

# GENERAL INFORMATION

## Graduation Requirements

English	4 credits	
Science	2 credits	
Math	3 credits	
Social Studies	2.5 credits	
1 World History	1/2 Civics	1 US History
Health	0.5 credit	
Consumer Ed	0.25 credit	
Drivers Ed.	0.25 credit	
Physical Ed.	3.5 credits	
<i>NOTE: 1/2 credit must be earned for every semester for which the student is enrolled. Physical education is required for all students unless medically excused or exempted.</i>		
Vocational Ed.	1 credit	
Students are required by state law to earn at least one credit in either art, music, business, or vocational courses.		

### Credits required for graduation.

25 credits

All students must pass an examination of the US and Illinois Constitution.

### Class Load

All students are required to take 8 academic classes.

### PHYSICAL EDUCATION EXEMPTIONS

1. All sophomores who are taking Health class are exempt from PE during the semester they take Health.
2. Juniors and seniors may apply for an exemption from PE if they are taking more core classes than are required for graduation, or they may be exempt the semester they participate in Marching Band.

### NCAA CERTIFICATION

Students who intend to participate in Division I or II athletics as a college freshman must register and be certified by the NCAA Initial-Eligibility Clearinghouse. The guidance counselor can provide the necessary information and forms.

### DEFINITION OF TERMS

- A. One-half academic credit is awarded for the successful completion of each semester of a course.
- B. Required courses are courses which are designated by the local Board of Education as being mandatory for all students in order to earn a diploma from Dwight Township High School.
- C. Elective courses are courses selected beyond the required course work by the individual student in order to fulfill graduation requirements.
- D. Prerequisite-denotes that a requirement must be met before enrollment in a particular course.
- E. Prerequisites may be waived by administrative approval.

### PROGRAM CHANGES

When programs are carefully selected, there is usually little need for program changes; however, program adjustments may need to be made in the best interest of the student. Occasionally school personnel will need to initiate a program change to maintain optimum class size. Student-initiated schedule changes must be made within the first 4 days of each semester.

### ADVANCED PLACEMENT COURSES

Advanced Placement courses are offered to those students in the 11th or 12th grade wishing to pursue college-level studies while still in high school. To be successful in AP, the student must be highly motivated and willing to accept a challenge.

Students who complete an AP course may benefit in several ways. First, students will experience first-hand the intensive study required at the college level. Second, students who complete the AP course will be able to include this achievement on their transcripts sent to colleges and universities. Third, students may be able to receive college credit. Although the AP exams are not required, each AP course is structured so as to prepare the student for the AP exam. To receive weighted credit, AP students will be required to take the AP exam at the end of the year-long course, unless the JJC Dual Credit Opportunity is available. Each AP course is structured so as to prepare the student for the AP exam. Dwight High School will contribute half of the AP exam fee and the student will be required to pay the other half.

Advanced Placement courses offered are Art, Calculus, English and U.S History.

### **ART**

**ART 1:** If you cannot draw or paint and have little knowledge of the art world but would like to learn, this class is for you. You will learn the basic ideas behind design, and will have experiences in the techniques of painting, drawing, design, and ceramics. You will learn to identify and critique artwork. Historical highlights about the art world will be covered.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** None

**ART II:** Art II is a continuation of concepts and techniques learned in Art One. Drawing skills, acrylic painting and Digital Art techniques are developed. Sculpture, design, woodcarving and ceramics may be studied. Students will write and give reports on the lives of master artists.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A grade of 'C' or above in Art One or Instructor approval

**ART III:** This course continues an in-depth study into art concepts, techniques and materials. Art history will be studied as it relates to studio work. An overview of cultures, civilizations, and philosophers is presented. Response in the form of essay questions is required of each student.

Some of the areas available for study may include abstract drawing, sculpture, acrylic painting, etching, printmaking, and ceramics.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A grade of 'B' or above in Art II or Instructor approval

**ART IV:** Students in Art IV have the opportunity to explore areas and techniques in art that are of interest to them. Students may concentrate on one area of study (such as painting or throwing the pottery wheel) for the entire year, or they may choose to write special goals, then pursue them. Students taking this course should possess a high degree of self-motivation. Students will be responsible for writing their own goals. Grades are determined through dialog with the instructor. This class requires the student to read material on related topics and prepare for class discussions.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A grade of 'B' or above in Art 3 or Instructor Approval

**AP ART:** Advanced Placement (Studio Art) is a course that enables highly motivated students to do college level work in studio art while still in high school, and taught as an independent study opportunity. The General Portfolio portion asks a student to develop and submit a portfolio of work for evaluation at the end of the school year. Work for this area must be of a high quality and students should prepare to allow time outside of classes for work on their portfolio. In addition to the possibility of earning college credit, the student will have prepared a portfolio for college scholarship submission.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit, which will not be weighted.

**PREREQUISITE:** A grade of an 'A' in Art 3 with written instructor approval. This course is not weighted.

**DIGITAL PHOTOGRAPHY:** is a course that focuses on developing a person's photographic eye and artistic vision through the lens. Within this course students will explore photographic composition, use of lighting, fashion photography, journalism photography, digital editing, graphic design, manual modes on dSLR cameras, and career opportunities for various photographers in the field. The overall goal is to develop a strong portfolio in the course that can showcase their talents and while gaining exposure to the photography field.

**LENGTH OF COURSE:** 1 Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Successful completion of Art 1 with a C or higher, junior or senior standing

## CONSUMER EDUCATION

**CONSUMER EDUCATION:** This course is required by the State of Illinois for graduation. Students will become familiar with their responsibilities as a consumer of goods and services. Instruction includes units on the paychecks and deductions, taxes, credit, insurance, and purchasing home and/or automobile. Time will also be spent on banking and learning to manage a checking account. It is the aim of the course to help students build useful skills in decision making and in knowing their personal values and goals and how that relates to personal finance and budgeting. It is meant to be a practical course.

**LENGTH OF COURSE:** 9 weeks

**CREDIT:** 0.25 Credit

## DRIVER EDUCATION

**CLASSROOM PHASE:** This phase of the program is required for graduation. The State of Illinois requires at least 30 clock hours of instruction for this part of the program. Students may only miss 3 classroom days. On the 4th day they may be dropped from the program due to state requirements. During this part of the program students will study the Illinois Rules of the Road book, take the Rules of the Road State test, apply for a behind-the-wheel driver's permit, and complete coursework from the Drive Right textbook. They must earn a passing grade to maintain their permit or the permit will be revoked.

**LENGTH OF COURSE:** 9 Weeks

**CREDIT:** 0.25 Credit

**PREREQUISITE:** Students must pass 8 classes during the 2 semesters prior to their Driver's Education class.

**BEHIND-THE-WHEEL PHASE:** Enrollment in this phase of the program is voluntary. However, it is required by the State of Illinois that if a student should desire his/her legal driver's license before the age of 18, the student must complete 10 hours of driving with their parents prior to BTW. The course involves a driving time with a certified instructor for 6 hours. This driving time with an instructor usually takes place in quarters following the completion of the class. A student must also fill out a log sheet with 50 hours of driving time (40 daytime hours and 10 nighttime hours) with a person 21 years or older who also maintains a valid driver's license. This 50 hour sheet must be turned in to the DMV when the student is 16 and going to get their driver's license. Extra log sheets can be found on the

cyberdrive.com website. The DMV will also require three forms of identification (required forms of ID can be found on cyberdrive.com), a \$20 fee that is paid in class for their permit.

## ENGLISH

**ENGLISH I:** English I is a survey course that will introduce the DTHS scholars to a specific emphasis on identifying and evaluating the impact and effectiveness of literary devices used in the various texts studied (drama, nonfiction, poetry, short stories, and novels). Scholars will annotate the various texts studied for the purpose of making personal connections, evaluating the effectiveness of literary devices identified, analyzing passages, and making global connections. Annotating will be a common practice to help improve reader comprehension and retention. Scholars are also required to compose a variety of essays (narrative, expository, and persuasive), while applying the rules of grammar and mechanics, in order for scholars to develop their own voice, confidence and style as a writer.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**ENGLISH II:** English II at DTHS emphasizes clear concise communication, interpretation, and analysis skills. Scholars will develop mastery of communication skills through writing poetry, narratives, research-based informative essays, and research-based argumentative essays as well as completing various project-based learning tasks. Also, scholars will engage in verbal and non-verbal communication skills—both speaking and listening—as they deliver several formal presentations. In addition to reading, interpreting, and analyzing both classical and contemporary texts (poetry, fiction, nonfiction, and drama), scholars will choose books they want to read independently to develop an appreciation of and love for reading.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**ENGLISH III:** English III will build upon prior and learned knowledge of the DTHS scholars. Through the study of various texts (fiction, nonfiction, essay, poetry, and drama), scholars will engage in critical reading, thinking, and discussion of complex texts, along with writing skills. Scholars are also required to compose a variety of essays (narrative, expository, and persuasive), while applying the rules of grammar and mechanics, in order for scholars to develop their own voice, confidence and style as a writer.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**ENGLISH IV:** English IV at DTHS emphasizes clear concise communication skills, which include a variety of tasks in the areas of reading, writing, researching, and speaking and listening—with a specific emphasis on works with high literary value. Scholars will explore, interpret, analyze, and reflect upon literature—poetry, fiction, drama, and film—from a variety of perspectives. Through both project-based learning and the various modes of writing—narrative, expository, and argumentative—scholars will develop strong language skills. In addition, students will exercise their listening and speaking skills through various formal presentations and speeches.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**AP ENGLISH (Language and Composition):** AP English Language and Composition focuses on the intense study of both reading and writing. The course curriculum is intended to prepare students for the AP test in April/May, which may qualify the scholars for college credit upon completion (depending on test scores). Scholars taking this course should be prepared for a heavy workload of reading and writing. Though scholars will be expected to read several novels, the course will focus primarily on non-fiction writing (argumentative and expository). Over the semester, the scholars will write informal essays, formal essays, and practice forty-minute timed writings. In addition, scholars will take several AP English Language and Composition practice tests. The guidelines and expectations of this course are based on the criteria set forth by the National College Board.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit \* Weighted credit with completion of AP exam.

**PREREQUISITE:** Senior Standing, Consent/Permission of Instructor.

## FOREIGN LANGUAGE

**SPANISH I:** A foundation course which is designed to introduce students to Spanish language and culture. Spanish 1 courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. In addition to the learning of the language itself, the course introduces the student to an appreciation of the customs and culture of the people for whom the language is native.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** "B" Average in previous English course, or instructor approval.

**SPANISH II:** A continuation of Spanish I which builds upon skills developed in Spanish 1 and extends students' ability to understand and express themselves in Spanish and increase their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. The students will improve communication skills in Spanish through group work. Once again the students will be exposed to the many facets of the Spanish speaking world by studying the culture and customs of the people for whom the language is native.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A grade of A or B in Spanish 1 or instructor approval.

**SPANISH III:** An accelerated course in Spanish that focuses and builds on all four basic language skills: reading, writing, listening, and speaking in the target language. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. The students will improve their skills through group work, class projects in the target language, and cultural exploration.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A or B in Spanish II with instructor approval.

**SPANISH IV:** An accelerated course in Spanish that focuses on expanding and perfecting previous skills of reading, writing, listening and speaking learned in Spanish 1, 2 and 3. The course is designed to review Spanish grammar, so that one can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** A grade of A or B in Spanish III with instructor approval

## HEALTH EDUCATION

**HEALTH:** Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development and/or community resources.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Sophomore

## MATHEMATICS

**PRE-ALGEBRA:** The pre-algebra course covers integer operations (addition, subtraction, multiplication, and division), order of operations, using function notation, graphing linear functions, writing linear functions given a graph or other key information, graphing linear inequalities, solving linear equations and inequalities, exponent rules, problems involving percents, polynomial operations, and probability.

**LENGTH OF COURSE :** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Placement based on proficiency test scores and teacher recommendation.

**COORDINATE ALGEBRA:** This is a two semester math course that covers arithmetic readiness, real numbers, linear equations and inequalities, functions, linear systems, exponential functions, polynomials, factoring, quadratic functions, radicals, and rationals.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Placement based on proficiency test scores

**ADVANCED MATH I:** This is an accelerated course designed to formalize and extend mathematical concepts. Topics include linear equations and inequalities, linear models, systems of equations, exponentials, polynomials, factoring, and quadratics. Several topics in geometry are also covered including problem solving with various types of angles, triangles and polygons. This course is intended for students who are interested in pursuing careers in hard sciences, mathematics or engineering.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Placement based on proficiency test scores and teacher recommendation

**ADVANCED MATH 2:** This is an accelerated course designed to formalize and extend mathematical concepts with an emphasis on problem solving and mathematical reasoning. Topics include linear equations and inequalities, quadratics, systems of equations, composition of functions, transformations, and polynomial, radical and rational functions. Several topics from Geometry will also be covered including right triangle trigonometry, problem solving with perimeter and area, circles, and surface area and volume of three-dimensional figures. This course is intended for students who are interested in pursuing careers in hard sciences, mathematics or engineering.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Advanced Math 1

**ANALYTIC GEOMETRY:** This is a two semester sequence course. Topics include perimeter, area, volume, congruence and similarity, proofs, right triangle trigonometry, circles, and the study of angles, triangles, and polygons.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Coordinate Algebra

**ALGEBRA II:** This is a two semester sequence course. Topics include linear equations and inequalities; functions and graphs, linear systems of equations, quadratic functions and equations, composition of functions, and polynomial, radical and rational functions.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Analytic Geometry

**MATH ANALYSIS:** This two semester sequence serves as introduction to first year college calculus and discrete mathematics. Topics include function analysis, analytic trigonometry and geometry, mathematical sequence and series, and introductory combinatorics. This is a fast-paced course and is intended for highly motivated students

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit\* This course will be weighted\* only for those students taking the class for a Dual Credit.

**PREREQUISITE:** Algebra II or Advanced Math 2

**DUAL CREDIT FROM JJC (MATH 142) MAY BE AVAILABLE WITH AN APPROPRIATE PLACEMENT SCORE..**

**TRANSITION MATH:** A study of the properties of real numbers, the properties of exponents and radicals, the arithmetic of polynomial and rational expressions, linear and quadratic equations and inequalities, systems of linear equations, and an introduction to functions.

Problem-solving skills and critical-thinking skills are emphasized.

**LENGTH OF COURSE:** Two semesters

**CREDIT:** 1 Credit

**PREREQUISITE:** Senior course for students who have successfully completed 3 years of Math including Algebra 2.

**Teacher recommendation for this course is required.**

**HIGHER MATH STUDIES:** This is a two semester course designed to help students achieve mastery of concepts learned in Algebra 2 and Analytic Geometry that are needed for success in college-level math courses.

Topics include linear equations and inequalities, functions and graphs, systems of equations, quadratic functions and equations, composition of functions, and polynomial, radical and rational functions, as well as topics from Geometry. There will be an emphasis on problem solving and preparing for college-level courses.

**LENGTH OF COURSE:** Two semesters

**CREDIT:** 1 Credit

**PREREQUISITE:** Algebra 2 or Advanced Math 2. **Teacher recommendation for this course is required**

**STATISTICS:** This is a college dual-credit statistics course focusing on statistical reasoning and the solving of problems using real-world data. Included are: data collection processes, frequency distributions, measures of position and variation, basic probability theory, probability distributions and the normal curve, correlation and least-squares regression, and confidence intervals and hypothesis tests using p-values.. A statistical software package will be used. Prerequisite(s): Appropriate placement score.

**LENGTH OF COURSE:** Two Semesters

**CREDIT:** 1 Credit\* This course will be weighted\*

**PREREQUISITE:** Senior standing and earn the appropriate placement score on the ALEKS test.

**DUAL CREDIT FROM JJC (MATH 128) MAY BE AVAILABLE WITH AN APPROPRIATE PLACEMENT SCORE.**

**CALCULUS:** The topics include limits and an introduction to both differential and integral calculus. Several applications are studied such as area and optimization of functions. The calculus of transcendental functions is part of this course.

**LENGTH OF COURSE:** Two Semesters

**CREDIT:** 1 Credit\* This course will be weighted\*

**PREREQUISITE:** Math Analysis

**DUAL CREDIT FROM JJC (MATH 170) MAY BE AVAILABLE WITH AN**

## APPROPRIATE PLACEMENT SCORE

### MUSIC

**INSTRUMENTAL MUSIC – BAND:** Band is a two semester course open to all students who can play or are willing to learn to play an instrument. The course's major objective is to expose students to one of the performing arts. During the first semester, students will participate in marching band, ILMEA auditions and festival, pep band, concert band, and small group performances. The second semester includes pep band, concert band, solos and ensembles contest, jazz band, and the music department's production of "The Jazz Show." The members of the jazz band are chosen from Band by audition and/or instrumentation requirements. Band does require extra time outside of the school day. (i.e. A one week band camp in Late July/early August, daily morning (7:00 am) rehearsals during marching season, any other extra rehearsals and all performances). Students can expect approximately 35 performances throughout the school year.

**LENGTH OF COURSE:** One Semester or Full Year

**CREDIT:** 0.5 Credit or 1 Credit

**PREREQUISITE:** None

**VOCAL MUSIC – CHORUS:** Chorus is a two semester course open to all students. The course's major objective is to expose students to one of the performing arts. Throughout the year, students will study and perform a variety of music in many different styles. During the first semester, students have the opportunity to participate in ILMEA Auditions and District Festival. All students will participate in a fall and winter concert. Spring semester includes solo and ensemble contests, a spring concert, graduation. Course requirements include attending all performances, and a willingness to participate and work with others. Students will have approximately 5-7 performance opportunities throughout the year.

**LENGTH OF COURSE:** One Semester or Full Year

**CREDIT:** 0.5 Credit or 1 Credit

**PREREQUISITE:** None

**GUITAR:** Students will be instructed in learning all aspects of producing sound on the acoustic guitar along with music reading, music theory, and selected historical, cultural and technical contributions.

**LENGTH OF COURSE:** Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Junior /Senior Standing

### PHYSICAL EDUCATION

Physical Education is required of all students unless they are exempt for reasons stated in the school code. There are two physical education classes offered; Physical Education and Strength & Conditioning.

**PHYSICAL EDUCATION:** The goal of Physical Education is to develop movement skills as well as develop and maintain physical fitness. In the complete physical education program there is an attempt to nurture an interest and desire to participate in lifetime recreational activities for fitness and enjoyment. Cardiovascular activities and resistance training will be implemented in the daily routine. The Fitnessgram will also be done in all PE/Strength & Conditioning classes.

**STRENGTH & CONDITIONING:** This class is only offered to students who are in a sport. The goal of Strength & Conditioning is to help student athletes' build a strong foundation to improve athletic performance and reduce the chance of injury. This class will include comprehensive training programs that focus on building strength, increasing flexibility and improving overall fitness levels.

**FEE:** All students enrolled in physical education are required to purchase and utilize school issued uniforms and locks for the locker room.

### SCIENCE

**SCIENCE 1:** Science 1 will draw upon the principles of several scientific specialties – physical science, biology, chemistry and physics and the course material will be organized around thematic units. Common themes will include systems, models, energy, patterns and data analysis. This course will use appropriate aspects from each specialty and investigate applications of the theme.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** None

**BIOLOGY:** Biology is a standards based laboratory course based on the Next Generation Science Standards, that investigates the interconnections of life between organisms and their environments. Scientific inquiry engages students in the study of the interdependence of organisms, energy flow, the cell, heredity, how ecosystems affect species over time, and the relationships between structure and function.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** None

**CHEMISTRY:** Chemistry is a one year laboratory science course that studies the structure and composition of matter and the possible changes in matter. Scientific laboratory techniques are used to accurately describe the events.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Coordinate Algebra. Junior classification or sophomore with a C in Coordinate Algebra or Advanced Math 1 or approval of the instructor.

**PHYSICS:** Physics is an algebra-based, introductory physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion. This course has the option to be weighted upon committing and taking the AP Physics 1 exam.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** At least a junior standing. Advanced Math 2 or currently enrolled in Algebra II or approval of the instructor.

**ANATOMY AND PHYSIOLOGY:** Anatomy and Physiology is a year long course that provides students an opportunity to explore the relationship between structure and function in the human body. The course offers students topics such as homeostasis, anatomical and physiological disorders, medical diagnosis and treatment, imaging techniques, biochemistry, histology and survey of the array of body systems that comprise the human body. Laboratory activities reinforce concepts and principles presented in the course. Multiple hands-on dissections are required.

**LENGTH OF COURSES:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** C or better in Chemistry, or instructor approval

## SOCIAL STUDIES

**WORLD HISTORY:** World History provides an overview of the history of the world. Major Asian, African, Middle East, and Latin and South American nations are examined. Emphasis is on European development. This course helps provide an understanding of traditions throughout the world and historical ideas and movements that have had an effect on civilizations and nations. Students will 1) gain an appreciation of the history and culture of ancient, medieval, and modern civilizations and nations, and 2) understand events, trends, personalities, and movements that have helped shape historical development.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** None-Limited to Freshmen

**CIVICS:** This course will help students understand the structure, function, and relationship of government at the state and national levels. They will explore the forces that created the context in which the U.S. government was formed and those that guided its formation as we know it now. There will be a focus on the structure, content, and different understandings of the Constitution. The course will "help young people acquire and learn to use the skills, knowledge, and attitudes that will prepare them to be competent and responsible citizens throughout their lives" by allowing them to discuss and apply their knowledge and understanding of the government to current and controversial issues.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Sophomore, World History

**UNITED STATES HISTORY:** The United States History course provides an overview of the history of the American people from the colonial period through contemporary times. This course helps provide each student with an understanding of themselves and of society, prepares students for citizenship in a democracy, provides the basis for understanding the complexities of the world community, and encourages an understanding of the historical method as a way to understand and interpret human behavior. Contributions of minority-ethnic groups, women, and labor unions are included in the course of study as students examine topics and people relative to the 17th, 18th, 19th, and 20th and 21<sup>st</sup> centuries.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Junior, World History

**ADVANCED PLACEMENT AMERICAN HISTORY:** Advanced Placement (AP) American History provides a study of major themes in American History from the founding of the first colonies to the present. This course utilizes a college-level text. Thomas A. Bailey and David M. Kennedy's, *The American Pageant*. Students will learn about the nature of history, what historians do, and how to analyze and interpret primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. Objective and essay tests will be given designed to prepare students for the AP exam. This course is weighted.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit\*

**PREREQUISITE:** Instructor Approval. \* Weighted with the completion of the AP exam.

**WORLD GEOGRAPHY:** This is a one semester course designed for students to develop map skills, and gain a better understanding of specific places and regions. Students will understand the relationship between humans and the earth, know the physical processes that shape the earth's surface, and use geography to understand the past, interpret the present and plan for the future.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** World History

**ECONOMICS:** This is a one semester course stressing major economic concepts. This course is designed for college-bound seniors and seniors who plan to enter careers in business. Besides helping students understand basic economic concepts, this course looks at current economic trends and problems.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** U. S. History

**PSYCHOLOGY:** Psychology is the scientific study of the behavior of living things. This course provides students with some understanding of why people behave the way they do and some practical uses of psychology in everyday life. Topics include learning, intelligence, and psychological disorders.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credits

**PREREQUISITE:** U.S. History

**SOCIOLOGY:** Sociology is the study of how individuals behave in groups. Students are encouraged to apply their everyday life experiences to major concepts and topics presented. Topics include values, morals, folkways, roles, relationships, and social institutions such as marriage and family. There is a 2 hour community service component as a class **requirement**.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** U.S. History

## **VOCATIONAL EDUCATION AGRICULTURE**

**INTRODUCTION TO AGRICULTURE:** This class is the first and a required class of all agriculture classes. The course will survey the many components of the agricultural industry including, the role of agriculture in society, the history of agriculture, FFA and the various areas of agriculture. Careers in the industry will be emphasized. Hands-on activities such as food production, ice cream labs, intro to archery, greenhouse activities, leadership conferences, and SAE projects.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

There is no prerequisite for this class. Preference is given to freshman and sophomores. Any member enrolled in class is automatically a member of FFA as the two work together to provide an enriching agriculture education program.

**AG SCIENCE:** This course will cover the importance of animal, crop, plant, and food science in the agriculture industry. Topics will include animal science, greenhouse, crop science, food science, ag processing, and ag careers. This class focuses on hands-on labs and group projects to incorporate real life applications including soil sampling, making various foods, self-designed experiments on plants, and small animal care. Leadership skill development is an integral part of this program and is delivered through FFA activities. Any member enrolled in class is automatically a member of FFA as the two work together to provide an enriching agriculture education program.

**LENGTH:** One Year

**CREDIT:** 1 Credit

**LARGE AND SMALL ANIMAL CARE:** This course will cover the care of companion and production animals. Units of study will include cats, dogs, exotic animals, beef, dairy, swine, sheep, goats, horses, poultry and specialty animals. We will focus on their importance to the industry, reproduction, anatomy, nutrition, and management for each unit. Any member enrolled in class is automatically a member of FFA, as the two work together to provide an enriching agriculture education program.

**LENGTH:** One Year

**CREDIT:** 1 Credit

**PREREQUISITES:** Introduction to Agriculture or Ag Science, or consent of the instructor.

**HORTICULTURE/GREENHOUSE:** This course highlights many of the areas of horticulture and the areas of knowledge that are important to them: growing media, fertilizers, plant growth regulators, pest management, greenhouse structures, greenhouse production, nursery crops, floral design, interiorscaping, landscaping and vegetable production. The students will grow plants in the greenhouse; do plantings at school, make bouquets, boutonnieres, corsages, wreaths and floral arrangements. Any member enrolled in class is automatically a member of FFA and can participate in horticulture contests throughout the year.

**LENGTH:** One Year

**CREDIT:** 1 Credit

**PREREQUISITES:** Junior/Senior, Approval of Instructor.

**NATURAL RESOURCES AND CONSERVATION 1:** This course will cover the importance of the relationships between agriculture and natural resources. Topics include conservation, forestry, soils, land use, prairies, outdoor recreation, and current issues in natural resources. Careers in the industry will be emphasized. Leadership skill development is an integral part of this program and is delivered through FFA activities. Any member enrolled in class is automatically a member of FFA as the two work together to provide an enriching agriculture education program.

**LENGTH:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITES:** Intro to Agriculture or Ag Science or Consent of Instructor.

**NATURAL RESOURCES AND CONSERVATION 2:**

This course will cover the importance of the relationships between agriculture and natural resources. Topics include wildlife, game animals, game birds, safety and ethics, aquatics, fish and current issues in natural resources. Careers in the industry will be emphasized. Leadership skill development is an integral part of this program and is delivered through FFA activities. Any member enrolled in class is automatically a member of FFA, as the two work together to provide an enriching agriculture education program.

**LENGTH:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITES:** Intro to Agriculture or Ag Science or Consent of Instructor.

**AGRICULTURE BUSINESS:** This course will develop students' understanding of the US and world agriculture industry and will cover knowledge and skills required in operating a business. Topics include communications, marketing, sales, personal finance, product development, trading, imports and exports, and advertising. Students will develop and operate a school cooperative. Careers in the industry will be emphasized. Leadership skill development is an integral part of this program and is delivered through FFA activities. Individualized instruction and learning reinforcement are provided through Supervised Agricultural Experience programs (S.A.E.'s)

**LENGTH:** One Year

**CREDIT:** 0.5 Credit

**PREREQUISITES:** At least one previous Ag course and Senior Standing

**FARM TO FORK:** This course provides learning experiences in food science and food production. This would be an opportunity for students to apply scientific knowledge to practices used in the development and preservation of food products. Issues of food science and safety are examined from a scientific and technological perspective. This course allows students to learn where their food comes from, how to accurately and safely prepare it, and how to make sound consumer, economic and nutritional decisions. Topics in this course include, creating and tending to a garden, working in the greenhouse, learning how to can vegetables, dehydrating fruit and meats, conducting experimental labs with other foods including eggs and dairy products. Any member enrolled in class is automatically a member of FFA, as the two work together to provide an enriching agriculture education program.

**LENGTH:** One Semester (spring)

**CREDIT:** 0.5 Credit

**PREREQUISITES:** Ag Science, Large and Small Animal Care, Horticulture, or a senior

## **BUSINESS**

### **INTRODUCTION TO BUSINESS AND TECHNOLOGY:**

This course is designed as an orientation to the world of business and serves as the framework for other business courses taken at the high school and/or college level. Students will focus on entrepreneurship by developing a unique product or service to present in a Shark Tank presentation to a panel of sharks. This semester-long project will encompass the business and technology courses offered at Dwight Township High School and give the students a hands-on application of the vast career opportunities in the business world. While completing this project, students will be introduced to technology applications including 3D printers. In addition, students will participate in the Stock Market Game™ program which is an online simulation of the global capital markets that engages students in the world of economics, investing and personal finance, and prepares them for financially independent futures.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

### **COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS:**

Computer Concepts and Software Applications is an orientation-level course that will provide students with the opportunity to use the **computer** as a problem-solving tool that can be applied to any academic environment or career path. Students will apply these skills to hands-on, real-life situations using a variety of current software applications. Students will learn to edit, manipulate, format, cite resources, print, and store common personal and business documents; apply spreadsheet functions to create and edit charts and graphs to interpret spreadsheet data; design and create databases to extract, sort, calculate, and report business data; design, create, professional presentations which include appropriate text formatting, graphics, animation. Students will also use the Internet in an ethical manner to research, communicate, collaborate, and efficiently retrieve information.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Introduction to Business/Tech, Sophomore-Senior Standing.

### **DIGITAL MEDIA DESIGN AND PRODUCTION:**

The Digital Media Design and Production course introduces students to a variety of media editing applications. Students will learn the fundamentals of graphic design and production and provide students with the opportunity to apply these principles to printed media, digital presentation media and interactive media. Students will apply video editing skills to various projects utilizing multimedia applications such as Pixlr, WeVideo, Adobe Premiere Pro CC, and Photoshop. In addition the students will learn the basics of using digital cameras, green screen technology and video lighting.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Sophomore-Senior Standing

### **COMPUTER PROGRAMMING:**

Students will be introduced to the initial concepts of computer programming through exposure to online programming applications. These applications take advantage of advances in computing power and interface design to make computer programming more engaging and accessible for students. Students will complete a rotation of modules which include Raspberry Pi robotic video car, Lego Mindstorms, Parrot Drones and 3D Printing. In these modules, students will create programs to complete tasks using the above including creating web servers, security systems and home automation kits. Programming languages included are Java Script, Python, and other current applications.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Advanced Math 1 or Analytic Geometry, Sophomore-Senior Standing

**ACCOUNTING I:** The objective of the Accounting I course is to develop an understanding of the processing of financial data using basic accounting procedures. Emphasis is on understanding accounting principles and concepts, developing a familiarity with a variety of methods of processing financial data, and acquiring the background essential for work in a wide range of accounting, computing, clerical, and data processing jobs. The course is divided into accounting for a service business organized as a proprietorship during the first semester and accounting for a merchandising business organized as a corporation. The course is divided into small segments of instruction, followed by manual and automated application activities. An automated, cumulative simulation will be done during the second semester.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

## **FAMILY AND CONSUMER SCIENCE (FACS)**

### **L.I.F.E. (Learning for Independence, Family, and Enjoyment):**

This semester course will introduce the student to the field of family and consumer sciences. It is designed to develop the total well-being of the student to become a healthy, well-adjusted, self-confident individual, family member, and worker. Learning activities will provide an opportunity to apply the decision-making process to family and cope in a technologically changing society. Basic units include self-esteem, relationships, laundry, housing and food lab preparation & sewing a pillow and apron. Laboratory experiences will be a vital component. Classroom activities will encourage the integration of cooperative learning, and leadership development. FCCLA (formerly FHA) is an extension of these learning experiences.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITES:** None

**FOOD AND NUTRITION I:** In this course the student will learn proper use and practice using knives and equipment. Students will learn basic food preparation techniques and procedures through practice in lab experiences. Sanitation will be taught and practiced daily. Students study food influences, importance of healthy dietary guidelines, MyPlate, grains, legumes, fruit, cheese, and baking.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** L.I.F.E.

**FOODS II:** This course is an expansion of Foods I. The student will build, improve and broaden the skills learned in Foods I. The units of study and laboratory experience offered will include, making healthy food choices, professional knife skills, poultry, beef, soups, baking, planning meals, and smart consumerism.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Foods I

**FOODS III:** This course is a study of the development of regional cuisine of America with an emphasis on the production and taste with application of skills to develop, organize, and build a portfolio of recipe strategies. This course also has an extensive unit on international cuisine with an individual foods demonstration given by each student.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Foods 2 and instructors approval.

**CHILD CARE:** Students gain knowledge and understanding of physical,

social, intellectual and emotional development of children from birth to six years. Responsibility of parenthood and alternative ways of meeting the needs of parents and children will be the focus. Readiness for children, interactions between children and family members, pregnancy and childbirth, and availability of community and social services will be vital components of this course. Emphasis is placed on preparing for nursery school situations where the student will teach, observe, and interact with young children. There is a four week practicum at Dwight Grade School. Students become teachers' aides in multiple grade levels. These experiences will not only prepare the student for being a better parent but also expose him to career opportunities

**LENGTH OF COURSE:** One Year

**CREDIT:** 1 Credit

**PREREQUISITE:** Adult Living, Junior/Senior Standing

**ADULT LIVING:** This course is designed to help students gain an understanding of themselves and others. The course is approached from a viewpoint that will be helpful to young people making lifetime decisions, and with emphasis on the need for maturity and readiness for adult responsibility. The study of personality, values, goals, money management, interpersonal relationships, engagement, marriage, conflict resolution, and decision-making techniques, are covered. Students will learn how the responsibility of taking care of children, career choices, and communications skills are approached through an examination of individual and family relationships. The "Real Care Baby" is part of the curriculum for preparing teens for the adult world of children. Emphasis will be placed on learning experiences which provide opportunities for the students to gain knowledge and understanding in the principles of human growth and development, and the roles, responsibilities and impact of parenting.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** LIFE, Junior/Senior Standing

## **INDUSTRIAL ARTS**

**ORIENTATION TO INDUSTRIAL TECHNOLOGY:** This course is designed to provide classroom and laboratory instruction pertaining to a broad range of industrial and technical occupations. This class is an opportunity for students to become familiar with some of the concepts of future Industrial Arts classes. Topics include but are not limited to basic concepts in Industrial Arts (i.e. measuring, hand tools, power tools), basic sheet metal and basic woodworking.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**RENEWABLE ENERGY TECHNOLOGY:** This course will provide a comprehensive study of the basic elements of energy, power, and transportation and how they affect the world we live in. Lab activities will include the construction and testing of wind turbines and the construction and racing of a CO2 dragster. Other activities will include use of the tools and machines in the industrial arts shop as well as use of the computer. A sound understanding of energy, power and transportation technology is essential for making wise choices. With the knowledge a student will gain in this course, they will be prepared to take an active and responsible part in our technological world.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**INTRODUCTION TO WOODWORKING:** This course is designed to provide students with knowledge and experiences that involve a variety of occupations relating to working with wood. Included are experiences which enable students to acquire basic knowledge and skills necessary as a foundation for further specialized training. Small projects are required. The projects incorporate the development of skill with both machines and hand-operated woodworking tools.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** None

**INDUSTRIAL DRAFTING:** Problem-approach to architecture and

mechanical engineering. Laboratory experiences included are: pattern drawing, multi-view drawing, pictorial and isometrics and also an emphasis on residential planning and construction. Lab time is devoted to development of working drawings on paper and intensive use of CAD systems to create electronic imaged mechanical and architectural drawings.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Sophomore/Junior/Senior

**HOME MAINTENANCE:** Any repair job you do around the house is bound to require some knowledge of the use of hand and/or power tools at some stage - and not just any hand/power tool, but the right tool, correctly used. This means learning all that you can about hand/power tools and their purposes, and mastering the technique that each one requires. It is precisely this kind of instruction applied to home repairs and improvements at every level that you will be studying.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Sophomore/Junior/Senior Classification

**MILLWORK AND CABINET MAKING:** This course will allow students to develop skills in the use of tools and equipment required to construct wood and laminated-wood products. Credits will include safety principles, blueprint reading, properties of various types of woods and glues and the proper use of hand and power tools. Students will experience cost estimating, material selection, cutting, shaping, assembling and finishing wood products. Projects will be selected to demonstrate an understanding of the units taught as well as a demonstration of wood working skills.

**LENGTH OF COURSE:** 1 year

**CREDIT:** 1 Credit

**PREREQUISITE:** Intro. to Woodworking or instructor approval.  
Junior/Senior Standing

**SMALL ENGINES:** Shop skills necessary in preparation for occupations in mechanics are developed. Course content includes use of design, maintenance, repair, and overhaul of small gas engines. Students will use equipment in the laboratory and evaluate machine performance. Each student will be expected to furnish a **Briggs and Stratton** small gasoline engine for shop work.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Junior/Senior Classification

**WELDING:** Students develop welding skills essential for occupations requiring welding experiences or for repair of metal parts in the home shop. Students advance at their own rate as competency levels are mastered in the use of arc, oxyacetylene, and MIG welders. Students begin with machine set-up, metal preparation, and running beads, then advance to more difficult out-of-position welds.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Junior/Senior Classification

## **PERSONAL/ACADEMIC/CAREER DEVELOPMENT**

**STUDY HALL:** Study Hall is designed to emphasize the importance of academics by providing time for students to complete homework and further their academic achievement by providing an environment that encourages student achievement.

**LENGTH OF COURSE:** One Semester or Year

**CAREER QUEST:**

This course will introduce students to what life after high school will consist of. Students will explore career options and learn about employability skills for job success, decision-making and problem-solving skills as well as communication skills, and personal finance skills needed to live on their own. To prepare for a career, students will start with a job search, create a resume, practice job interviewing and beyond. Other topics included in this course are scholarship completion and essay writing, and how to navigate as a college freshman. Through the course of this class, the students will create a Career Binder which they can take with them. At the end of the class, the students will complete a project which covers all aspects of living on their own.

**LENGTH OF COURSE:** One Semester

**CREDIT:** 0.5 Credit

**PREREQUISITE:** Junior/Senior

**LIVINGSTON AREA CAREER CENTER:** is located at Pontiac Township High School. Approximately 15- 2 year programs are available to juniors and seniors. **A \$100 fee will be charged for each class taken at LACC as part of DTHS registration fee.**

**LENGTH OF COURSE:** 1-2 YEARS

**CREDIT:** 1 credit per class per semester

**PREREQUISITE:** Junior/senior, 2.0 GPA, excellent attendance

**YEARBOOK/JOURNALISM:** This course (associated with the production of the school yearbook) emphasizes writing style and technique as well as production values and organization. The course will introduce students to the concepts of newsworthiness and press responsibility; develop students' skills in writing and editing stories, headlines, and captions; teach students the principles of production design and layout; and teach photojournalism skills, including how to photograph in manual mode. Students will be required to photograph school events outside of the normal school day (on average, one event every two weeks).

**LENGTH OF COURSE:** One semester or full year, can be repeated

**CREDIT:** 0.5 Credit

**PREREQUISITE:** C average in English, consent of instructor

**PEER ADVISOR/TUTOR:** Peer Advisor Class will consist of assisting students at Dwight Grade School and at the Pre-K program. This opportunity is geared toward students who may be considering a career in the education or childcare field. This class will not be graded and students will not receive credit toward their G.P.A. This class may be repeated. Peer Advisor would take the place of a study hall in the student's schedule.

**LENGTH OF COURSE:** One Semester or Year

**PREREQUISITE:** Junior, Senior. Excellent attendance, 3.0 G.P.A, consent of parents, completed application.

**Prerequisite: Students enrolling in these courses are classified as having an Individualized Education Plan (IEP).**

### **BASIC ENGLISH 1**

This course provides instruction in basic language skills, integrated reading, writing, speaking and listening; while placing great emphasis on the progress of individual students. Course content depends upon students' abilities and builds upon students' prior knowledge. Typically, this course may include vocabulary building, improving spelling and grammar and developing writing skills.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

### **BASIC ENGLISH 2**

This course is designed to provide instruction in integrated reading and different genres of literature. Course content depends on students' abilities and builds upon students' prior knowledge. Exploration of each genres' literary elements; determination of theme and intent; and emphasis on comprehension are often included in the course content. Writing assignments are required as an additional method to improve understanding and comprehension.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

### **BASIC ENGLISH 3**

This course provides instruction with the intent to improve a student's reading and writing skills while placing an emphasis on "real-world" applications. Course content depends on students' abilities and builds upon students' prior knowledge which may include critical-thinking, analysis, and comprehension skills. Writing assignments are required as an additional method to improve understanding and comprehension.

**LENGTH OF COURSE:** 1 Semester

**CREDIT:** 0.5 Credit

### **BASIC ENGLISH 4**

This course is designed to focus on students' reading abilities and give students the opportunity to focus on improving their reading skills. Course content depends on students' strengths and weaknesses and is designed to improve students' reading comprehension; by focusing on areas such as making predictions, summarizing text, drawing conclusions and identifying the author's purpose.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

### **VOCATIONAL EDUCATION**

This course helps students explore the workplace and examines their future in it. In addition this class teaches students to become effective members of their community. Topics include: finding and keeping a job, building a resume, successful interviewing, and the skills necessary for independent living. This course can be taken two years in a row as a junior and a senior.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

### **ON THE JOB TRAINING**

This course is offered in conjunction with the vocational education class. Students are placed on campus or in community work sites. Students will work a minimum of 10 hours per week. This course is designed to provide students the opportunity to learn work skills on the job and prepare students for the competitive world of work. The program provides work experiences that coincide with post-secondary work employment goals that could include paid employment or internships. This allows students to gain school credit towards graduation, while gaining hands-on work experience, with as-needed support services.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC MATH**

This year-long course will introduce students to practical, relevant problems of the real world. The students will develop the skills needed to solve real-world problems such as: earning money, paychecks and deductions, savings and checking accounts, using credit, filing income tax forms, measurements, ratio, proportion, and percent, and area.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC PRE-ALGEBRA**

In this year long course students will explore mathematical concepts that are foundations for success in Algebra. Students will become familiar with the following: language of Algebra, number theory, rational numbers and fractions, basic operations and rational expressions, integers, exponents, square roots, and the Pythagorean Theorem.

**LENGTH OF COURSE :** 1 year

**CREDIT:** 1 Credit

**BASIC ALGEBRA**

This year-long course is a study of the language, concepts, and techniques of Algebra that will prepare students to approach and solve problems following a logical succession of steps. Skills taught are simplifying expressions, solving equations, applications with Algebra, exponents and polynomials, factoring, irrational numbers and radical expressions, linear and quadratic functions.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC GEOMETRY**

This year's long course is the study of lines, angles, and basic shapes and figures in one, two and three dimensions. Topics covered include the properties of geometric shapes; symmetry; calculations and measurements of angles, lengths, areas, and volumes; geometric postulates and theorems; linear and quadratic equations, and the use of algebra to solve geometric problems. Skills covered include the transformations of figures, graphing on a coordinate plane, geometric proofs and constructions, creating and solving algebraic equations; and deductive and inductive reasoning.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC SCIENCE:** Basic Science is designed to help students learn important concepts of physical and earth sciences. Students will practice working with data and sharpen their abilities to infer, classify, and theorize. This course includes, but not limited to, topics such as the Metric System, Work & Machines, Weathering & Erosion, and the Solar System.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC BIOLOGY**

Basic Biology is designed to provide information regarding the fundamental concepts of life and life processes. This course includes (but not limited to) such topics as cell structure and function, general plant and animal physiology, genetics and taxonomy

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**BASIC WORLD HISTORY**

Basic World History provides an overview of the history of the world. Major Asian, African, Middle East, and Latin and South American nations are examined. Emphasis is on European development. This course helps provide an understanding of traditions throughout the world and historical ideas and movements that have had an effect on civilizations and nations.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Year

**BASIC CIVICS**

Basic Civics provides an overview of basic political concepts and examines the structure and function of government at the local, state, and national levels. This course will help students demonstrate knowledge about the United States Constitution, branches of Government, and the functionality of the American Government system. Topics include citizenship, political resources, elections, state political activities, federal system, separation of powers, checks and balances, and rights and responsibilities.

**LENGTH OF COURSE:** 1 Semester

**CREDIT:** 0.5 Credit

**BASIC U.S. HISTORY**

The United States History course provides an overview of the history of the American people from the colonial period through contemporary times.

This course helps provide each student with an understanding of themselves and of society, prepares students for citizenship in a democracy, provides the basics for understanding the complexities of the world community, and encourages an understanding of the historical method as a way to understand and interpret human behavior.

**LENGTH OF COURSE:** 1 Year

**CREDIT:** 1 Credit

**APPLIED LANGUAGE ARTS**

This course provides intervention for students experiencing difficulty with the reading process with small group instruction. Students learn compensatory strategies and participate in remedial instruction in the areas of sight word acquisition and reading comprehension. Students determine what the text says explicitly and to make logical inferences from it, as well as cite specific textual evidence. They also determine central ideas or themes of a text. Students work on sentence structure and develop writing with the aid of visual cues and the support of technology as needed. Students gain experience in preparing a cover letter, resume, and job interviewing skills.

**Length of course:** 1 year

**Credit:** 1 credit

**APPLIED CONSUMER EDUCATION**

This course provides an overview of making wise buying decisions including: learning about a product before purchasing, comparing different brands, interpreting ads, and considering wants and needs. Students explore shopping for household items and investigate return policies. Tips for online shopping and protecting online identity are introduced. This course also introduces the rights of consumers in the area of credit card use.

**Length of Course:** 1 semester

**Credit:** 0.5 credit

**APPLIED MATH**

This course helps students develop basic academic and daily living skills in areas of consumer responsibility, money sense, time and measurement, and career awareness.

**Length of Course:** 1 year

**Credit:** 1 credit

**APPLIED SCIENCE**

This course provides instruction in understanding good nutrition; personal hygiene; safety in the home, school, and community; basic first aid practices; appropriate use of prescription and nonprescription medicines; identification of medical services within the community. Community outings are integrated into the learning experience to generalize skills.

**Length of Course:** 1 year

**Credit:** 1 credit

**APPLIED SOCIAL SCIENCE**

This course helps students with IEPs gain initial experiences in the areas of self-advocacy, what it means to have a disability, understanding the IEP process, exploring careers, opportunities for post-secondary education, community resources; student-centered transition planning, identifying a personal support system, personal health and safety, and exploring the community. This course also develops skills for appropriate social skills with friends, co-workers, and provides an introduction to digital citizenship.

**Length of Course:** 1 year

**Credit:**1 credit

**LIFESKILLS**

The functional academics included in this course include caring for personal needs, preparing and consuming food, buying and caring for clothing, public transportation, prevocational skills and appropriate work habits and behavior. This course is designed to develop and support greater independence for young adults affected by a disability.

**Length of Course:** 1 year

**Credit:** 1 credit