluster and may also be included as a component of the Building & Construction; Business, Management & Finance; Arts, A/V Technology & communications; Health Services; and Science, Engineering & Information Technology career clusters.

HORTICULTURAL SCIENCE A/B (57031-57032)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Fundamentals of Agricultural Science and Business

*Credits from these courses may be counted as two credits of the Core 40 Science requirement

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, introduction to landscaping, floriculture and floral design, management practices for field and greenhouse production, interior plantscapes, 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 outdoors.

ANIMAL SCIENCE A/B (57011-57012)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: None

Animal Science is a year long course that provides students with an overview of the field of animal science. All areas which the students study can be applied to large and small animals. Topics to be addressed include: anatomy and physiology, genetics, reproductions, nutrition, aquaculture, careers in animal science, common diseases and parasites, social and political issues related to the industry, and management practices for the care and maintenance of animals.

This course qualifies for the Core 40, the Core 40 with Academic Honors, and the Core 40 with Technical Honors diplomas as an elective and as a directed elective course. It is also recognized as a Career Academic Sequence, Career Technical program, or Flex Credit Course. This course is included as a component of the Agriculture, Food and Natural resources career cluster and may also be included as a component of the Building & Construction; Business, Management & Finance; Arts, A/V Technology & communications; Health Services; and Science, Engineering & Information Technology career clusters.

ADVANCED LIFE SCIENCE, ANIMALS A/B (57021-57022)

2 Trimesters – 2 credits

Grade Level: 11-12

Elective

Prerequisite: None

***Credits from these courses may be counted as two credits of the Core 40 Science requirement**

Advanced Life Science, Animals, is an interdisciplinary science course that integrates biology, chemistry, and microbiology in an agricultural context. Students will formulate, design, and carry out animal-based laboratory and field investigations as an essential course component. Students investigate key concepts that enable them to understand animal growth, development, and physiology as it pertains to agricultural science. This course stresses the unifying themes of both biology and chemistry as students work with concepts associated with animal taxonomy, life at the cellular level, organ systems, genetics, evolution, ecology, and historical and current issues in animal agriculture. Student completing this course will be able to apply the principles of scientific inquiry to solve problems related to biology and chemistry in highly advanced agricultural applications of animal development.

This course qualifies for the Core 40, the Core 40 with Academic Honors, and the Core 40 with Technical Honors diplomas as an elective and as a directed elective course. It is also recognized as a Career Academic Sequence, Career Technical program, or Flex Credit Course. This course is included as a component of the Agriculture, Food and Natural resources career cluster and may also be included as a component of the Building & Construction; Business, Management & Finance; Arts, A/V Technology & communications; Health Services; and Science, Engineering & Information Technology career clusters.

ADVANCED LIFE SCIENCE, PLANT AND SOIL A/B (57023-57024)

2 Trimesters – 2 credits

Grade Level: 11-12

Elective

Prerequisite: Biology I

***Credits from these courses may be counted as two credits of the Core 40 Science requirement**

Advanced Life Sciences, Plant and Soil is a standards-based, interdisciplinary science course that integrates the study of advanced biology, chemistry, and earth science in an agricultural context. Students enrolled in this course formulate, design, and implement agriculturally-based laboratory and field investigations as an essential course component. These extended laboratory and literature investigations focus on the chemical reactions of matter in living and nonliving materials while stressing the unifying themes of chemistry and the development of physical and mathematical models of matter and its interactions. Using principles of scientific inquiry, students examine the internal structures, functions, genetics, and processes of living plant organisms and their interaction with the environment. Students completing this course will be able to apply the principles of scientific inquiry to solve problems related to both biology and chemistry in the context of highly advanced agricultural applications of plants and soils.

This course qualifies for the Core 40, the Core 40 with Academic Honors, and the Core 40 with Technical Honors diplomas as an elective and as a directed elective course. It is also recognized as a Career Academic Sequence, Career Technical program, or Flex Credit Course. This course is included as a component of the Agriculture, Food and Natural resources career cluster and may also be included as a component of the Building & Construction; Business, Management & Finance; Arts, A/V Technology & communications; Health Services; and Science, Engineering & Information Technology career clusters.

ADVANCED LIFE SCIENCE, FOODS A/B (57025-57026)

2 Trimesters – 2 credits

Grade Level: 11-12

Elective

Prerequisite: Biology I and/or Chemistry

***Credits from these courses may be counted as two credits of the Core 40 Science requirement**

***Advanced Life Science, Foods*, is an interdisciplinary science course that integrates biology, chemistry, and microbiology in a food context. Students enrolled in this course formulate, design, and carry out food based laboratory and field investigations as an essential course component. Students will learn through hands on labs and activities on topics including: the human digestive system, metabolism, food additives, enzymes, fermentation, and leavening agents.**

AGRICULTURAL MECHANIZATION I A/B (56031-56032)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Fundamentals of Agricultural Science and Business

Agricultural Mechanization is a yearlong course in which students develop an understanding of the basic principles of selection, operation, maintenance, and management of agricultural equipment in concert with utilization of safety and technology. Topics covered include: small and large gas and diesel engine repair, power transfer systems including hydraulic, pneumatic and robotic systems, arc, metal fabrication such as MIG, TIG and SMAW welding, concrete, wood, metal, electricity and electronics, recirculating aquaculture systems, hydroponics systems, surveying, precision farming equipment, remote sensing technology and global positioning systems equipment, building agriculture related buildings and structures including greenhouses, tillage, planting, irrigation, spraying, grain and forage harvesting, feed and animal waste management systems, agricultural industry communications and customer relations, safety and safety resources, career opportunities in the area of agricultural mechanization and employability skills.

This course qualifies for the Core 40, the Core 40 with Academic Honors, and the Core 40 with Technical Honors diplomas as an elective and as a directed elective course. It is also recognized as a Career Academic Sequence, Career Technical program, or Flex Credit Course. This course is included as a component of the Agriculture, Food and Natural resources career cluster and may also be included as a component of the Building & Construction; Business, Management & Finance; Arts, A/V Technology & communications; Health Services; and Science, Engineering & Information Technology career clusters.

SUPERVISED AGRICULTURAL EXPERIENCE (SAE) (57041-57042)

2 Trimesters - 2 Credits

Grade Level: 9-12

Elective

Prerequisite: FFA Membership

****NOTE: This course is independent study ONLY outside of the school day. Offered ONLY: 2-3rd Trimester consecutively.***

Supervised Agricultural Experience (SAE) is designed to provide students with opportunities to gain experience in the agriculture field(s) in which they are interested. Students should experience and apply what is learned in the classroom, laboratory, and training site to real-life situations. Students work closely with their agricultural science and business teacher(s), parents, and/or employers to get the most out of their SAE program. Students will complete an FFA Proficiency to be sent for judging based on his or her SAE area.

BUSINESS & TECHNOLOGY EDUCATION

ACCOUNTING I A/B (23051-23052)

2 Trimesters - 2 Credits

Grade Level: 10-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: None

College credits are available if students complete Accounting I and Accounting II and receive an A or B grade in both courses. (see Business Technology Lab II)

Manage your money! Do you dream of someday owning a car, nice home, taking a vacation? An employer will ask a prospective employee, "What skills do you have?" If you would like good paying jobs and working conditions that are pleasant and desirable, learn the basic skills of keeping financial records. The double entry accounting system will be taught to journalize and post transactions, complete a work sheet, and create the result in financial statements to see where your money is coming from and going. Practice sets with simulated business papers for a sole proprietorship and merchandising business will be used.

ACCOUNTING II A/B (see business technology lab description)

BUSINESS AND PERSONAL LAW A/B (23031-23032)

2 Trimesters - 2 Credits

Grade Level: 10-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: None

Activities are introduced to help the student achieve an understanding of legal principles which will be useful throughout life. Among the activities, that student will participate in, will be mock trials. A field trip to the court house is another activity of the class. Students will be better equipped to recognize legal problems and to utilize professional counsel.

BUSINESS FOUNDATIONS A/B (22011-22012)

2 Trimesters - 2 Credits

Grade Level: 9-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: None

Sequencing: Does not have to be in consecutive trimesters.

Business Foundations is an introductory business course that will provide the framework for all future business courses. Trimester A will address economics, entrepreneurship, management, marketing, law, and risk management. Trimester B will focus on personal finance issues such as financial planning, income and asset protection, income and

money management, and spending and credit management. This entire course will prepare students for the roles and responsibilities of consumers, producers, entrepreneurs, and citizens.

COMPUTER APPLICATIONS, Advanced (23018)

1 Trimester - 1 Credit

Grade Level: 9-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: None

Computer Applications, Advanced is a business course that integrates computer technology, decision-making, and problem-solving skills. Areas of instruction include advanced applications and integration of a professional software suite and the use of emerging technology. Instructional strategies may include collaborative instruction, peer teaching, in-baskets, minibaskets, LAPs, school and community projects, and a school-based enterprise.

- **Recommended Grade Level: 9-12**
- **Credits: A one-credit course**

WEB DESIGN (23016)

1 Trimester - 1 Credit

Grade Level 10-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: Computer Applications I

Web Design is a skill rapidly becoming a skill needed for a four-year college education. Areas of instruction include audience analysis, hierarchy of layout and design techniques, software integration, and publishing. Learn basic HTML language to create a page from scratch in addition to using various software to manipulate graphics, create multi-media files, and create a variety of Web pages for different purposes.

ENTREPRENEURSHIP (23061)

1 Trimester – 1 Credit

Grade Level: 11-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: Marketing or Business Foundations or Accounting

Want to learn how to start your own business? Students will learn the skills needed to effectively organize, develop, create and manage their own business. Students will develop a written business plan for a business of their choice. Strategies may include a school-based enterprise, computer/technology applications, projects and simulated occupational experiences available through the BPA program.

MARKETING (23041)

1 Trimester - 1 Credit

Grade Level: 11-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: None

A service and product-oriented marketing class where students learn the basics of marketing in the area of sports, recreation, or entertainment. Interesting material will be explored as students cover the subjects of advertising, promotion, selling, pricing, and product/service management, visual merchandizing & E-commerce marketing.

What is the Vocational Business Technology Program?

The vocational Plymouth Business Technology Lab class helps trainees to refine and to integrate previously learned business skills, to become proficient with new computer technology, and to develop the ability to work cooperatively with others.

The vocational class represents a simulated office. Work stations are used to train students with activities performed by office employees found in actual businesses. A professional environment is maintained. Advisory Committee members, made up of local business professionals, provide knowledge to keep equipment and curriculum up to date.

This course provides students with opportunities to expand their business potential, prepares them for the rapidly changing business scene, helps them to build job and life management skills, develops their ability with the technology used in the business field, gives them practical on-the-job experience, and develops communication skills necessary for today's business world.

Some training students will receive: Current software applications with computers, scanners, digital and video products, Job Interviewing skills, Written and Verbal Communication, Problem-Solving training, Business English, Grooming, MOS Training, Leadership Activities, Telephone Techniques, Career Planning, Job Shadowing, and Portfolio preparation

Business Professionals of America is a co-curricular organization that is encouraged for professional leadership growth. Students will work with community projects as well as individual career skills to obtain district, state, and national recognition.

Opportunities are available for students to receive Certificates of Technical Achievement, Scholarships, and College Credit. Students are encouraged to take this class for more than one class hour per trimester, for more than one trimester per year and more than one year to receive these benefits.

BUSINESS TECHNOLOGY LAB I A/B (22071-22072)

1-2 Trimesters – 1-2 Credits

Grade Level: 10-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisite: Two trimesters or more of computer skill classes.

***College Credit available for two trimester selection**

Hands-on activities will give you confidence in refining your business and office skills. Portfolios, Mock Interviews, Career Exploration, Job Shadowing, and Dining Etiquette are a few of the popular activities. Business Professionals of America is a great way to learn leadership skills too.

Opportunities are available for students to receive Certificates of Technical Achievement, Scholarships, and College Credit. Students are encouraged to take this class for more than one trimester per year to receive these benefits.

BUSINESS TECHNOLOGY LAB II A/B

2-3 Trimesters – 4-6 Credits

Grade Level: 11-12

Core 40, Academic Honors and Technical Honors Elective

Prerequisites: Three trimesters or more of computer skill classes

Select Emphasis:

Accounting II A/B (24011-24012)

Prerequisite: Accounting I

***College credits are available for students receiving a “B” or better grade in both Accounting I and Accounting II.**

Careers and opportunities with a bright future! There will be strong emphasis on partnership and corporation accounting procedures for businesses to prepare one for careers in entrepreneurship, law, marketing, management, banking, sales, secretarial, and finance. A computerized practice set of financial activities will be prepared for a fiscal period.

Office Administration (22071-22072)

Prerequisite: None

***College credits are available for students receiving a “B” or better grade**

Students receive on-the-job experiences relating their business, communication, math, English, and problem-solving skills. Internships and possible job opportunities are available to meet student’s scheduling needs. Employment Portfolios will be utilized in evaluating business competencies. Business Professionals of America should be the focus in gaining leadership, social, and employability skills as well as community-oriented projects for district, state, and national recognition.

Web Page Management (23086)

Students will be responsible for maintaining and creating actual web sites for the main PHS page, PHS departments and clubs, and businesses. Continue to investigate new and creative ways to improve web sites, improve HTML skills, and be introduced to JAVA script and Macromedia Studio. Students will improve communication skills, job shadow, and receive valuable experience for personal employability skills.

ENGLISH

Honors English Curriculum

NOTE TO STUDENTS WISHING TO ENROLL IN ENGLISH HONORS CLASSES:

English classes taught at the "Honors" level are designed for students who demonstrate outstanding interest and motivation in the language arts. Course work will include additional challenging reading material as well as rigorous writing assignments and opportunities for creative/critical thinking, writing, and discussion. Students are required to complete one research project and enter at least one academic or literary competition. Grades in Honors classes will be weighted in the computation of the student's overall grade point average.

Before enrolling in an Honors Course, students should consider the following criteria:

- *English grades of previous years – It is recommended that A's have been earned
- *Scores on language and reading portions of achievement tests – recommended "pass" on the E/La portion of the ISTEP

ENGLISH 9 HONORS A/B (31021-31022)

2 Trimesters - 2 Credits

Grade Level: 9

Prerequisite: None

The English 9 Honors course includes the entire curriculum for English 9 with an emphasis on in-depth writing, extensive reading, and analysis of classical literature. The course also includes a special focus on poetry appreciation and interpretation. Students are required to do at least one research project and enter at least one academic or literary competition. This course will receive weighted grades.

ENGLISH 9 A/B (31011, 31012)

2 Trimesters - 2 Credits

Grade Level: 9

Required

Prerequisite: None

The English 9 course emphasizes grammar, composition, vocabulary, and literature. Major literary genres include short stories, poetry, drama, and non-fiction, with a focus on acquiring the terminology to discuss and to apply reading strategies, to use comprehension skills, to defend interpretation, and to gather research data. In composition, students will explore a variety of rhetorical strategies to develop responses to literature. Students are required to document independent reading.

ENGLISH 10 HONORS A/B (32021-32022)

2 Trimesters - 2 Credits
Grade Level: 10
Prerequisite: English 9

The English 10 Honors course includes all of the curriculum for English 10 with an emphasis on in-depth writing, extensive reading, and analysis of classical literature. The course also includes a special focus on non-fiction writing. Students are required to do at least one research project and enter at least one academic or literary competition. This course will receive weighted grades.

ENGLISH 10 A/B (32011-32012)

2 Trimesters - 2 Credits
Grade Level: 10
Required

The English 10 course emphasizes grammar, composition, vocabulary, and literature. Major literary genres include poetry, drama, the novel, short stories, and non-fiction. Students apply specialized literary vocabulary both to evaluate literary compositions and to discuss their own written work. They write texts using appropriate rhetorical strategies to produce narration, exposition, persuasion, and description, as well as to synthesize research information and to produce technical documents. Students are required to document independent reading.

ENGLISH 11 ADVANCED PLACEMENT/HONORS A/B (33031-33032)

2 Trimesters - 2 Credits
Grade Level: 11
Prerequisite: English 10

This AP literature course covers a broad range of material – American, British, and world authors, classical to contemporary literature of multiple genres. Students will read widely and analyze a few pieces deeply in this introduction to literary study. Some potential works that we will read are *Antigone*, *Othello*, *A Raisin in the Sun*, *Of Mice and Men*, *Crime and Punishment*, *The Adventures of Huckleberry Finn*, and dozens of short stories and poems. Colleges look favorably upon students who have AP classes on their transcripts, and research conducted by The College Board has shown that taking AP classes in high school is a reliable predictor of student success in college.

As well as receiving an introduction to terms, genres, and literary theory, students will learn close-reading skills as they participate in class discussion, informal and formal writing to improve their abilities to communicate critical interpretations of literature. We will also practice for the AP exam – most quizzes and timed-writes will use questions from past AP exams, or variations of them. Students have the opportunity to take the AP Literature and Composition exam in May; many colleges and universities grant three hours of English credit for a passing score on the exam.

ENGLISH 11 A/B (33021-33022)

2 Trimesters - 2 Credits
Grade Level: 11

The English 11 course includes an emphasis on in-depth writing, extensive reading, and analysis of American literature. This course also includes a special focus on drama. Students are required to do at least one research project per trimester, sharing their findings in a variety of ways including through oral presentations. Students are required to document independent reading.

ENGLISH 12 A/B (34011-34012)

2 Trimesters - 2 Credits
Grade Level: 12
Required unless student enrolls in English 12 ACP

The English 12 course emphasizes composition, vocabulary, British and World literature, and documented research. Major literary genres include poetry, short stories, plays, novels, film and essays. Students trace the development of major works of British literature and use principles of literary criticism to evaluate meanings. They employ rhetorical strategies to develop in-depth responses and develop presentations based on documented research. Students present their findings in varied ways, including multi-media presentations. Students are required to document independent reading.

ENGLISH 12 HONORS ADVANCED COLLEGE PROJECT (ACP) A/B (34031-34032)

2 Trimesters - 2 Credits
Grade Level: 12
By Application per Indiana University Standards
Prerequisite: English 11 CP or English 11 Honors

The Advance College Project is a partnership program between Indiana University and Plymouth High School. ACP English provides senior English credit to qualified high school students while simultaneously allowing students to purchase up to six hours of college credit from IU. Trimesters A is W131, freshman composition (3 hours), and Trimester B is A202, the introduction to literature course (3 hours). The IU credit is transferable to many other colleges nationwide, providing students earn a grade of "C" or higher. Students may enroll in the class for high school credit only; they are not required to enroll in the college course. The high school course receives weighted grades.

In Trimester A, students in W131 examine issues in varied disciplinary fields and cultivate reading, writing, and analytic skills. Students summarize arguments, identify the structure of claims, and examine the strength of evidence offered in support of those claims. Through a sequence of analytical responses, students demonstrate not only that they comprehend the argument of experts, but they can also formulate, articulate, and defend claims of their own.

In Trimester B, students in A202 explore the process of literary analysis. Students use techniques for close reading, develop a framework for articulating and supporting interpretations, and work with an array of classic and contemporary texts including short story, poetry, drama, film, and novels. Students do extensive reading, write in response to literature, raise significant questions of themselves and of the text, and discover

interrelationships among the works studied. The ultimate goal is for students to formulate precise, thoughtful, and in-depth responses to their reading, using the analytical powers they developed in W131.

ENGLISH AS A NEW LANGUAGE [ENL]

English as a New Language, an integrated English course based on *Indiana's English Language Proficiency Standards* (ELP) that are linked to *Indiana's Academic Standards for English/Language Arts* (Standards 1-7) in Grades 9-12, is the study of language, literature, Composition, and oral communication for Limited English Proficient (LEP) students so that they improve their proficiency in listening, speaking, reading, writing, and comprehension of standard English. Using conversation, discussion, and readings appropriate to their proficiency levels, students speak and write English so that they can function within the regular school setting and an English – speaking society.

In this English as a New Language course, students also do the following:

- Read and discuss the use of language and interpersonal communication in the English- speaking cultural context.
- Study English vocabulary used in fictional text and in content area texts.
- Write in response to the readings and discussions in this course and deliver oral presentations appropriate to the English-proficiency levels of students.

ELL ENGLISH I A/B (31051 – 31052)

2 Trimesters – 2 credits

Grade Level: 9–12

Elective

Prerequisite: (L1 – L2) Second Language Proficiency Results from Language Battery and Program Director's Consent

This class focuses on learning and practicing both spoken and written English. The class is conducted in English. Introduction to basic English grammatical sentence structure is presented through literature readings and writing practice. Supplementary material will assist students in increasing comprehension and vocabulary. Students will be required to read outside of the classroom.

ELL ENGLISH II A/B (32161 – 32162)

2 Trimesters – 2 credits

Grade Level: 9–12

Elective

Prerequisite: (L2-3, L3 or above) Second Language Proficiency Results from Language Battery or Completion of ENL 1 and Program Director's Consent

ENL II is a continuation of learning and practicing both spoken and written English. Students' knowledge of language conventions and grammatical sentence structure will improve while students' vocabulary will greatly increase through more in depth daily readings and writing practices. Students will also be required to read outside the classroom and write formal papers.

LANGUAGE ARTS LAB (ELL) (33171 – 33172)

2 Trimesters – 2 credits

Grade Level: 10–12

Elective

Prerequisite: Completion of ENL II and Proficiency Language Level II

Language Arts Lab offers students advanced practice in spoken and written English, with emphasis on application of reading comprehension and writing.

LANGUAGE ARTS LAB A/B (31181, 31182, 31183, 31184, 31185, 31186, 31187, 31188)

2 Trimesters – 1 or 2 Credits

Grade Level: 9 - 12

Elective

Prerequisite: Teacher Recommendation and/or Administrative Placement

A lab course designed to give students, who have not yet developed proficiency in application of the reading- language arts standards or ISTEP taking skills. Students gain reading and writing skills necessary to perform successfully in the school and community. Individualized instruction dominates the teaching strategies employed focusing on reading and writing. The 9th and 10th grade labs will consist of the following parts:

1. Review/Re-teach (answers students' questions about what they did in English the day before, check their English binders for organization, and assignments).
2. Homework Help/Assistance Time (answer individual questions, help students individually or in small groups, give them time to catch up/help them with difficult homework).
3. Pre- Teach (introduce concepts that will be taught in their English classes in the next few days, activate their prior knowledge as well as other skills).
4. Basic ISTEP Skills/ Mastery of Standards (work on important basic skills, as outlined in the 5 standards)

Common Schedule for Skills Portion:

***Monday* – Standard 2, Reading (Nonfiction)**

***Tuesday* – Writing (Processes)**

***Wednesday*–Writing (Applications)**

***Thursday* – Reading (Vocabulary)**

***Friday* – Reading (Literary Text)**

Students will be enrolled in this course simultaneously with their general education English course.

BASIC SKILLS DEVELOPMENT –ECA – LANGUAGE ARTS (31189)

1 Trimester – 1 credit

Grade Level: varies

Required – administrative placement based on test scores

This is a *required* course for those students who have not met the Indiana Academic Standards in English 10 demonstrated by passing the English 10 End of Course Assessment. This course provides students continuing opportunities to develop basic skills including: (1) reading, (2) writing, (3) listening, (4) speaking, (5) test taking skills, (6) study and organizational skills, and (7) problem-solving skills that are essential for successfully completing the ECA in English 10.

SPEECH (31096)

1 Trimester - 1 Credit

Grade Level: 9

Required

Prerequisite: None

Speech is a class designed to help students build confidence in expressing ideas before classmates and other audiences. The course will emphasize development of pleasing and articulate speech, provide practice in proper non-verbal skills, and instruction in constructing well-organized, interesting speeches. Numerous short speeches will be designed to inform, persuade, and entertain an audience. Radio and video equipment will be used. The use of outlines and manuscripts will be worked with. A requirement for passing the class is the completion of all oral assignments.

SPEECH - COMPETITIVE (31106)

1 Trimester - 1 Credit

Grade Level: 9

May substitute for required Speech

Prerequisite: None

Competitive Speech is a class designed to help students develop their speaking skills. The course will emphasize advanced development of pleasing and articulate speech, provide practice in proper non-verbal skills, and instruction in constructing well-organized interesting speeches. Speeches will be designed to inform, persuade, and entertain an audience. Radio, video, computer and other electronic equipment will be used. Proper outlines and manuscripts will be developed and used. Two requirements for passing Competitive Speech are the completion of all oral assignments and participation in a limited number of speech and/or debate tournaments. Students who want to be on the PHS Speech/Debate Team are strongly urged to take this course. Students who do not plan to be full-time members of the team, however, may still enroll in this course.

ADVANCED SPEECH - COMMUNICATION A/B (32081)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 10-12

Elective

The student will have the opportunity to work on specialty, competitive, speaking events of his/her own choosing. Along with the instructor, a student will design his/her own course of study. The areas of choice will include: extemp, oratory, debate, congress, and oral interpretation. There will be work, writing, research, and performance projects each grading period. Students in this class will work to attain NFL advanced degrees, which will come from competition at speech and debate tournaments.

Students may take this class for credit more than once.

MASS MEDIA - JOURNALISM I (32136)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of English 9, Application, and Advisor Consent

Journalism I students are exposed to the overall field of journalism. Students will realize the importance of accuracy, objectivity, and conciseness in journalistic endeavors and will become media consumers. The content of the course includes the history of newspapers, the newspaper's role in mass media, ethics of responsible journalism, and techniques and styles of newspaper writing using technology. Students will be drilled extensively in techniques of news gathering, interviewing, and writing articles of many styles for the on-line school paper. Students will learn and use the principles, elements, tools, and techniques of media design to create pleasing formats. Students will learn PhotoShop for Photography and students will learn the elements of effective page design for print using a Word Press Website. Basic skills in computers and camera usage are taught to students. Students will have the opportunity to submit stories for the school on-line newspaper, *Pilgrim Perspective*. Students will keep a working digital portfolio on Google Docs.

MASS MEDIA - JOURNALISM II (33106)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful Completion of English 9, Journalism I, Submission of Portfolio, and Advisor Consent

Students will engage in the total production of the school newspaper, *Pilgrim Perspective*. Second year students understand the organization and management of *Pilgrim Perspective* on Word Press. These students are in leadership positions as editors. Experience in Journalism I enables the second year students to take on the sole responsibility of gathering new stories, setting up interviews, uploading the paper on the Word Press web site, taking photographs, and setting deadlines for the production of the school newspaper. Journalism II students will act as resources for Journalism I students. Journalism II students will produce a portfolio on Google Docs reflecting the work completed during each trimester. Students will also be required to complete projects outside of school newspaper production.

MASS MEDIA - JOURNALISM III (34046)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful Completion of English 9, Journalism I, Journalism II, Submission of Journalism Portfolio, Advisor Consent

These students will be the Editor in chief or Co-Editors. Students will be responsible for overseeing the production of the on-line school paper. Journalism III students will have an on-line portfolio in Google Docs that is reflective of their journalistic work. Students will each teach an area of journalism in which they specialize. Journalism III students will

exercise full leadership responsibilities for the total production of the on-line newspaper under the guidance of the advisor/teacher.

STUDENT PUBLICATIONS - YEARBOOK I (32146)

2 Trimesters - 2 Credits

Yearbook I students must enroll in 2 trimesters

Grade Level: 10-12

Elective

Prerequisite: Application, Recommendation

The yearbook course will require the student to complete a combination of graded and ungraded work centered around the production of The Mayflower. The student must be able to work independently, plan his/her time, meet deadlines, and work after school. The course provides an introduction to feature writing, graphic design, typography, photography, and digital dark room procedures. The student will be expected to design computer-aided layouts, photograph school events, conduct interviews, write copy and proof spreads. A solid writing background and an understanding of computers and cameras would be helpful to students planning to take the course. Students will be admitted to the class based on student's application and teacher recommendation.

STUDENT PUBLICATIONS-YEARBOOK II(33116)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Yearbook I, Advisor Consent

Yearbook II students are responsible for planning and completing yearbook spreads. Students are expected to continue to increase their skills in writing, photography, and design. Students will be required to instruct and assist first year students in the production of their pages.

STUDENT PUBLICATIONS - YEARBOOK III-IV (34056)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective

Prerequisite: Successful completion of Yearbook I & II, and Advisor Consent

Yearbook III-IV students are responsible for theme development, cover design, spread designs, ad sales and design, and yearbook sales and distribution. In addition, they must assist first and second year students in the production of their pages. Yearbook III-IV students usually hold an editor position.

CREATIVE WRITING (31092)

This is an on-line course and does not count in the 15 course selections for the year

1 Trimester - 1 Credit

Grade Level: 11-12

Elective

Creative Writing, 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 for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing. CREATIVE WRITING PROJECT: Students complete a project, such as a short story, a narrative or epic poem, a persuasive speech or letter, a book review, a script or short play, or other creative compositions, which demonstrates knowledge, application, and writing progress in the Creative Writing course content.

FAMILY AND CONSUMER SCIENCE

TEXTILES & FASHION TECHNOLOGY I A/B (05011, 05012)

2 Trimesters- 2 Credits

Grade Level 9-12

Elective

Prerequisite: A passing grade in A is required to continue into B

This course addresses knowledge and skills related to design, production, acquisition, and distribution in the textiles and fashions arenas. Topics include exploration of textiles and fashion industries; elements of science and design in textiles and apparel; textiles principles and applications; social, psychological, cultural and environmental aspects of clothing and textiles selection; clothing and textile products for people with special needs; critical thinking applied to consumer options for fashion, textiles, and related equipment and tools; care and maintenance of textile products, equipment, and tools; impacts of technology; construction and alteration skills; contemporary issues, including global applications.

In each course, students will be required to construct a minimum of three sewing projects and purchase the materials needed for their projects.

APPAREL AND TEXTILE OCCUPATIONS I A/B (06011, 06012)

2 Trimesters- 2 Credits

Grade Level: 10-12

Elective

Prerequisite: A passing grade is required of both A and B of Textiles & Fashion Technology I. A passing grade in IA is required to continue into IB

This course includes attaining knowledge and skills related to design, production, acquisition and distribution of garments in the textile industry, exploration of the textile and fashion industries, application of the principles of design in clothing apparel, use, care and maintenance of textile products, equipment, and tools.

In each course, students will be required to construct a minimum of two clothing projects and purchase the materials needed for their projects cultures.

PREPARING FOR COLLEGE AND CAREERS (05036)

1 Trimester – 1 Credit

Grade Level: 9 – 12

Elective

Prerequisite: None

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 Grade Level: Grade 9**
- **Recommended Prerequisites: None**
- **Credits: A one-credit course over one trimester**
- Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

NUTRITION AND WELLNESS (05021)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: None

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 every day lives. 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 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 nutrition and wellness, preparation techniques, are required components of this course

ADVANCED NUTRITION AND WELLNESS (05022)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: A passing grade in Nutrition and Wellness

Advanced Nutrition and Wellness is a sequential course that addresses more complex concepts in nutrition and foods, with emphasis on contemporary economic, social, psychological, cultural and global issues. Topics include nutrition and wellness for individuals and families across the life span; community and world food concerns, including hunger; impacts of technology on nutrition, foods, and related tools and equipment; management of food-related resources; acquiring, organizing, and evaluating information about foods and nutrition; and exploration of careers in all aspects of the food industry. Laboratory experiences, which emphasize advanced applications, are required

CHILD DEVELOPMENT & PARENTING A/B (07031, 07032)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: A passing grade in A is required to continue into B

Child Development & Parenting “A” addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of the child until age one. The focus is on research-based nurturing and parenting practices and skills 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 development of the child; 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.

Child Development & Parenting “B” addresses the child from age 2-6 in the above-mentioned developmental processes. Caring for children with special needs; parental resources, services, and agencies; and career awareness. High school students are required to successfully plan, prepare, instruct, and evaluate an 8-week play school program for children ages 4 and 5.

HOUSING & INTERIOR DESIGN FOUNDATION (07016, 07017)

1 Trimester - 1 Credit

Grade Level: 10-12

Elective

Prerequisite: None

This course addresses selecting and planning living environments to meet the needs and wants of individuals and families throughout the family life cycle. Economic, social, cultural, technological, environmental, maintenance, and aesthetic factors are considered. The project-based approach in this course utilizes higher order thinking, communication, leadership, and management processes to integrate housing and interior design content.

Topics to be studied include: housing styles, locations, zones, restrictions, and ownership options; managing resources (including financing options and tax considerations) to provide shelter; contemporary housing issues; impacts of technology; housing to meet special needs; elements and principles of design related to interiors, housing, and architecture; creating functional, safe, and aesthetic spaces; historical aspects and contemporary trends in housing, interiors, furniture, and appliances; exploration of housing-related careers.

ADULT ROLES & RESPONSIBILITIES A/B (08021, 08022)

2 Trimesters - 2 Credits

Grade Level: 12

Elective

Prerequisite: A passing grade in the “A” part is required to continue into “B”.

This course builds knowledge, skills, attitudes, and behaviors students will need as they prepare to take the next steps toward adulthood in today’s ever-changing society. A project-based approach that utilizes higher order thinking, communication, leadership and management processes in the study of individual and family issues. The focus is on becoming independent, contributing, and responsible participants in family, community, and career settings. Topics include living independently and family formation; analysis of personal standards, needs, aptitudes and goals; integration of family, community, and career responsibilities; consumer choices and decision-making related to nutrition and wellness, clothing, housing, and transportation; financial management; relationship to technology and environmental issues to family and consumer resources; and community roles and responsibilities of families and individuals.

HEALTH/PHYSICAL EDUCATION

HEALTH EDUCATION (92016)

1 Trimester - 1 Credit

Grade Level: 10

Required

Prerequisite: None

This course provides the basis to help students adopt and maintain healthy behaviors, addressing the 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.

PHYSICAL EDUCATION I AND II (91011, 91012)

2 Trimesters - 1 Credit

Grade Level: 9

Required

Prerequisite: None

Physical Education I and II focus 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; 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. Individual assessments may be modified for individuals with disabilities, in addition to those with IEP's and 504 plans.

ASPE: PHYSICAL EDUCATION (91021)

1 Trimester - 1 Credit (can be taken more than once)

Grade Level: 9

Required

Prerequisite: None

Plymouth High School students may earn physical education credit through an alternative supervised program (ASPE) during the fall, winter, spring, or summer sessions. The credits earned through ASPE **DO NOT** count toward minimum course load requirements and IHSAA eligibility. One credit per trimester/summer may be earned.

1. ASPE has been approved **ONLY** for the following activities:
 - a. All IHSAA recognized sports including cheerleading
 - b. Summer Marching Band

ELECTIVE PHYSICAL EDUCATION – WEIGHT TRAINING (92046)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Physical Education I and II and serious commitment to physical improvement

This is a course offered only for those with a strong interest in improving their physical potential and who want to work on a daily basis to reach their goal. Students will work somewhat at their own skill level, but many of the exercises will be physically demanding and exhausting so a serious commitment to physical improvement is a prerequisite for the course.

The purpose is to develop power, coordination and quickness as well as muscle strength and endurance; all of which will prepare the student for a variety of activities and sports. Along with this will be a goal of improving balance, agility, flexibility, and running and jumping form and explosiveness. Included in this course will be an emphasis on stretching to increase flexibility and plyometric training.

MATHEMATICS

Honors Math Course Criteria:

To move from a regular course to an honors course, where the course work is most rigorous, it is preferred that a student have at least an A- average in all previous math courses, beginning with Algebra I A/B, and be recommended by their most recent math teacher.

To continue from one honors math course to the next honors math course, it is preferred that a student have a B+ average (unweighted) or above in the prerequisite course, as well as the recommendation of their most recent math teacher.

ALGEBRA ENRICHMENT (61033)

1 Trimester1 – 1 Credit

Grade Level: 9

Elective

Prerequisite: Teacher Recommendation and/or Administrative Placement

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

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

BASIC SKILLS DEVELOPMENT –ECA – MATH (61106)

1 Trimester – 1 credit

Grade Level: varies

Required – administrative placement based on test scores

This is a *required* course for those students who have not met the Indiana Academic Standards in Algebra I demonstrated by passing the Algebra I End of Course Assessment. This course provides students continuing opportunities to develop basic skills including: (1) mathematical computation, (2) note taking, (3) listening, (4) test taking skills, (5) study and organizational skills, and (6) problem-solving skills that are essential for successfully completing the ECA in Algebra I.

ALGEBRA I A/B (61031 – 61032)

2 Trimesters – 2 Credits

Grade Level: 9 - 12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: None

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 A/B (62021 – 62022)

2 Trimesters – 2 Credits

Grade Level: 9 –12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Algebra I

Geometry students examine the properties of two- and three-dimensional objects. Proof and logic, as well as investigative strategies in drawing conclusions, are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedra and other solids.

GEOMETRY HONORS A/B (62031 – 62032)

See Honors Math Course Criteria

2 Trimesters – 2 Credits

Grade Level: 9 –12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Algebra I

In addition to the course objectives for Geometry A/B, the student will be expected to do more projects and more proofs. The student should expect to work independently and in greater depth than Geometry A/B students.

ALGEBRA II A/B (63011 – 63012)

2 Trimesters – 2 Credits

Grade Level: 10–12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Geometry

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

ALGEBRA II HONORS A/B (63021 – 63022)

See Honors Math Course Criteria

2 Trimesters – 2 Credits

Grade Level: 10–12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Geometry

The honors student will complete the course objectives at a faster pace, will be expected to cover additional material, as well as complete several projects. The student should expect to work independently and in greater depth than Algebra II A/B students.

PRE-CALCULUS/TRIGONOMETRY A/B (64011 – 64012)

2 Trimesters – 2 Credits

Grade Level: 11–12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Algebra II

Pre-Calculus/Trigonometry blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. The course includes the study of (1) relations and functions, (2) exponential and logarithmic functions, (3) trigonometry in triangles, (4) trigonometric functions, (5) trigonometric identities and equations, (6) polar coordinates and complex numbers, (7) sequences and series and (8) data analysis.

PRE-CALCULUS/TRIGONOMETRY HONORS A/B (64021 – 64022)

See Honors Math Course Criteria

2 Trimesters – 2 Credits

Grade Level: 11 –12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Algebra II

The honors student will be expected to cover the Pre-Calculus/Trigonometry course objectives in greater depth and will be tested using more difficult material.

CALCULUS A/B, ADVANCED PLACEMENT/HONORS (64031 – 64032)

See Honors Math Course Criteria

2 Trimesters – 2 Credits

Grade Level: 12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Pre-Calculus

The AP Calculus honors course covers the required curriculum for students taking the AP test in Calculus AB. The AP test is given in May. The course provides students with the content established by the College Board. The course includes functions of one variable, limits, continuity, solid analytical geometry and mathematical induction, emphasizing applications using the derivative and the definite integral.

DISCRETE MATHEMATICS (64051)

(This course will be offered on-line only. It does not count in the 15 course selections for the year)

1 Trimester – 1 Credit

Grade Level: 10 - 12

Required - A Core 40, AHD, THD course with standards defined

Prerequisite: Successful Completion of Algebra II; completion of Pre-Calculus suggested

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

STATISTICS, ADVANCED PLACEMENT (64041, 64042)

2 Trimesters – 2 Credits

Grade Level: 11 - 12

Required - A Core 40, AHD, THD course with standards defined

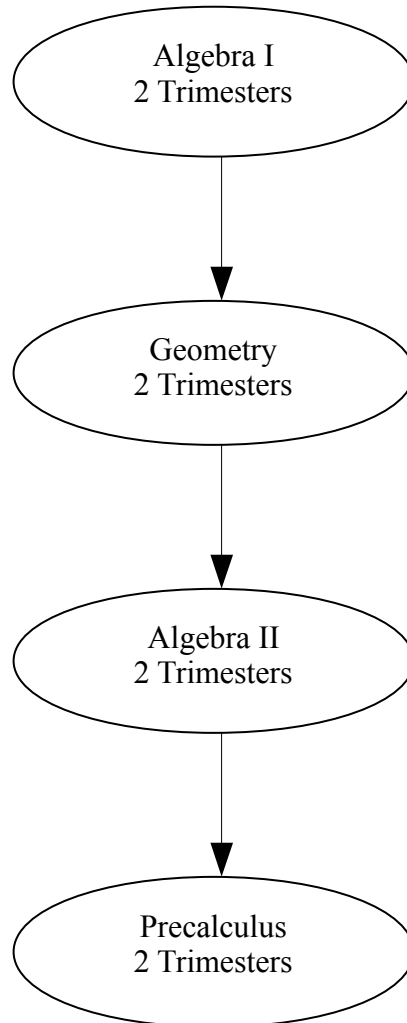
Prerequisite: Successful Completion of Algebra II; completion of Pre-Calculus suggested

Statistics, Advanced Placement is a course based on content established by the College Board. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Topics include: (1) exploring data: describing patterns and departures from patterns (2) sampling and experimentation: planning and conducting a study, (3) anticipating patterns: exploring random phenomena using probability and simulation, and (4) statistical inference: estimating population parameters and testing hypotheses. The use of graphing calculators and computer software is required. A comprehensive description of this course can be found on the College Board AP Central Course Description web page at:

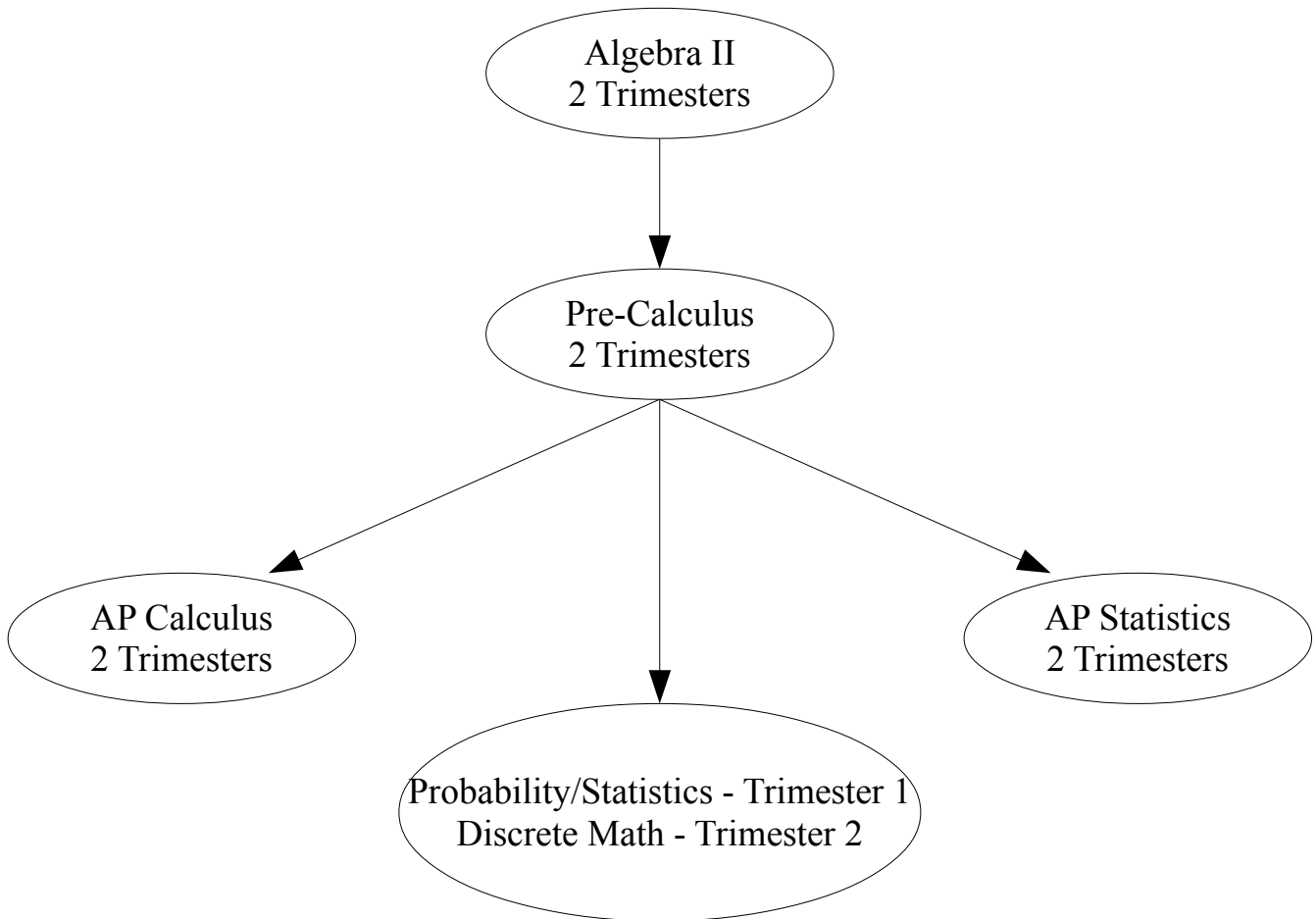
<http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>

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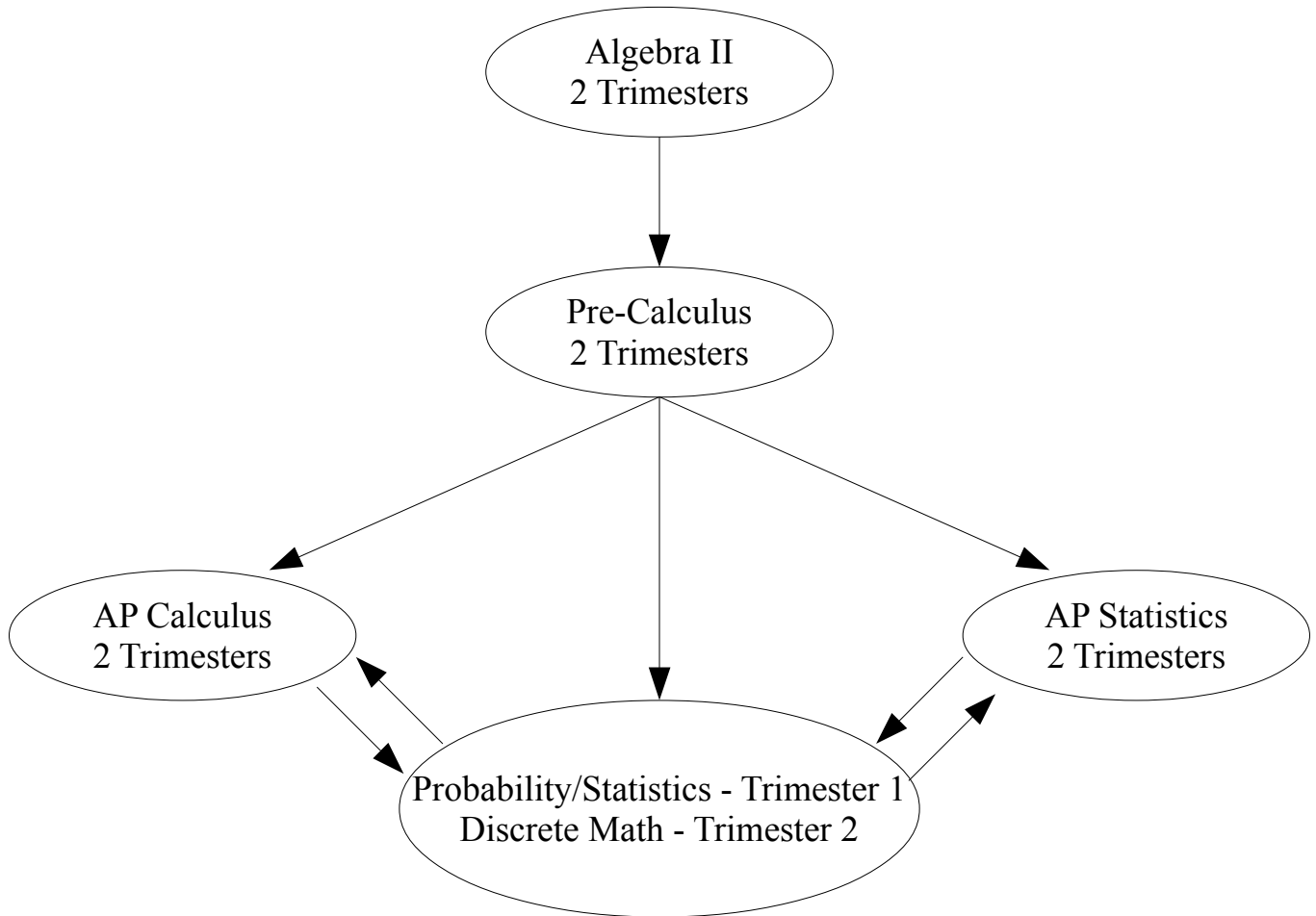
Scenario 1



Scenario 2



Scenario 3



MUSIC

BEGINNING CHORUS (15016)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

Beginning Chorus is for the novice singer with little or no past training. Instruction will cover ensemble and solo singing. Participation in concerts is required to earn credit in this class. Students in beginning Chorus earn the privilege to participate in extra events through singing tests. Participation in solo and ensemble contest is an optional performance opportunity. Members of the Beginning Chorus will perform with members of the Advanced Chorus in concert situations as the PHS Chorale. Participation in the choral festival and commencement program are at the discretion of the director.

Student evaluation will be based on daily performance grades, performance tests and concert attendance.

CHORAL CHAMBER ENSEMBLE (15076)

2 Trimesters - 2 Credits
Grade Level: 10-12
Elective
Prerequisite: Audition and Instructor Selection

The Choral Chamber Ensemble is a concert and choir for experienced singers. Continued training in solo and ensemble singing is a major part of this course. Performance emphasis is on both classical and popular literature. Choreography is emphasized in this ensemble. Participation in concerts, solo and ensemble contest, choral festivals and other activities determined by the director are required to earn credit in this course.

INSTRUMENTAL ENSEMBLE (15116 – Guitar; 15117 – Piano)

1 Trimester - 1 Credit
Grade Level: 11-12
Elective
Prerequisite: None

This is a beginning instrumental learning experience on either piano, guitar, or percussion. The class will consist of a 35-minute group lesson followed by thirty minutes of individual practice time. The twelve week class will cover beginning fingerings, simple notation, simple chords, a variety of cultural instruments within the percussion family, and will culminate in a short recital at the end of the trimester.

CONCERT BAND - MARCHING (15026)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: Jr. High Band participation and Concert Band participation

Marching Band is required for one trimester for every student in the band program the freshman year. After that, participation is encouraged but not required. Activities include home football games, marching competitions, and band camp. For students not enrolled in marching band, see electives below. One credit is earned through required performances and playing exams.

Students must be enrolled in one other instrumental course during the school year to participate.

INTERMEDIATE CONCERT BAND AND/OR ADVANCED CONCERT BAND A/B

(15041, 15042, 15051, 15052)

2 Trimesters - 2 Credits

Grade Level: 9-12

Elective

Prerequisite: Junior High Band participation, First Trimester Marching Band or Private Instruction

These two bands are for all students who display interest and talent in music and desire to participate in all phases of instrumental music. One credit per trimester is earned through required performances in all band activities, as well as written and playing exams. Required activities include: one concert required per trimester, and one contest during the third trimester. Other activities available, but not required, are solo and ensemble contest and private or small group instruction, pep band and pit orchestra. Students are encouraged to take both trimesters of band, as contests are midterm for the bands. Both trimesters are required for Advanced Concert Band.

JAZZ ENSEMBLE A/B (15062, 15062)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 9-12

Elective

Prerequisite: Teacher Permission

This course is for band students interested in learning to play jazz music. One credit per trimester is earned by participating in concerts, contests, written and playing exams. Emphasis is placed on learning all phases of jazz music, i.e. solo playing, history, and instrumental techniques. Students may take one or both trimesters.

JAZZ ENSEMBLE II A/B (16021, 16022)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Enrollment in First Trimester Band, Beginning Instrumental Ensemble Experience, and/or Selection by Instructor through Audition

This course is for band students interested in playing advanced jazz music. One credit per trimester is earned by participating in concerts, contests, written and playing exams. There is continued emphasis on solo playing, history, theory, and instrumental techniques. Students must be enrolled in both trimesters.

MUSIC THEORY & COMPOSITION (16036)

1 Trimester - 1 Credit

Grade Level: 10-12

Elective

Prerequisite: Participation in any music ensemble

Music Theory is a trimester course designed to study the elements of music. Students will learn basic writing and composition skills. The final project will be a short arrangement or original composition displaying the skills and creative talents of each student. Music Theory is open to students interested in expanding their knowledge of music beyond that of performance and/or are considering a career in music. Either Music Theory or Music History is required for a major in music.

INDEPENDENT MUSIC THEORY & COMPOSITION II (16056)

1 Trimester – 1 Credit

Grade Level: 11-12

Elective

Prerequisite: Music Theory

Independent study in music theory and composition is designed for the student who has already taken Music Theory and Composition and desires further instruction. Skills in composition and aural training will be stressed, with many independent projects. Students will have the opportunity to compose for a school ensemble as a final project.

MUSIC HISTORY & APPRECIATION (16046)

1 Trimester - 1 Credit

Grade Level: 10-12

Elective

Prerequisite: None

Music History is a one trimester course designed to examine the role and importance of music in our lives. Examination of music in different cultures and through the perspective of performer, audience, and composer are included as well as the historical perspective of music development. Listening and creative activities are an integral part of this class.

Music History is open to any student who is interested in expanding their knowledge of music beyond that of performance and/or are considering in career in music. Either Music Literature or Music Theory is required for a major in music.

DANCE PERFORMANCE (FLAGS) A (15096)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Through spring auditions.

Dance performance participates with the marching band through the first trimester and as an independent unit during the second trimester. Rehearsals begin in June and end in November. Students in dance do not have to be members of the band. Activities include home football games, marching competitions, dance camp and band camp, for the first trimester, and non-competitive indoor performances the second trimester. Students are encouraged, but not required to take both trimesters. One credit is earned through performances and sponsor directed tests.

BEGINNING ORCHESTRA

1 or 2 Trimesters – 1 or 2 credits

Grade Level: 9–12

Elective

Prerequisite: Elementary/Jr. High Orchestra participation and Instructor Permission

This course provides students with a balanced comprehensive study of music through the string and/or full orchestra. Instruction is designed so that students are enabled to integrate music study into other subject areas. Ensemble and solo activities are designed to develop various elements of musicianship. Experiences include improvising, conducting, playing by ear, and sight-reading. Activities may include recitals and/or public performances.

PERFORMING ARTS

MASS MEDIA - BEGINNING BROADCASTING (31136)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: None

Students in beginning broadcasting will learn the basic skills of television production. The first six weeks will be spent learning about the television broadcast industry in general as well as the fundamentals of effective videography. Students will explore the basics of camera operation and do some independent filming. The second six weeks will be spent focusing on aspects of production both in terms of recorded and live work. This class prepares students for the very hands-on curriculum of Mass Media: Broadcasting I. Students will be required to spend time outside of traditional class time to complete projects

MASS MEDIA: BROADCASTING I, II, III, IV - LIVE (32117, 33137, 34087, 35017)

1, 2, or 3 Trimesters – 1, 2 or 3 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Mass Media – Beginning Broadcasting, Application, and Advisor Consent

This course is open to 9th through 12th graders who have successfully completed “Mass Media” and would like to continue their broadcasting experience. Students in this class will develop and enhance competencies in various communication, marketing, media, production, and technical functions as well as tasks performed by employees, including management personnel, in the television industry. Emphasis is placed on career opportunities, production, programming, promotion, sales, broadcast equipment operation, news and sports casting, station organization, technical oral/written communication, and listening skills. This course includes hands-on school-based enterprises as well as real and/or simulated occupational experiences. This class is responsible for airing the daily announcements, other live programming to the school, as well as special events – including, but not limited to, sporting events, concerts, school board meetings, and other featured activities. Time outside of the regular school day is expected. Students may enroll in the course multiple times each year as well as over the course of their high school career. “Mass Media” is a pre-requisite to enroll in this course. This is an instructor approval course. (This course replaces the former Student Publications: Advanced Broadcasting B [Live] course.)

MASS MEDIA: BROADCASTING I, II, III, IV – SPECIAL PROJECTS (32116, 33136, 34086, 35016)

1, 2, or 3 Trimesters – 1, 2 or 3 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Mass Media – Beginning Broadcasting, Mass Media: Broadcasting I, Application, and Advisor Consent

This course is open to 10th through 12th graders who have completed both Mass Media: Beginning Broadcasting I and a minimum of one trimester of Mass Media: Broadcasting I. This course provides a much more in-depth exploration of the production aspect of broadcasting and is available to students at PHS who prefer a more focused and detailed education in broadcast media. It is a continuation of all of the skills developed in previous broadcasting courses with the

exception of live elements. This course, instead, focuses on recorded production of video and audio elements and is similar to the work done at Golden Dome Productions – a South Bend company affiliated with Notre Dame. Students will develop projects of length for Plymouth High School, the Plymouth Community School Corporation, as well as various groups around the Plymouth community such as businesses and civic organizations. Additionally, students will be allowed the opportunity to explore more creative programming than projects edited in previous courses. Productions will be of various lengths and will require students to explore interviewing, field reporting, field videography, script writing, movie videography, and advanced editing. Time outside of the regular school day is expected. Students may enroll in the course multiple times each year as well as over the course of their high school career. This is an instructor approval course that requires completion of a written application. (This course replaces the former Student Publications: Advanced Broadcasting A [Recorded] course.)

RADIO/TV BROADCASTING/TELECOMMUNICATIONS (35096)
SEE “AREA VOCATIONAL PROGRAMS” ON PAGE 75

THEATRE ARTS I (31111)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

Theatre Arts class is an introduction to the theatre. Students will be introduced to theatre terminology, concentration skills, improvisational work, vocal skills, character development, stage terminology, and monologues. Students will also sharpen their acting skills through acting exercises and scripted as well as memorized work. Students are expected to be involved in out of class rehearsals and performances for a production during the trimester.

THEATRE ARTS II (31112)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

Theatre Arts II is a 2nd part of an Introduction to Theatre. Students will be introduced to theatre history, play reading, pantomime, varieties of drama, vocal analysis, stage movement, character study, and acting scene work. Students will also sharpen their acting skills through acting exercises and scripted as well as memorized work. Students are expected to attend and critique a minimum of one out of class theatrical production.

The following Advanced Acting Courses will be offered during consecutive years:

ADVANCED THEATRE ARTS I – ACTING (32101)
THEATRE PRODUCTION I – ACTING (33141)
ADVANCED ACTING I (34091)

1 Trimester – 1 Credit
Grade Level: 10 - 12
Elective
Prerequisite: Successful completion of Theatre Arts I and II

This course will focus entirely on improving the fundamentals of character analysis and acting. The class will meet during the first, fall trimester. This class will be a large, team taught class that will produce our annual children’s show. Outside rehearsals will be required.

ADVANCED THEATRE ARTS II - ACTING (32103)

THEATRE PRODUCTION II – ACTING (33143)

ADVANCED ACTING II (34093)

1 Trimester - 1 Credit

Grade Level: 10 - 12

Elective

Prerequisite: Successful completion of Theatre Arts I and II

This course will focus entirely on improving the fundamentals of character analysis and acting. The class will meet in the third, spring trimester. This class will be a large, team taught class that will produce the One-Act play competition productions. Outside rehearsals will be required.

THEATRE ARTS SPECIAL TOPIC – ACTING (33142)

1 Trimester - 1 Credit

Grade Level: 11-12

Elective

Prerequisite: Successful completion of Theatre Arts I and II, as well as audition and instructor permission

This course will work with a small, serious, select group of students with a serious interest in Acting. This course will meet during the winter trimester to produce a full length play. Outside rehearsals will be required.

TECHNICAL THEATRE I (32121)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: None

Stage craft will focus on the fundamentals of operating the auditorium. Basic backstage skills such as theatrical lighting, sound, set design, and construction will be the focus. Students will learn stagecraft theory and application for plays, musicals, concerts, and other various performance groups.

Students will be required to attend an out-of-class theatrical production and critique a PHS production that trimester.

The following Technical Theatre will be offered during consecutive years:

The requirement for each class is successful completion of the preceding course, plus application and instructor interview.

These courses will build upon each of the preceding courses in the area of technical theatre and stage productions from the backstage perspective.

Students will be required to attend several out-of-class work sessions, rehearsals, and shows.

Students will crew the shows for all school functions taking place in the auditorium (plays, music concerts, convocations, etc.) and for all outside groups who rent the auditorium.

**Students are compensated for their work when outside groups rent the auditorium.*

TECHNICAL THEATRE II (32123)

ADVANCED TECHNICAL THEATRE I (33151)

ADVANCED TECHNICAL THEATRE II (33153)

THEATRE PRODUCTION I - TECHNICAL (34101)

THEATRE PRODUCTION II - TECHNICAL (34103)

THEATRE ARTS SPECIAL TOPICS (TECHNICAL) (33152)

1 Trimester – 1 Credit

Grade Level: 10-12

Elective

Prerequisite: Technical Theatre I and application and interview with Instructor

SCIENCE

BIOLOGY I A/B (Life Science) (71021, 71022)

2 Trimesters - 2 Credits

Grade Level: 9

Required

Prerequisite: None

Biology I is a course based on regular laboratory and field investigations that include a study of the structures and functions of living organisms and their interactions with the environment. At a minimum, students enrolled in Biology I explore the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students work with the concepts, principles, and theories of the living environment. In addition, students enrolled in this course are expected to: (1) gain an understanding of the history and 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 societal issues.

BIOLOGY, ADVANCED PLACEMENT (Life Science) (72013, 72014)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective - Core 40 – AHD - THD *life science*

Prerequisite: Biology I (and recommended Chemistry I)

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. A comprehensive description of this course can be found on the College Board AP Central Course Description web page at:

<http://apcentral.collegeboard.com/apc/public/courses/descriptions/index.html>

ANATOMY & PHYSIOLOGY (Life Science) (72066 - 72076)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective - Core 40 – AHD - THD *life science*

Prerequisite: Biology I

This is a two trimester course which is recommended for students, who seek to receive a more concentrated exposure to anatomy and physiology than is provided in Advanced Biology. This class is primarily provided for students who are planning a health field career, seeking Core 40 credit, an Academic Diploma and a college-prep course.

The curriculum includes concentrated dissections of a mammal and various mammal organs. The dissections are coordinated with learning the physiology of each dissected organ or system. The approach and level of sophistication is meant to provide a college-like environment which involves independent study, organization of laboratory situations, data interpretation, computer use, research and communication of ideas. To accommodate student needs, traditional high school techniques are also utilized to promote the transition to a college approach.

EARTH/SPACE SCIENCE A/B (Physical Science) (72031, 72032)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective - Core 40 – AHD - THD *physical science*

Prerequisite: Biology

The first trimester deals with Basic Geology and Astronomy. We'll explore the make-up of the Earth and our dependence on it. We examine various rock and mineral types and look at how their physical properties can give us clues to their formation and history. Astronomy will include a look at the planets, their relationship to the sun, Earth's motions and its effects on our seasons. We'll discuss current theories on the evolution of stars, galaxies and the behavior of space.

The second trimester delves into Hydrology, Oceanography, Meteorology, and Geology. Hydrology will focus on the action of ground water and running water in the creation of various landforms. Oceanography combines a physical look at the world's oceans, and a conservation approach to marine organisms. Meteorology involves the study of weather, climate and the atmosphere. We'll investigate earthquakes, volcanoes and their connection to the movement of the crust. We'll study the formation of mountains, and subsequent erosion of them. Earth's history on a geology time scale and fossil evidence of Earth's past will be explored.

INTEGRATED CHEMISTRY- PHYSICS(L) (Physical Science) (72041)

2 Trimesters - 2 Credits

(1 credit for Chemistry, 1 Credit for Physics)

Grade Level: 10-12

Elective - Core 40 – AHD - THD *physical science*

Prerequisite: Algebra I

Integrated Chemistry-Physics is a laboratory-based course in which students explore fundamental chemistry and physics principles. Students enrolled in this course begin to conceptualize the general architecture of the atom and the roles played by the main constituents of the atom in determining the properties of materials. They investigate through the process of scientific inquiry and problem solving, the structure and properties of matter, chemical reactions, forces, motion and the interaction between energy and matter. Students will gain some understanding of how the scientific enterprise operates through examples of historical events.

Sequence of trimesters does not matter. Either the chemistry or physics trimester can be taken first and the other to follow. Students do not have to take both trimesters.

The physics trimester will introduce basic mechanics and electricity/magnetism. Emphasis will be on problem solving using mathematical skills. The chemistry trimester will focus on learning the chemical language and problem solving skills. Concepts to be introduced include the ones mentioned above plus heat energy and nuclear chemistry.

CHEMISTRY I A/B (Physical Science) (73011, 73012)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective – Core 40 – AHD - THD *physical science*

Recommended: Successful completion of Geometry

Students begin to conceptualize with models the general structure of matter and the roles played by the main parts of the atom in determining the properties of matter. Students will (1) investigate

chemical questions and problems related to personal needs and societal issues, (2) learn and practice laboratory safety, (3) gain and understanding of the history of chemistry and (4) explore the uses of chemistry in various careers. This course is mathematically based and is recommended for college bound students.

CHEMISTRY II - HONORS – ADVANCED COLLEGE PROJECT (ACP) A/B (Physical Science) (74011, 74012)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective – Core 40 – AHD – THD *physical science*

Prerequisite: Chemistry I CP

Recommended: Chemistry I and Algebra II

Chemistry II is an extended laboratory, field and literature investigation-based course. The first trimester curriculum follows Indiana University C105/C125 course syllabus by which the student may receive five hours of college credit. Those who apply for C10/C125 IU credit must meet Indiana University entrance requirements and pay the current fee for five credit hours to the university. College credit is strictly optional and not necessary to take this course. In most instances, the dual credit is transferable to the college of your choice. The first trimester is an intensified review of Chemistry I dealing with mathematical explanations of basic chemical theory. Laboratory work is based on unifying themes of chemistry and application of physical and mathematical models of the interactions of matter, students use methods of scientific inquiry to answer chemical questions and solve problems.

After completion of the C105/C125 course, the remaining two-thirds of the second trimester concentrate on chemical kinetics including reaction rates, reaction mechanisms, chemical equilibrium, and electrochemistry. Students may opt to take the Advanced Placement Exam in May but will be charged a fee. Trimester grades are on the weighted grading scale.

PHYSICS I HONORS A/B- ADVANCED COLLEGE PROJECT (ACP) (Physical Science) (74021, 74022)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective – Core 40 – AHD - THD *physical science*

Prerequisite: Completion of Algebra II

Physics I is a laboratory based course in which students synthesize the fundamental concepts and principles related to matter and energy, including mechanics, simple harmonic motion, wave motion, light, magnetism and electricity. Through regular laboratory study using such quantities as velocity, acceleration, force, energy, momentum, and charge, students (1) examine the nature and scope of physics, including its relationship to other sciences and its ability to describe phenomena using physical laws, (2) investigate physics questions and problems related to personal needs and societal issues.

Physics I is an extended laboratory, field and literature investigation-base course. The first trimester curriculum follows Indiana University P221 course syllabus by which the student may receive five hours of college credit. Those who apply for P221 IU credit must meet Indiana University entrance requirements and pay the current fee for five credit hours to the university. College credit is strictly optional and not necessary to take this course. In most instances, the dual credit is transferable to the college of your choice. Students should have a strong math background and recommended to have had Pre-Calculus. College credit requires IU written final exam.

SOCIAL STUDIES

GEOGRAPHY AND HISTORY OF THE WORLD A/B (82013, 82014)

2 Trimesters - 2 Credits
Grade Level: 9-12
Elective
Prerequisite: None

This course is designed to enable students to use the geographic “way of looking at the world” to deepen their understanding of major global themes that have manifested themselves over time – for example, the origin and spread of world religions; exploration; conquest, and imperialism; urbanization; and innovations and revolutions.

By using the skills encouraged in this course, students are able to analyze, evaluate, and make predictions about major global developments. The course is designed to nurture perceptive, responsible citizenship, encourage and support the development of critical thinking skills and lifelong learning, and to help prepare students for employment in the 21st Century. This course fulfills the requirements for Core 40 Diploma. Current events will be included throughout the course.

WORLD HISTORY & CIVILIZATION A/B (82021, 82022)

2 Trimesters - 2 Credits
Grade Level: 9-12
Elective
Prerequisite: None

World History and Civilization is strongly recommended for college bound students. This course is a combination survey and in-depth examination of the growth of current world civilizations dating back to 5000 BC. Emphasis is placed on learning the reasons and causes of modern structures, systems, conflicts, ideologies, religions and environmental issues as they exist in today’s world. Discussion, lecture, assigned readings, audiovisuals and computers are among the learning tools and methods used in the class. This course fulfills requirements for the Core 40 Diploma.

U. S. HISTORY A/B (83011, 83012)

2 Trimesters - 2 Credits
Grade Level: 11-12
Required
Prerequisite: None

This two-trimester course builds upon concepts developed in previous studies of American history and emphasizes national development from the late nineteenth century into the twenty-first century. After a brief review of the early development of the nation, students study the key events, people, groups and movements in the late nineteenth, the twentieth and early twenty-first centuries as they relate to life in Indiana and the United States. Geography and current events will be included throughout the year.

U. S. HISTORY HONORS A/B (83021, 83022)

2 Trimesters - 2 Credits
Grade Level: 11
Elective
Prerequisite: None

This course in United States History is designed for junior students that have previously demonstrated exceptional abilities or achievements in academics during their first two high school years. Class size will be limited. The basic History curriculum will be expanded. An emphasis will be placed on higher order thinking skills. Class work will include: readings, projects, debates, research, and discussion. Students will utilize on-line resources. Students will utilize news media resources to supplement in-class information. Local, state, national and international news events will be discussed and evaluated weekly as a means to understanding the United States' roles in world affairs.

PSYCHOLOGY, ADVANCED PLACEMENT/HONORS A/B (83053, 83054)

2 Trimesters - 2 Credits
Grade Level: 11-12
Elective
Prerequisite: None

Psychology, Advanced Placement is a college-level course that is designed to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, ethics, methods, and phenomena associated with each of the major subfields within psychology. The aim of the course is to provide students with a learning experience equivalent to that obtained in most college introductory psychology courses, preparing them to successfully complete the AP Psychology exam in May for college credit.

Plymouth High School is in the process of seeking Collegeboard Advanced Placement authorization. The AP designation can only be officially added to student transcripts by schools that have been authorized.

SOCIOLOGY A/B (83061, 83062)

2 Trimesters - 2 Credits
Grade Level: 11-12
Elective
Prerequisite: None

Sociology is designed to be a general survey course. The course will be an introduction to basic sociological concepts, themes, theories, and methods. Students will develop a personal connection to the coursework using what C. Wright Mills called "the scientific imagination." Course content will include the basic sociological foundations, as well as a study of cultures, social status, major social institutions, social groups, and societal change and problems. Finally, the course will examine how the individual exists in the community and society as a whole. A social analysis of current events will be included throughout the year.

U. S. GOVERNMENT (84016)

1 Trimester - 1 Credit
Grade Level: 12
Required
Prerequisite: None

This course provides a framework for understanding the purposes, principles and practices of American government as established by the United States Constitution. This course is one-half of the senior social studies requirement of government and economics. Students are expected to understand their rights and responsibilities and how to exercise these rights and responsibilities in local, state, and national government. Current events will be included throughout the year.

U. S. GOVERNMENT - HONORS (84036)

1 Trimester - 1 Credit
Grade Level: 12
Elective
Prerequisite: None

This course in United States Government is designed for senior students that have previously demonstrated exceptional abilities or achievements in social studies. Class size will be limited. Content emphasizes higher level thinking skills, project development and presentation, and independent study and group work. Basic government curriculum will be expanded. This course is one-half of the senior social studies requirement of government and economics.

ECONOMICS (84026)

1 Trimester - 1 Credit
Grade Level: 12
Required
Prerequisite: None

This course examines the allocation of scarce resources and the economic reasoning used by people as consumers, producers, savers, investors, workers, citizens and as agents of the government. Key elements include the study of scarcity, supply and demand, market structures, the role of government, national income determination, money, and the role of financial institutions, economic stabilization and trade. Current events will be included throughout the year. This course is one-half of the senior social studies requirement of government and economics. Current events will be included throughout the course.

ECONOMICS - HONORS (84046)

1 Trimester - 1 Credit
Grade Level: 12
Elective
Prerequisite: None

This course in Economics is designed for senior students that have previously demonstrated exceptional abilities or achievement in social studies. Class size will be limited. Content emphasizes higher level thinking skill, project development and presentation, and independent study and group work. Basic economics curriculum will be expanded. This course in one-half of the senior social studies requirement of government and economics. Current events will be included throughout the course

SPECIAL EDUCATION

All PHS students will be enrolled in General Education Courses with the exception of those students who are on a Certificate of Completion Graduation Track as defined by GEI/LEP/IEP Conference Committee

ENGLISH 9MA/B (31071, 31072)

2 Trimesters
Grade Level: 9
Required
Prerequisite: None

This course will help students develop the necessary skills to enable them to read, write, and communicate. The textbook is subdivided so that only one rule or concept is presented at a time. The reading level is suitable for the below-grade-level reader.

ENGLISH 10M A/B (32061, 32062)

2 Trimesters
Grade Level: 10
Required
Prerequisite: English 9

It is the purpose of this course to help each sophomore special needs student further develop his/her reading, writing and speaking. Parts of speech, library use, dictionary use will be presented and short novels will be read.

ENGLISH 11M A/B (33051, 33052)

2 Trimesters
Grade Level: 11
Required
Prerequisite: English 9 & 10

This course will offer instruction on the following topics: using dictionaries, encyclopedias, almanacs, atlases, library, newspapers, and completing applications and other forms.

ENGLISH 12M A/B (33081, 33082)

2 Trimesters
Grade Level 12
Required
Prerequisite: English 9, 10, 11

This English course is designed to develop communication skills that are essential for obtaining a job, keeping a job and being prepared for promotions.

DEVELOPMENTAL READING A/B (31151, 31152)

2 Trimesters

Grade Level: 9-12

Elective

Prerequisite: Instructor Permission

Provides direct instruction, study and practice in the strategies necessary to increase reading skills. Emphasizing strategies to develop individual reading and comprehension. Introduce phonics, word recognition and building of vocabulary.

BASIC SKILLS DEVELOPMENT A/B (31171, 31172)

1, 2, or 3 Trimesters – 1, 2 or 3 credits

Grade Level: 9-12

Elective

Prerequisite: Instructor Permission

Provides students continuing opportunities to develop the basic skills for reading and/or math computation. Determination of the skills to be emphasized in this course is based on Indiana State Standards and student needs. Students may be enrolled in this course simultaneously with their general ed English and/or Math courses.

INTEGRATED MATH I M A/B (61091, 61092)

INTEGRATED MATH II M A/B (62051, 62052)

INTEGRATED MATH III M A/B (63031, 63032)

2 Trimesters – 2 Credits

Grade Level: 9-12

The three Integrated Math courses will cover all topics of the Algebra I, Geometry, and the Algebra II sequence without the separation that occurs between algebraic concepts and geometric concepts. This integrated series of courses will be taken in place of Algebra I, Geometry and Algebra II.

STUDY HALL

STUDENT OFFICE ASSISTANT

1, 2, or 3 Trimesters – 0 credits

Grade Level: 9 -12

Students may assist in the various school offices during their study hall period. Students must be responsible and qualified.

Students wanting to work in a office, should apply with their counselor. Those selected to work in an office will be evaluated each six weeks and receive a Pass/Fail grade on their report cards. Their evaluation will cover attendance, performance of job requirements, and attitude toward the job.

STUDY HALL (01016)

1, 2, or 3 Trimesters - 0 Credits

Grade Level: 9-12

Elective

This class period is a time for students to do homework and prepare for class. The library is also available to students during their study hall time.

Study hall should be used by students who are willing to study and use their time wisely. This should not be a time for sleeping or for wasting time. We encourage students to use their time wisely and to get all of the education possible for a bright future for themselves.

LEARNING CENTER (01067)

1, 2, or 3 Trimesters – 0 credits

Grade Level: 9–12

Elective

The Learning Center is designed to help ALL students who feel that they might need academic support. It incorporates PHS ISTEP remediation efforts, ELL services, Resource Room services, and Help Study Hall services. The Learning Center is staffed with a certified teacher, two instructional aides, and various peer tutors.

PEER TUTORING (01077)

1 or 2 Trimesters – 1 or 2 credits

Grade Level: 11–12

This course provides students with an opportunity to assist fellow students, through a helping relationship, with their studies and personal growth and development. It provides students taking the course to develop a basic understanding of individual differences and to explore career opportunities in related fields. Experiences are preplanned by the Teacher Trainer and any cooperating teacher under whom the tutoring is provided.

TECHNOLOGY EDUCATION

There are three TECHNOLOGY SYSTEMS courses available for all Plymouth High School students. These are the introductory level courses and they each last only one Trimester. There are three more second Trimester courses available for anyone to take; These are called TECHNOLOGY PROCESSES. These six are divided between all three cluster areas.

These clusters are:

**MANUFACTURING
COMMUNICATION
CONSTRUCTION**

There are five additional upper level courses that are designed to bring things together that have been learned in previous technology classes. It is assumed that students would have these background skills and knowledge before attempting these full year courses. There are other ways to prepare for these classes; if you are interested, the prerequisites can be waived. Contact any staff member in the Technology Education Department.

The top level course in the Technology Education curriculum is called Industrial Research and Development. This is designed for any student who is interested in learning more about some area of TECHNOLOGY. A major portion of the class time will be spent doing study or research on some problem or project of particular interest to you. Students will work individually or in small groups and do the actual research before preparing the report based upon the research findings.

There is also a sequence of courses in the PROJECT LEAD THE WAY program designed for students interested in the Engineering field.

MANUFACTURING CLUSTER COURSES:

MANUFACTURING SYSTEMS (51016)

**1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None**

This course explores the application of tools, materials, and energy in developing, producing, using, and assessing manufactured products. Students will explore techniques used to apply technology such as robotic and CNC machining, in obtaining resources and in changing them into industrial materials and finished products.

This course offers and in depth study of the materials and processes used in industry. In this course, you will examine the make up of industrial materials used in industry and examine the techniques used to make those materials into useful products. The major industrial processes studied in this course are casting and molding, forming, separating, conditioning, assembling and finishing. The student will complete projects using the above industrial processes. A few of the projects include injection molding, forming a tool box out of sheet metal and producing small products using basic woodworking and metalworking techniques.

MANUFACTURING PROCESSES (51026)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

This course explores the application of the different systems of manufacturing. Students will explore techniques used to apply manufacturing systems in producing a finished product.

The manufacturing industry has changed forever the way that we live. Many of the products that you use daily are the result of manufacturing. In this course, you will examine the common materials used in industry and the techniques used to make those materials into useful products. Students will have an opportunity to learn about robotics and CNC machining. You will make several products using some of the same materials and processes that are currently used in today=s industry.

The manufacturing industry is the largest business enterprise in existence today. Student will examine a typical manufacturing system to gain further understanding of a manufacturing system, the class will form a company, design a product, mass produce it and sell it for a profit. Students who purchase stock will be given dividends from the profit made from the sales of the product. The students, for selling the product, will also earn commissions.

COMMUNICATION CLUSTER COURSES:

COMMUNICATION SYSTEMS (51036)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

A broad course that explores the application of tools, materials, and energy in developing, producing, using and assessing communication systems. Students will produce graphic and electronic media as they explore techniques used to apply technology in communicating information and ideas.

This course focuses on three areas of the communications industry. These areas are technical graphics, printed graphics, and electronic communications. The student will learn about the basic printing methods used in industry, including lithography, screen printing, relief printing, offset printing, and desktop publishing.

The student will also learn how messages are sent and received using electronic communications. Some of the projects that the student will complete in this course include designing and producing note pads, silk screening on T-shirts, and creating computer generated graphic products.

COMMUNICATION PROCESSES I (51041)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

A specialized course that explores the technological processes used to produce and deliver graphic and electronic communication media.

This course is a more in depth study of graphic arts technology. Emphasis is placed on reproducing images using various printing methods. In this course, you will learn how to compose and edit graphic images with the various computer programs, how to capture and enhance images on a computer using a scanner and digital camera, how to develop, print, and mount black and white photographs, and how to convert photographs into half tones. NOTE: Material costs for take home projects will be paid for by the student.

COMMUNICATION PROCESSES II (51042)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Communication Systems and Communication Processes I

Required: Application and Instructor Permission

This is a specialized course that will involve the student in the production of graphic communication materials. Emphasis will be placed on designing, developing, and the production of graphic media.

Students will utilize all of the knowledge and skills previously developed in the communication systems and processes class. Students will be given independent or small group tasks to complete in a given time period. Students must be able to work on their own and without constant supervision from the instructor. Strong computer skills would be helpful.

CONSTRUCTION CLUSTER COURSES:

CONSTRUCTION SYSTEMS (51056)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: None

A broad course that explores the application of tools, materials, and energy in developing, producing, using and assessing constructed works. Students will explore techniques used to apply technology in producing residential, commercial, and industrial buildings and a variety of civil structures.

This is an activity based course which helps the student understand more about the construction process that is going on all around us. In this course, students get hands-on experience in how owners initiate construction projects, architects and engineers design a structure, and contractors build them. The student will act as architects and design a structure. This course is highly recommended if you are plan on taking vocational building trades after high school.

CONSTRUCTION PROCESSES (51066)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: None

This course explores the technological processes used to produce residential, commercial, industrial buildings and a variety of civil structures.

This is an activity base course which will teach the student everything they want to know about construction but were too afraid to ask. It will disclose the mystery of how your house was built, what the interior walls look like under the surface, and what unknown objects are found above your ceiling. This is a very exciting class where students will work as a carpenter/contractor and build a miniature house to scale. Students will also be involved in building a structure such as a utility shed or yard barn. This course is highly recommended if you plan on taking the Vocational Building Trades class or working in the construction trades after high school.

PROJECT LEAD THE WAY COURSES:

PLTW INTRODUCTION TO ENGINEERING DESIGN A/B (51071, 51072)

2 Trimesters – 2 Credits

Grade Level: 9 – 12

Elective

Prerequisite: None

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 is currently being used by engineers throughout the United States.

This course is part of the PROJECT LEAD THE WAY program. Plymouth High School is in the process of implementing this program. Students involving themselves in this curriculum will have future opportunities to enroll in further PLTW coursework:

Principles of Engineering
Digital Electronics

PLTW PRINCIPLES OF ENGINEERING A/B (51073, 51074)

2 Trimesters – 2 Credits

Grade Level: 10– 12

Elective

Prerequisite: PLTW Introduction to Engineering Design A/B

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.

PLTW DIGITAL ELECTRONICS A/B (51075, 51076)

2 Trimesters – 2 Credits

Grade Level: 11 – 12

Elective

Prerequisite: PLTW Principles of Engineering A/B

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.

VISUAL ARTS

INTRODUCTION TO 2-D ART (11011)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: None

Introduction to 2-D Art emphasizes creativity and good design using a wide variety of materials, and techniques. It serves as a basis for art instruction, covering principles and elements of visual expression utilizing two dimensional activities. Various art medium, art history, criticism and aesthetics are also encompassed. Projects may include several drawing and painting mediums, collages, design work, and crafts. A 9x12 sketchbook is required for out-of-class assignments. Students may explore career options in visual art and may visit museums, galleries, and other community resources. This course is a prerequisite for most of the other art courses.

ADVANCED 2-D ART (11012)

1 Trimester - 1 Credit
Grade Level: 9-12
Elective
Prerequisite: Successful completion of Introduction to 2-D Art

Students will build on the sequential learning experiences of Introduction to 2-D Art. Techniques will further be used to create a portfolio of artwork using various art media; including pen and ink, colored pencil, charcoal, pastels, scratchboard, linoleum and paint. Art history, critiques and aesthetics are also included. A 9x12 sketchbook is still required for out-of-class assignments. Students may explore career options in visual art and art museums, galleries and other community resources will be utilized. Students must take this course as a prerequisite for some other art courses.

DRAWING (12026)

Grade Level: 9-12
Elective
Prerequisite: Successful completion of Introduction to 2-D Art and Advanced 2-D Art

Basic drawing skills may be developed in many different ways using a variety of materials. Different drawing media would include pencil, pen and ink, charcoal, pastels, and oil crayon. Subject matter would include inanimate objects, objects of nature, photo references, creative drawing and figure drawing. Techniques covered are shading, hatching, crosshatching, scribble-drawing or gesture and contour drawing. A sketchbook is also required for out-of-class assignments. The student will visit art museums, galleries, studios and community resources and explore various career options related to drawing.

PAINTING (12036)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Successful Completion of Introduction to 2-D Art and Advanced 2-D Art

Students taking this class engage in learning experiences that include art history, art criticism, aesthetics and production of artwork. Painting is a course designed to develop individual expression and understanding of painting. Students may explore watercolor, oil, acrylic, tempera, mixed media and possibly other painting medium. Some study of the famous masters will also be introduced. Students at this level produce a portfolio consisting of abstract and realistic paintings. Art museums, galleries, studios and community resources are utilized.

SCULPTURE (12041)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Successful completion of Introduction to 2-D Art or Introduction to 3-D Art

This course offers students the opportunity to explore various techniques and materials used to create three dimensional works of art. Students will create sculptures using additive, subtractive, assemblage and coiling approaches with a variety of media such as paper mache', wire, plaster craft, and coiling core. As in all art courses, students will study art history, art criticism and aesthetics.

CERAMICS (12042)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Successful completion of Introduction to 2-D Art or Introduction to 3-D Art

Students will become familiar with the methods of hand built construction with clay, including pinch, coil and slab. Emphasis will be placed on design elements, clay preparation, clay construction and glazing techniques. Students will also engage in learning experiences that encompass art history, art criticism, and aesthetics.

STUDIO ART A/B (14011, 14012)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 12

Elective

Prerequisite: 8 credits in art with an A average, Instructor Permission, Portfolio

A senior art student will be responsible for planning his/her own art program and presenting it to the art department chairman for approval before being accepted into this course. At least six samples of the prospective student's artwork should accompany the application form. The accepted student will then be responsible for carrying out his/her art program under the supervision of an assigned art instructor. At the end of each trimester, a portfolio of six to eight pieces of artwork will be critiqued. This course should be requested only by those students who are seriously interested in art and can work independently.

DIGITAL DESIGN A/B (12051, 12052)

2 Trimesters - 2 Credits

Grade Level: 9-12

Elective

Prerequisite: Successful completion of Intro to 2-D Art

This class is designed to introduce students to graphic arts software and increase their basic development of computer skills. Students will further develop traditional art concepts while creating imagery on the computer. Attention will be directed towards the creation of artwork as an entity and also as it is applied towards the graphic design industry. Course work is designed to encourage student's individual expression while successfully completing lesson objectives in a series of required projects.

ADVANCED DIGITAL DESIGN A/B (13031, 13032)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Digital Design

Students will create computer graphics incorporating multi-media, digitized imagery and computer animation and will have the opportunity to explore new 3-D software programs. Student will also implement some of their artwork in other public and curricular areas. Career options related to computer graphics will also be explored. Students at this level produce works for a portfolio due at the end of two trimesters.

INTRODUCTION TO 3-D ART (12011)

1 Trimester - 1 Credit

Grade Level: 9-12

Elective

This course is designed to give students an exposure to a variety of 3-dimensional art mediums, in which they will successfully complete several studio projects. Upon completion of this course students will be able to know and discuss the Elements and Principles of Art, demonstrate beginning skills and knowledge in several 3-D mediums, discuss three-dimensional art through description, analysis, interpretation, and judgment using the art elements and principles.

They will also gain understanding of three dimensional arts throughout different civilizations and time periods. Students will gain skills in recognizing, reasoning, and synthesizing aesthetic questions with respect for others' opinions and ideas, and demonstrate beginning skills in construction through additive and subtractive methods of three dimensional art. At the end of the course, students will be able to decide if they have developed an interest to continue their course work in depth in other advanced 3-D studio courses.

PRINTMAKING (12012)

1 Trimester – 1 Credit

Grade Level: 9-12

Elective

Prerequisite: Successful completion of Introduction to 2-D Art and Advanced 2-D Art

Printmaking covers the processes and techniques of printmaking in the field of visual communication. Student will explore a variety of approaches to two-dimensional image-making. Printmaking processes include collagraphs, linoleum, and monoprints. Students taking this course are involved in learning experiences that include art history, art criticism, and aesthetics. All students will produce artwork for a portfolio due at the end of the trimester.

ADVANCED DRAWING A/B (13011, 13012)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Introduction to 2-D Art, Advanced 2-D Art, and Drawing

During this course, the art student will explore the area of drawing to a deeper degree by spending more time on the various drawing media and techniques. The nature of this course allows for successive trimesters of instruction at an advanced level. Although formal training will be available when needed, emphasis will be placed on the student's individual and creative exploration of the areas in which he/she is interested. A sketchbook will also be required for out-of-class assignments. Students at this level produce artwork for a portfolio due at the end of each trimester. These students also will visit museums, galleries and studios, and community resources are utilized.

ADVANCED PAINTING A/B (13021, 13022)

1 or 2 Trimesters - 1 or 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful completion of Introduction to 2-D Art, Advanced 2-D Art, and Painting

This course is designed to further develop the student's skills and techniques using various painting medium including tempera, watercolor, acrylic and oil paints. Emphasis will be placed on composition and concept development. In special situations, a student may acquire permission to work independently with instruction available. Students may be responsible for supplying some of their own materials for this course. Learning experiences will include art history, art criticism, aesthetics and production that lead to creating a portfolio of artwork.

ADVANCED CERAMICS (12043)

1 or 2 Trimesters – 1 or 2 Credits

Grade Level: 10- 12

Elective

Prerequisite: Successful completion of Introduction to 3-D Art and Ceramics

The course will be structured to build on previous knowledge and allow a student to pursue more personal interest. Emphasis will be placed on differentiated instruction, depending upon the student's interest and ability level. Students will develop greater skills using handbuilding and throwing techniques. They will also further their knowledge pertaining to firing procedures. They will also gain an understanding of functional ceramic ware as well as sculptural ceramics throughout different civilizations and time periods. Students further develop skills in recognizing, reasoning, and synthesizing aesthetic questions with respect for others' opinions and ideas, and demonstrate advanced skills in construction through additive and subtractive ceramic building methods. Students will be expected to produce several portfolio quality projects.

WORLD LANGUAGES

SPANISH I/CHINESE A/B (41011, 41012)(41051, 41052)

2 Trimesters - 2 Credits

Grade Level: 9-12

Elective

No Prerequisite

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

FRENCH II/ SPANISH II A/B (41041, 41042), (41021, 41022)

2 Trimesters - 2 Credits

Grade Level: 10-12

Elective

Prerequisite: Successful Completion of French I, Spanish I

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

FRENCH III/ SPANISH III A/B (42021, 42022), (42011, 42012)

2 Trimesters - 2 Credits

Grade Level: 11-12

Elective

Prerequisite: Successful Completion of French II, Spanish II

French III/Spanish III, a course based on Indiana's Academic Standards for World Languages, builds upon effective strategies for French/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 French/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 French/Spanish language and culture outside of the classroom

FRENCH IV/ SPANISH IV A/B (43021, 43022), (43011, 43012)

2 Trimesters - 2 Credits

Grade Level: 12

Elective

Prerequisite: Successful Completion of French III, Spanish III

French IV/Spanish IV, a course based on Indiana's Academic Standards for World Languages, 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 understanding of French/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 the 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 French/Spanish language and culture in the community beyond the classroom is explored through the identification and evaluation of resources intended for native French/Spanish speakers.

AREA VOCATIONAL PROGRAMS

MICROSOFT CERTIFIED INFORMATION TECHNOLOGY PROFESSIONAL (MCITP) (23096)

3 Trimesters, 2 periods per day – 6 Credits

Grade Level: 11-12

Elective

Prerequisite: Good communication and basic keyboarding skills; Completion of the Vocational Co-op Application and Selection by the Instructor

The Microsoft Certified IT Professional (MCITP) credential is a professional credentialing program for individuals who will focus on a broad range of issues on the Windows 7 client operating system, desktop applications, mobile devices, networking, and hardware support. Earning this credential is the ideal way to demonstrate your ability to use Windows Vista, Windows 7 and Windows Server 2008 to excel in a job relevant in today's market.

The MCITP credential is in high demand in the business world. This widely recognized technical certification indicates that the individual has the skills necessary to lead organizations in the successful design, implementation, and administration of the most advanced Windows operating systems of Windows 7 and Microsoft Server Products.

At the completion of this program, the students shall be employable in entry-level network administrator jobs or be ready to move into the post-secondary programs of computer technology. This program provides the necessary training to take the Microsoft Certified Technology Specialist and MCITP tests.

COSMETOLOGY I AND II (07066, 08046)

3 Trimesters, 4 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisite: Pass pre-admissions test, an Interview and Instructor's Permission

Class Location & Calendar: Knox Beauty School on IN 8. Students will follow the Knox School Calendar.

Cosmetology is taught at the Knox Beauty School in Knox, Indiana. Students will have to provide their own transportation to class. Cosmetology includes segments in cutting, styling, perming, coloring, manicuring, pedicuring and facials. The course includes both scientific and artistic ability. Within the 1500 hour course, the student will discover the necessity of acquiring knowledge of all phases of personal development, sterilization and sanitation, anatomy and physiology. Two years are required to successfully complete the Cosmetology course. At that time, students will be ready to take the state licensing exam.

HEALTH CAREERS I (73036)

1 Trimester, 2 periods per day – 2 Credits

Grade Level: 11-12

Elective

Recommended: Biology, Chemistry

Class Location & Calendar: St. Joseph Regional Medical Center, Plymouth, and Knox High School. Students will follow the Plymouth School Calendar

Students are responsible for their own transportation.

This is a two period, one trimester course. Health Careers I content includes a core of entry level skills common to one specific health career such as patient nursing care, dental care, animal care, medical laboratory and public health. Course content includes an introduction to health care systems, anatomy, physiology, and medical terminology. This course builds upon the basic skills learned in Introduction to Health Care Systems. An in-school laboratory provides hands-on, simulated experiences. An extended laboratory experience may also be used as a method of providing clinical exposure to the actual health care work settings. Successful completion of this course provides students with the certificates of technical achievement in bioscience and health occupations. Actual instruction and supervision is given by qualified health practitioners in the clinical setting based on pre-determined specific learning competencies.

HEALTH CAREERS II (74036)

1 Trimester, 2 periods per day - 2 Credits

Grade Level - 12

Elective

Prerequisites: Health Careers I

Class Location & Calendar: St. Joseph Regional Medical Center, Plymouth, and Knox High School. Students will follow the Plymouth School Calendar

Students are responsible for their own transportation.

Health Careers II is a two period, one trimester course. Health Careers II course content includes the competencies that prepare the student for a specific occupation within a health career cluster such as nursing assistant, dental aide, veterinary aide, medical-clerical aide, or laboratory aide. This course builds on those competencies acquired in Health Careers I and allows for more in-depth knowledge, skills, and attitudes to be developed in a specific occupation. Leadership skills developed through HOSA participation are also included. Simulated in-school laboratory experiences are also a part of this course. An extended laboratory experience may also be scheduled. The related experience is organized and planned around the activities associated with both the student's individual placement and the student's career objectives in health occupations.

AUTOMOTIVE TECHNOLOGY I & II (53046 or 54016)

3 Trimesters, 4 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisite: Transportation Systems or Processes and Instructors Permission

Class Location & Calendar: The SCILL Center, Knox, Indiana. Students will follow the Knox School Calendar.

The automotive technology course is three trimesters in length, and should be taken in both the junior and senior years for a total of six trimesters. The class is taught at the SCILL Center that is just west of Knox, Indiana. Over the two-year period, the course will cover automatic transmissions, breaks, electrical systems, engine performance, engine repair, heating and air conditioning, manual drive train and axles, and suspension and steering. When completing the Automotive Technology program and successfully completing the required tests, students will be awarded the Automotive Service Excellence Certificate that will help them become employed in the Auto Service industry. Students interested in this class should have a career interest in automotive service, good attendance, and transportation to the SCILL Center.

VOCATIONAL BUILDING TRADES I & II (53036 or 54046)

3 Trimesters, 2 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisites: None--However, for those students who are really focused on a trade in the Construction Area, any of the classes offered in the Construction Cluster and Design Process/Computer Design Area would be highly recommended.

Requires Application & Instructor Permission

Vocational Building Trades is a vocational program designed to teach students the skills needed to construct residential buildings. It is also designed to provide training toward an occupation that students could follow after graduation such as: carpenter, electrician, mason, cement finisher, plumber, sheet metal worker, roofer, painter, drywall hanger, drywall finisher, or landscape worker. Students in Building Trades will attend regular classes part of the school day and then report to the school operated construction site for the remainder of the day.

I.C.E. (INTERDISCIPLINARY COOPERATIVE EDUCATION) I and II (53026, 54026)

3 Trimesters - 6 Credits

Grade Level: 12

Elective

Prerequisite: Interest in your chosen future career. GPA 4.0 or better; Good attendance record.

Requires Application and Instructor Permission

I.C.E. is an interdisciplinary vocational program preparing students for work (or further training) after graduation from high school. It is also a cooperative program in which the local businesses and the school work together to provide instruction and on-the-job training for which the students are paid. I.C.E. provides a way for students to gain experience in a chosen career. Depending upon a student's interests and abilities, that student may select training in any of the building/construction trades; industrial occupations, business and commercial areas, agriculture, health occupations, or any other technical area.

Students who want to take I.C.E. during the Junior year must be interested in highly technical occupation that requires two years to learn the basics and must also intend to continue the same

training in I.C.E. during the Senior year. If you just want a pay check, get a job; if you are serious about wanting to learn an occupation, look into I.C.E. The I.C.E. coordinator will assist students in locating a suitable job training station and in arranging school schedules. I.C.E. students take their regular school subjects and I.C.E. class during part of the school day and then work at their training job for pay and credit during the rest of the day. I.C.E. students will enroll in at least two (2) classes plus SRT besides the I.C.E. class. Students must provide transportation to work. All I.C.E. students are expected to keep the same job throughout the school year and will be required to work a minimum of 15 hours per week.
Students must have a job prior to the start of school.

EARLY CHILDHOOD EDUCATION (07086)

3 Trimesters, 3 Periods Per Day – 6 Credits

Grade Level: 11 or 12

Elective

Prerequisite: Application and interview with the instructor. Completion of the Child Development and Parenting A and B classes are strongly recommended

Class Location and Calendar: Kaleidoscope Child Care Center; Students will follow the Plymouth School Calendar

Early Childhood Education prepares students for employment in early childhood education and related services and provides the foundations for study in higher education that leads to early childhood education and other child-related careers. 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 early childhood education and services. The course of study includes, but is not limited to: planning and guiding developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with children; overview of management and operation of licensed child care facilities or educational settings; Indiana state child care regulations and licensing requirements and employability skills. Intensive experiences in one or more child care / preschool or school laboratories, resumes, and career portfolios are required components. A standards-based plan for each student guides the student's laboratory/field experiences. Students are monitored in their laboratory/field experiences by the Early Childhood Education & Services teacher. Student laboratory/field experiences may be either school-based or "on-the-job" in community-based early childhood education centers or in a combination of the two. Foundation work is included for students to meet content knowledge requirements for the CDA (Child Development Associate) credential. Standards and course specifications are compatible with on-the-job training and related instruction components of the CCDS (Child Care Development Specialist) registered apprenticeship, which is available through the [USDOL/BAT](#). Articulation with postsecondary programs is encouraged. This course is recommended for students with interests in early childhood education and services career paths and provides the foundation for study in higher education that leads to child-related and/or education careers.

GRAPHIC IMAGING TECHNOLOGY (15011)

3 Trimesters, 2 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisites: None--However, for those students who are really focused on a trade in the Graphic Design area, any of the classes offered in Digital Design area would be highly recommended.

Class Location and Calendar: Knox High School; Students will follow the Knox School Calendar

Requires Application & Instructor Permission

***Graphic Communications* will include organized learning experiences that focus on theory and**

laboratory activities in pre-press, press and finishing operations. Emphasis will be placed on elements of design and layout leading to computerized electronic image generation, plate preparation, pressroom operations, and finishing techniques. Instructional activities will enhance student's language arts skills through the use of proofreading, spelling, and punctuation exercises. The course will include actual production processes in conjunction with classroom assignments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries.

RADIO/TV BROADCASTING/TELECOMMUNICATIONS (35096)

3 Trimesters, 2 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisites: None--However, for those students who are really focused on a trade in the Broadcasting area, any of the classes offered in the Broadcasting area would be highly recommended.

Class Location and Calendar: Plymouth High School; Students will follow the Plymouth School Calendar

Requires Application & Instructor Permission

Radio/TV Broadcasting/Telecommunications provides instruction to develop and enhance competencies in various communication, marketing, media, production, and technical functions and tasks performed by employees, including management personnel, in radio/TV broadcasting and telecommunications occupations. Emphasis is placed on career opportunities, production, programming, promotion, sales, announcing, broadcast equipment operation, news and sports casting, broadcast regulations and laws, station organization, technical oral/written communication, and listening skills. Instructional strategies may include a hands-on school-based enterprise, real and/or simulated occupational experiences, such as the operation of an in-school radio, television, telecommunications, or distance learning studio, job shadowing, field trips, and internships

LAW ENFORCEMENT (83073)

3 Trimesters, 2 periods per day - 6 Credits

Grade Level: 11-12

Elective

Prerequisites: None

Requires Application & Instructor Permission

Law Enforcement includes specialized classroom and practical experiences related to public safety occupations such as law enforcement, loss protection services, and homeland security. Training is based on standards and content similar to that provided by officially designated law enforcement agencies. Instruction includes procedures for patrolling on foot or in an automobile during the day or at night; dealing with misdemeanors, felonies, traffic violations, and accidents; investigative and evidence collection procedures; making arrests; and testifying in court. Students will have opportunities to use mathematical skills in crash reconstruction and analysis activities requiring measurements and performance of speed/acceleration calculations. Additional activities simulating criminal investigations will be used to teach scientific knowledge related to anatomy, biology, and chemistry. Oral and written communication skills should be reinforced through activities that model public relations and crime prevention efforts as well as the preparation of police reports.