AFHS STUDENT SERVICES

REGISTRATION

2017-2018

Check off 1 box from each [English, Math, Science & Social Studies]. You need **8** Primary Selections. Add up how many semesters (some courses are more than 1), now add in your Health/PE course. What will be remaining you may choose for your electives. Then choose 3-4 alternate electives.

PATRIOTS

Apex Friendship High School
9th Grade Course Offering

High School Counselor Has received and signed off._____

Date: _____

Student Name_____ **Date** _____

Middle School _____ **8th Grade Counselor Sign off**_____

Parent has approved of course selections: _____

English/Language Arts (Choose 1)

☐ **Reading Competency (Fall)/English I (Spring) (***Students who have scored below a level 2 on EOG in 7th & 8th grade; only passed 7th & 8th grade ELA* ***with*** *interventions* **(2 classes)**

☐ **English I (1 class)**

☐ **Honors English I** (*must have an 80 or higher in 8th grade Language Arts, or a level IV on 8th grade Reading EOG, and teacher recommendation)* (1 class)

8th grade Language Arts teacher signature

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Math (Choose 1)

☐ **Fundamental of Math I (fall) and Introductory Mathematics (spring)** *(For those who score low level I or II on EOG)* (2 Sem.)

Introductory Mathematics (1 semester only) *(Must score middle to high level II on EOG)*

☐ **Foundations of Math I (fall) and Math I (spring)** *(Must score high level II on EOG)* (2 Sem.)

☐ **Math I** (1 semester only) **(***Must have a 80 test average in 8th grade math and score high level III on EOG)*

☐ **Math Plus (fall) and Honors Math II (spring)** *(must pass Math I in 8th grade with an 70 and score level III EOG)* **(2 Semesters)**

☐ **Honors Math II** (1 semester only) *(Must pass Math I in 8th grade with a 90 or higher and score Level III or IV on EOG)*

☐ **Honors Math III** (1 semester only) (*Must pass Math II in 8th grade with a 90 or higher and score Level III, IV and V on EOG)*

**Please note that Students may repeat a high school course taken in middle school if the student does not feel that they have truly mastered the curriculum. The student will receive a math 'elective' credit for the 1st time s/he took the course in middle school.*

8th grade Math teacher signature

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Social Studies (Choose 1)

☐ **World History**

☐ **Honors World History** *(Must have an 85 or higher in 8th grade social studies and teacher recommendation)*

☐ **AP World History** (*Students* ***must have*** *a 90 or higher in their 8th grade curriculum, level IV in their Reading EOC, and teacher recommendation)*all students must submit an AP Commitment form if signing up for this course*

8th grade social studies teacher signature

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Science (Choose 1)

☐ **Earth Science** *(Must score a level I, II, or III on the 8th grade science EOG)*

☐ **Honors Earth Science**

☐ **Honors Biology** (Student must be registering for Math II (H) **AND** English I (Honors). Student must have a high interest in science.

8th grade science teacher signature

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Health/PE *required unless conflict

☐ All 9th graders are required to take Healthful Living

World Language Electives

☐ French II ☐ Spanish II

Must have completed Level I in 7th or 8th grade

*****Students interested in the Academy of Engineering & Manufacturing will **NOT** register for any Academy courses, but register the same as other 9th graders.

** Academy students will register for **Honors Earth Science** in their freshman year and be placed in an Academy cohort.

ELECTIVES (choose 3 + 3 alternates)

Art Electives

☐ Theatre Arts 1 – Beginning
☐ Technical Theater- Beginning
☐ Visual Arts 1 – Beginning
☐ Vocal Music I **(fall and spring required (2)**
☐ Band I **(fall and spring required) (2)**
☐ Modern Dance I- Beginning

Career Tech Ed Electives

☐ Principles of Business and Finance
☐ Microsoft Word & PowerPoint (honors)
☐ Microsoft Excel (honors)
☐ Personal Finance
☐ Marketing ☐ Fashion Merchandising
☐ Health Team Relations
☐ Foods I ☐ Apparel Development I
☐ Interior Design I
☐ Technology Education Design
☐ Scientific & Technical Visualization I
☐ Computer Programming I
*Math I should be completed

Core Electives:

Honors Courses require students to write and read on grade level according to EOG scores.

☐ Speech I ☐ Speech I (H)

☐ Cont. Law/Just. ☐ Cont. Law (H)

☐ Astronomy ☐ Astronomy (H)
*Math I should be completed

ALTERNATE ELECTIVE CHOICES

Please consider your alternates just as important as your primary electives- more than likely you will end up with at least one if not more of them.

1._____

2._____

3._____

APEX FRIENDSHIP HIGH SCHOOL COURSE DESCRIPTIONS

READING COMPETENCY **10252X0C** **1 CREDIT**
Co-requisite: English I

This course is designed for students entering high school with an intervention plan based on their Level I or Level II score on the eighth grade End-of-Grade Reading Test. This course coaches students in reading skills, thinking skills, and test-taking skills that will enhance the ability to perform grade level work in English I and English II.

ENGLISH I **10212X0** **1 CREDIT**

This academic course is designed for the student who aspires to post-secondary college or career experience. A survey of literary types, this course focuses on reading, writing, speaking and listening, and language. Students should expect homework assignments and/or compositions that reinforce classroom instruction. Writing instruction at this level focuses on mechanical correctness, fluency, and structure. The student is expected to function at grade level in communication and thinking skills.

ENGLISH I (HONORS) **10215X0** **1 CREDIT (HN)**

This honors course is designed to challenge students. It concentrates on developing reading, writing, and critical thinking skills through an intensive survey of literary types and appropriate oral and written responses. The course provides a review of grammar, mechanics, vocabulary, and usage as needed. This college preparatory course focuses on the development of complex thought processes, independence in learning, and creative expression through discussion and frequent writing assignments. Homework is a reinforcement and extension of classroom instruction.

FUNDAMENTAL OF MATH I (ELECTIVE CREDIT) **28002X0B** **1 CREDIT**

Fundamental Math provides learners with an opportunity to review and study foundational topics for higher-level mathematics. Topics include: working with different forms of numbers (rates, ratios, fractions, percent's); exponents and exponential notation; solving percent problems using proportions; integers; square roots; simplifying numerical and algebraic expressions; solving one-variable equations; linear relationships; and statistics. Students will solve relevant and authentic problems using manipulative and appropriate technology.

INTRODUCTORY MATHEMATICS (ELECTIVE CREDIT) **20202X0** **1 CREDIT**

Introductory Math provides learners with an opportunity to review and study foundational topics for higher-level mathematics. Topics include: simplifying expressions and solving one-variable equations and inequalities; one-variable statistics; different representation of functions; linear functions; the Pythagorean theorem; volume; solving systems of linear equations; graphing line of best fit; and operations with polynomials. Students will solve relevant and authentic problems using manipulates and appropriate technology.

FOUNDATIONS OF MATH I (MATH IA) (ELECTIVE CREDIT) **20502X0** **1 CREDIT**

NOTE: This course should be paired with Math IB (21032X0B)

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. In conjunction with Math IB, this course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MATH IB **21032X0B** **1 credit**
Recommended prerequisite(s): Foundations of Math IA
Note: This course should be paired with Foundations of Math IA (20502X0)

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Common Core Math I. The final exam is the North Carolina End-of-Course Test based on the Common Core Math 1 Standards.

MATH I **21032X0** **1 CREDIT**

Recommended prerequisite(s): Mastery of the middle school mathematics curriculum

The purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Common Core Math I. The final exam is the North Carolina End-of-Course Test based on the Common Core Math 1 Standards.

MATH PLUS (HONORS) (ELECTIVE CREDIT) **28005X0L** **1 CREDIT**

Recommended prerequisite(s): Marginal proficiency in Math I in 8th grade

Math Plus deepens the understanding of mathematical concepts covered in Math I to ensure that students are successful in future math courses that involve the Common Core State Standards for Mathematics. Students will be exposed to the content of Math I to reinforce crucial skills needed for Honors level courses. Students will also preview content for Honors Math II.

MATH II (HONORS) **22015X0** **1 CREDIT (HN)**

Recommended prerequisite(s): Math I

In Math II, students continue to deepen their study of quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Math I. The concept of quadratics is generalized with the introduction of more sophisticated polynomials. New methods for solving quadratic and exponential equations are developed. The characteristics of more advanced types of functions are investigated (including power, inverse variation, radical, absolute value, piecewise-defined, and simple trigonometric functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between Math II and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Honors Math II explores content at a rigorous level to begin students' preparation for advanced math courses. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. This course fulfills the North Carolina high school graduation requirement for Math II. The final exam is the North Carolina Final Exam for Math II.

MATH III (HONORS) **23015X0** **1 CREDIT (HN)**

Recommended prerequisite(s): Honors Math II

This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include general triangles and in the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment. The Standard for Mathematical Practice apply throughout each course and, together with the content standards, require that students experience mathematics as a coherent, useful, and logical subject that means use of their ability to make sense of problems situations. This course fulfills the North Carolina high school graduation requirement for Math III. The final exam is the North Carolina Final Exam for Math III.

EARTH SCIENCE/ENVIRONMENTAL SCIENCE **35012X0** **1 CREDIT**

Students are provided an in-depth study of the earth processes including plate tectonics, rock and mineral formation, and landforms. Laboratory work is a major component of the program.

EARTH SCIENCE/ENVIRONMENTAL SCIENCE (HONORS) **35015X0** **1 CREDIT (HN)**

This course focuses on inquiry into the functions of the earth's systems. Emphasis is placed on matter, energy, coastal dynamics, environmental awareness, materials availability, and the cycles that circulate energy and material thorough the earth systems. Laboratory work is a major component of the course.

BIOLOGY (HONORS)

This course is designed to develop student understanding of biological concepts and principles and promote an understanding of plant and animal processes from the cellular to the multi-cellular level. Students do extensive research, independent study, and laboratory investigations. This course is designed for students who have shown superior achievement and high interest in previous science courses. The final exam is the North Carolina Biology End-of-Course Test.

WORLD HISTORY **43032X0 1 CREDIT**

WORLD HISTORY (HONORS) **43035X0** **1 CREDIT (HN)**

This course will address six periods in the study of world history, with a key focus of study from the mid-15th century to the present. Students will study major turning points that shaped the modern world. The desired outcome of this course is that students develop understandings of current world issues and relate them to their historical, political, economic, geographical, and cultural contexts. Students will broaden their historical perspectives as they explore ways societies have dealt with continuity and change, exemplified by concepts such as civilization, revolution, government, economics, war, stability, movement, and technology.

ADVANCED PLACEMENT WORLD HISTORY **4A087X0** **1 CREDIT (AP)**

This course concentrates on the patterns of global processes and contacts in interaction with different types of human societies. This course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Students build an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to C. E. (the Common Era**). Substantial out-of-class reading, writing, and research are expected. Students enrolled in this course are expected to take the College Board Advanced Placement test.**

CONTEMPORARY LAW AND JUSTICE **4802X0J** **1 CREDIT**

CONTEMPORARY LAW AND JUSTICE (HONORS) **48005X0J** **1 CREDIT (HN)**

This course focuses on the legal, judicial, law enforcement and corrections systems of the United States. Examined are relevant examples of civil and criminal laws, law-enforcement methods, court procedures, and efforts toward corrective justice. Students also examine problems within the legal and justice systems.

VISUAL ARTS - BEGINNING **54152X0A** **1 CREDIT**

This course introduces the elements and principles of design through an exploration of a broad range of media. Activities emphasize skills and techniques in the following areas: drawing, painting, graphics, fibers, ceramics, art history, and three-dimensional design (fibers, ceramics, etc.).

MODERN DANCE - BEGINNING **51152X0A** **1 CREDIT**

This course introduces students to movement and choreography through the elements of modern dance. Students will use whole body movements, strength, flexibility, endurance, and proper alignment to develop dance technique. Students will use dance to explore concepts in world history and relate them to significant events, ideas, and movements from a global context. Students will use appropriate behaviors and etiquette while observing, creating and performing dance. Dance attire is required and will be determined by the teacher. Participation in class, after-school rehearsals, and performances is expected.

THEATRE ARTS - BEGINNING **53152X0A** **1 CREDIT**

This course introduces students to the basic aspects of movement, vocal expression, and ensemble work. Class activities include pantomime, improvisation, vocal development, playwriting, and solo/collaborative presentations in acting and theatre production (costumes, lighting, makeup, scenery, and sound). The course offers opportunities to present before an audience.

TECHNICAL THEATRE - THEATRE ARTS SPECIALIZATION (BEGINNING) 53612X0A 1 CREDIT

Students explore the various aspects of design and production for theatre. Areas of study may include scenery, lighting, sound, makeup, properties, costumes, and stage management.

VOCAL MUSIC – MIXED CHORUS – BEGINNING **52302X0A** **1 CREDIT**

This introductory course is open to all students who have an interest in singing. In this class, choral literature is studied in both classical and contemporary fields. Some study is given to a review of the mechanics of music, composers, and music appreciation. Emphasis is placed on correct vocal production, proficiency in music reading, and performance skills. Participation in after-school rehearsals and performances is expected.

INSTRUMENTAL MUSIC: BAND – BEGINNING **52552X0A** **1 CREDIT**
Recommended prerequisite(s): Middle School band or audition

This course introduces basic instrumental music skills. Students focus on the fundamentals of music, correct tone production, balance, intonation, and ensemble playing through the study of simple band literature. Participation in after-school rehearsals and performances is expected.

Personal Finance BF052X0 1 credit
Prerequisite: None

This course prepares students to understand economic activities and challenges of individuals and families, the role of lifestyle goals in education and career choices, procedures in a successful job search, financial forms used in independent living, and shopping options and practices for meeting consumer needs. The course also prepares students to understand consumer rights, responsibilities, and information, protect personal and family resources, and apply procedures for managing personal finances. English language arts and mathematics are reinforced. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. DECA (an association for Marketing Education students), Future Business Leaders of America (FBLA) and Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

PRINCIPLES OF BUSINESS AND FINANCE **BF102X0** **1 CREDIT**

Prerequisite: None

This course introduces students to topics related to business, finance, management, and marketing to cover business in the global economy, functions of business organization and management, marketing basics, and significance of business financial and risk management. English language arts, social studies, and mathematics are reinforced. Students will have daily access to computers for application of content current/real world topics. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. DECA (an association for Marketing Education students) and Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

Microsoft Word & Power Point (Honors) **BM105X0** **1 credit (HN)**

Prerequisite: None

Students enrolled in Microsoft IT Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Word and Microsoft PowerPoint to create, enhance, customize, share, and deliver complex documents and presentations, such as those used in business and industry. Microsoft Publisher, OneNote, and Outlook are supplemental competencies for this course. English language arts are reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeships are not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Students enrolled in this course are expected to take the Microsoft Office Specialist (MOS) certification exam for Microsoft Word and Microsoft PowerPoint., this Honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments. Students will be expected to take and pass the Microsoft Office Specialist (MOS) certification exam for Microsoft Word and Microsoft PowerPoint.

Microsoft Excel & Access (Honors) **BM205X0** **1 credit (HN)**

Prerequisite: None

Students enrolled in Microsoft IT Academy courses benefit from the use of world-class Microsoft curriculum and software tools to tackle real-world challenges in the classroom and have the opportunity to apply their skills and knowledge to earn industry-recognized credentials. In this course, students will learn to use the latest versions of Microsoft Excel to analyze, manipulate, and present various types of data and Microsoft Access to create, modify, and locate information, as well as how to create programmable elements and share and distribute database information. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include cooperative education, internship, service learning, and job shadowing. Apprenticeship is not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Students enrolled in this course are expected to take the Microsoft Office Specialist (MOS) certification exam for Microsoft Excel and Microsoft Access, this Honors-level course extends the standard course of study to a more challenging level for the student who is highly motivated, able to work independently, and has a history of high academic achievement. . Honors credit will be awarded to students that successfully complete an Honors portfolio for the course that consists of college/career-themed projects and assessments. Students will be expected to take and pass the Microsoft Office Specialist (MOS) certification exam for Microsoft Excel and Microsoft Access.

COMPUTER PROGRAMMING I **BP102X0** **1 CREDIT**

Prerequisites: None
Recommended for Grades 10-12

This course is designed to introduce the concepts of programming, application development, and writing software solutions in the Visual Studio environment. Emphasis is placed on the software development process, principles of user interface design, and the writing of a complete Visual Basic program including obtaining and validating user input, logical decision making and processing, graphics, and useful output. Mathematics is reinforced throughout the course. Work-based learning strategies appropriate for this course include entrepreneurship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. Future Business Leaders of America (FBLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

APPAREL AND TEXTILE PRODUCTION I **FA312X0** **1 credit**

Prerequisite: None

In this course students are introduced to clothing production in the areas of preparation for clothing construction, basic clothing construction techniques, consumer decisions, textiles, historical perspectives and design, and career opportunities. Emphasis is placed on students applying these construction and design skills to apparel and home fashion. Art, mathematics, and science are reinforced. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and Cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

INTERIOR DESIGN I **FI512X0** **1 CREDIT**

Prerequisite: None

This course focuses on housing needs and options of individuals and families at various stages of the life cycle. Emphasis is placed on selecting goods and services and creating functional, pleasing living environments using sound financial decisions and principles of design. Topics of study include elements and principles of design, backgrounds and furnishings, architectural styles and features, and functional room design. Art and mathematics are reinforced. Work- based learning strategies appropriate for this course include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. Family, Career Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

FOODS I** **FN412X0** **1 CREDIT**

Prerequisite: None

This course examines the nutritional needs of the individual. Emphasis is placed on the relationship of diet to health, kitchen and meal management, food preparation and sustainability for a global society, and time and resource management. English language arts, mathematics, science, and social studies are reinforced. Work-based learning strategies appropriate for this course include service learning and job shadowing. Apprenticeship and cooperative education are not available for this course. Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

HEALTH TEAM RELATIONS **HU102X0** **1 credit**

Prerequisite: None

This course is designed to assist potential health care workers in their role and function as health team members. Topics include terminology, the history of health care, health care agencies, ethics, legal responsibilities, careers, holistic health, human needs, change, cultural awareness, communication, medical math, leadership, and career decision making. English language arts are reinforced. Work-based learning strategies appropriate for this course include service learning, field trips, and job shadowing. Apprenticeship and cooperative education are not available for this course. English language arts and social studies are reinforced in this course. Health Occupations Students of America (HOSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills to authentic experiences.

FASHION MERCHANDISING **MI212X0** **1 CREDIT**

Prerequisite: None

In this course students are introduced to the fashion and merchandising industries. Students acquire transferable knowledge and skills among the concepts of the business of fashion, fashion promotion events, the evolution and movement of fashion, the fashion industry, career development, merchandising of fashion, and the selling of fashion. Mathematics and science are reinforced. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) and Family, Career and Community Leaders of America (FCCLA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

MARKETING **MM512X0** **1CREDIT**

Prerequisite: None

In this course, students develop an understanding of the processes involved from the creation to the consumption of products/services. Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Students develop an understanding of marketing functions applications and their impact on business operations. Mathematics and social studies are reinforced throughout the course. Work-based learning strategies appropriate include cooperative education, entrepreneurship, internship, mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship is not available for this course. DECA (an association for Marketing Education students) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

SCIENTIFIC AND TECHNICAL VISUALIZATION I **TS212X0** **1 CREDIT**

Prerequisite: None

This course introduces students to the use of complex graphic tools. Emphasis is placed on the principles, concepts, and use of complex graphic and visualization tools as applied to the study of science and technology. Students use complex 2D graphics, animation, editing, and image analysis tools to better understand, illustrate, explain, and present technical, mathematical, and/or scientific concepts and principles. Emphasis is placed on the use of computer-enhanced images to generate both conceptual and data-driven models, data-driven charts and animations. Science, math, and visual design concepts are reinforced throughout the course. Activities are structured to integrate physical and social sciences, mathematics, English language arts, and art. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. Technology Student Association (TSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences.

TECHNOLOGY ENGINEERING AND DESIGN **TE112X0** **1 CREDIT**

Prerequisite: None

This course focuses on the nature and core concepts of technology, engineering, and design. Through engaging activities and hands-on project-based activities, students are introduced to the following concepts: elements and principles of design, basic engineering, problem solving, and teaming. Students apply research and development skills and produce physical and virtual models. Activities are structured to integrate physical and social sciences, mathematics, English language arts, and art. Work-based learning strategies appropriate for this course include mentorship, school-based enterprise, service learning, and job shadowing. Apprenticeship and cooperative education are not available for this course. Technology Student Association (TSA) competitive events, community service, and leadership activities provide the opportunity to apply essential standards and workplace readiness skills through authentic experiences. Students who have taken 8110 Fundamentals of Technology should not be enrolled in this course.

SPEECH I **10142X0** **1 CREDIT**

This course, designed for the beginning and experienced public speaker alike, helps all students excel as it cultivates a positive and supportive classroom environment in which students become comfortable in front of an audience of their peers, giving a wide variety of speeches, practicing the virtues' of constructive criticism, and learning the fundamentals of academic and legislative debate.

SPEECH I (HONORS) **10145X0** **1 CREDIT (HN)**

This course is designed for students interested in exploring the Speech I curriculum at a more intensive and extensive level. Students taking this course for Honors credit must write and deliver deeply considered and polished responses to course assignments, participate in peer review panels, and extend their thinking through preparing presentations that fulfill fundamental standards for selected events promoted by the National Forensics League.

ASTRONOMY **35402X0** **1 CREDIT**

The underlying principles of life, earth, and physical science are integrated in this study of the universe. Historical astronomy, the solar system, comets, constellations, extraterrestrial life, and the evolution of stars are the major topics of study. Observational astronomy skills and critical thinking are fostered through the use of laboratory and field activities.

ASTRONOMY (HONORS) **35405X0** **1 CREDIT**

FRENCH II **11022X0** **1 CREDIT**

Recommended prerequisite(s): French I

Students enrolled in this course have successfully completed a Level I course at middle or high school or have placed out Level I due to previous language study and/or established proficiency.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in short conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in present time and past time, inside and outside of the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple text.

Students develop a better understanding of the similarities and differences between cultures and languages and they examine the influence of the beliefs and values on the target culture(s). Integration of the other disciplines is ongoing throughout the course.

SPANISH II **11422X0** **1 CREDIT**

Recommended prerequisite(s): Spanish I

Students enrolled in this course have successfully completed a Level I course at middle or high school or have placed out Level I due to previous language study and/or established proficiency.

This course provides students with opportunities to continue the development of their listening, speaking, reading, and writing skills. Students participate in short conversational situations by combining and recombining learned elements of the language orally and in writing. They are able to satisfy basic survival needs and interact on issues of everyday life in present time and past time, inside and outside of the classroom setting. They compose related sentences which narrate, describe, compare, and summarize familiar topics from the target culture. Focus is placed on understanding main ideas in simple text.

Students develop a better understanding of the similarities and differences between cultures and languages and they examine the influence of the beliefs and values on the target culture(s). Integration of the other disciplines is ongoing throughout the course.