



Kea'au High School  
Course Description Guide  
2025-2026  
9<sup>th</sup> Grade



## Notice of Language Assistance

If you have difficulty understanding English, you have the right to receive language assistance at no cost to you. Please contact your school's principal for more information.

(Traditional Chinese / 繁體中文)

如果您理解英語有困難，您有權得到免費的語言幫助。請聯繫您的學校校長以獲得更多信息。

(Simplified Chinese / 简体中文)

如果您理解英語有困難，您有權得到免費的語言幫助。請聯繫您的學校校長以獲得更多信息。

(Japanese / 日本語)

英語の理解に困難を覚える方は、無料で言語支援を受ける権利があります。詳細につきましては学校長にお問合わせください。

(Hawaiian / 'Ōlelo Hawai'i) Ina pilikia oe i ka hoomaopopo i ka olelo Pelekania, he kuleana no kou e lawelaweia oe i ke kokua olelo me ka uku ole. E hui kuka me ke poo kumu o kou kula no kekahi ike hou aku.

(Korean / 한국어) 영어를 이해하는데 어려움이 있는 경우, 무료로 통역 지원을 받을 권리가 있습니다. 더 자세한 정보는 학교장에게 연락하십시오.

(Chuukese / Kapasen Chuuk) Ika epwe weires ngonuk omw weweiti fōós un Merika, mi wor omw pwúung omw kopwe angei aninnisin aweween fōós esapw kame. Kose mochen kékkéeri ewe meinapen ewe sukkun (Principal) ren tichikin pworausan.

(Ilokano / Ilokano) Nu narigat mo a maawatan ti Ingles, karbengam nga umawat ti tulong ti lenggwahe ket awan bayad na dayta a serbisyo. Para ti kanayonan nga impormasyon, mabalin a kontakem ti prinsipal ti eskwelaan yo maipanggep iti dayta a serbisyo.

(Samoan / Gagana Samoa) Afai e faigatā ona ē malamalama i le Igilisi, e i ai lau aiā e maua ai le fesoasoani tau gagana e aunoa ma se tupe e te togoti ina. Fa'amolemole fa'afeso'ota'i le pule o lau aoga mo nisi fa'amatalaga.

(Tongan / Lea faka-Tonga) Kapau 'oku faingata'a ke mahino kiate koe 'a e lea faka-Papalangi, 'oku 'i ai ho'o totonu ke ke ma'u ha tokoni fakatonulea 'ikai totongi. Kataki 'o fetu'utaki ki he puleako ki ha toe fakakiiki ange.

(Tagalog / Tagalog) Kung nahihirapan kang intindihin ang Ingles, karapatan mong makatanggap ng tulong para sa lenggwahe at libre ang serbisyong ito. Para sa karagdagang impormasyon, maari mong kontakin ang prinsipal ng iyong paaralan tungkol sa serbisyong ito.

(Cebuano / Sugboanon) Kon kamo adunay kalisud sa pagsabut sa Iningles, naa moy katungod sa pagdawat sa tabang sa pinulongan nga walay gasto kaninyo. Palihog kontakta ang prinsipal sa inyong eskwelahan alang sa dugang nga impormasyon.

(Vietnamese / Tiếng Việt) Nếu quý vị thấy khó khăn trong việc hiểu tiếng Anh, quý vị có quyền nhận được sự hỗ trợ ngôn ngữ miễn phí. Vui lòng liên hệ hiệu trưởng của trường quý vị để biết thêm thông tin.

(Spanish / Español) Si tiene dificultad para entender Inglés, tiene derecho a recibir asistencia lingüística sin costo alguno para usted. Comuníquese con el director de su escuela para obtener más información.

(Marshallese / Kajin Majōl) Elaññe ejabwe am melele kajin Pälle, ewōr am jimwe ñan jibañ ko ikijien ukok ilo ejelok wōnen. Jouj im kōjjelāik lok principle eo an jikuul eo am ñan melele ko rellap lok.

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# KEA'AU HIGH SCHOOL COURSE CATALOG

## 2025 – 2026

Any course may be canceled at a later date due to not meeting the minimum amount of students needed for the course to be offered.

### COURSE SCHEDULING

1. All students have an equal opportunity to enroll in courses regardless of race, color, religion, sex, handicap, or national origin. All classes are co-educational.
2. Failure to list preferred courses and/or not turning in registration form by the deadline will result in forced scheduling.
3. Plan your program CAREFULLY:
  - a. Take time and read the course description for classes that you plan to enroll in. Make your decisions carefully and wisely.
  - b. You will be held accountable for the courses that you sign up for during registration.
  - c. You may repeat a course to improve your grades but will not earn additional credit. The lower grade will be dropped when calculating your grade point average.
  - d. Discuss your program with your parents/guardians. They might have suggestions and/or answers to questions that you might have.
  - e. If you need more information or help regarding a particular course that you plan to take, ask a teacher who teaches that course or one who teaches in that subject area.
4. When thinking about course selections, keep in mind:
  - a. The requirements for graduation.
  - b. Your educational, occupational, and life goals.
  - c. Your experiences in courses that you have already taken.
  - d. The pre-requisites for the course.
  - e. Your abilities as reflected in standardized tests, your interests and performance in school.
5. Your Advisory Teacher will assist you in completing your selection of course and registration forms.
6. Students interested in: auditing courses for no credit, taking college courses, taking any off campus credit courses, going “off campus” (seniors only), graduating early, or any other unusual situation should see both their counselor and the registrar.

Promotion: Students must earn the following amount of credits at the end of the designated year to be promoted to the next grade.

Grade 9	5 credits
Grade 10	11 credits
Grade 11	17 credits

Students who do not meet the promotion requirement will remain in the retained grade level for the entire school year, except for students who can be upgraded to senior status at the end of the first semester of the senior year. All other accelerations will be done at the beginning of each school year.

**GRADUATION REQUIREMENTS**  
**Class of 2016 and Beyond**

Course Requirements	Credits	Required Courses
English	4.0 credits	English Language Arts 1 English Language Arts 2, English Language Arts 3, English Language Arts Elective 1 Credit for each
Social Studies	4.0 credits	US History 1 credit World History 1 credit Modern History of Hawaii .5 credit Participation in Democracy .5 credit Social Studies Elective 1 credit
Mathematics	3.0 credits	Algebra 1 1 credit Geometry 1 credit Basic Math Electives 1 credit
Science	3.0 credits	Biology 1 credit Science Elective 2 credit
World Language  OR  Fine Arts  OR  Career and Technical Education(CTE)	2.0 credits	<b>World Languages:</b> Two credits in a single World Language. Credits must be taken in sequence.  OR <b>Fine Arts:</b> Two credits in Fine Arts  OR <b>Career and Technical Education</b> Two credits in a single career pathway program of study.
Physical Education	1.0 credit	Physical Ed Lifetime Fitness .5 credit Basic Physical Ed Elective .5 credit
Health	0.5 credit	Health Today and Tomorrow .5 credit
Personal/Transition Plan	0.5 credit	Personal Transition Plan .5 credit
Electives	6.0 credits	
<b>Total</b>	<b>24 credits</b>	

## Honors Recognition Certificate Requirements

Academic Honors	CTE Honors	STEM Honors	Grade Point Average
<p>Overall GPA of 3.0 min</p> <p><b>Four credits of Math:</b> The 4<sup>th</sup> credit beyond Algebra 2 must be earned via a combination of the following half-credit courses (or equivalent IB math courses): Algebra 3 Trigonometry, Analytic Geometry, Precalculus.</p> <p><b>Four credits of Science:</b> Of the four credits, one credit must be in Biology (or equivalent IB, or AP Biology courses) and the other three credits must be lab-based science credits.</p> <p><b>TWO credits minimum</b> must be from AP/IB/Running Start courses (equivalent to credits for two college courses).</p>	<p>Overall GPA of 3.0 min</p> <p>Complete a two course sequence in an approved CTE Program of Study</p> <p>Earn a B or better in each required program of study (coursework).</p> <p>Meet or exceed proficiency on performance-based assessments for corresponding program of study</p>	<p>Overall GPA of 3.0 min</p> <p><b>Four credits of Math:</b> The 4<sup>th</sup> credit beyond Algebra 2 must be earned via a combination of the following half-credit courses (or equivalent IB math courses). Algebra 3, Trigonometry, Analytic Geometry, Precalculus</p> <p><b>Four credits of Science:</b> Of the four science credits, one credit must be earned in Biology 1 (or equivalent IB Biology, or AP Biology courses); and the other three credits must be lab-based science credits</p> <p><b>A STEM Capstone/STEM Senior Project</b></p>	<p>Cum Laude – 3.0 to 3.5</p> <p>Magna Cum Laude- 3.5+ to 3.8</p> <p>Summa Cum Laude- 3.8+ and above</p>

### RECOMMENDED SCHEDULES FOR GRADES:

	GRADE 9	GRADE 10	GRADE 11	GRADE 12
ENGLISH	English 1	English 2	English 3	English 4
SOCIAL STUDIES	US History & Government	World History	MHH/PID	SS elective/ SS elective
MATHEMATICS	Geometry	Algebra	Math Elective	
SCIENCE	Physical Science	Biology	Science Elective	
PE/HEALTH	PE Life Fitness Transition	PE Basic Health		
ELECTIVE				
ELECTIVE				
ELECTIVE				

Kea'au High School  
SCHEDULE CHANGE POLICY

Schedule changes may be done for the following reasons:

1. Scheduling error (two of the same courses on schedule)
2. Incomplete schedule
3. Credit received from summer school, Running Start, Upward Bound, or credit recovery.
4. Off Campus - To obtain "OFF CAMPUS", a student must meet one of the following:
  - a) Employment, verification of employment needed
  - b) Early admission into an institution of higher learning or Running Start
  - c) Other verification reason approved by the principal
5. Incorrect level placement
6. Course required for graduation

**SEMESTER 1**

1. Schedule changes will be allowed from the beginning of the first semester till Mid-Quarter 1.
2. Any change request after the deadline will require administration approval.
3. After the deadline (mid-quarter 1), no schedule changes for a different content/subject area will be allowed.
4. There will be no schedule changes for semester courses after seven weeks into the first quarter.
5. Students who choose to be in School Service must make schedule changes within the first three weeks. There shall be no more than one School Service student, per period, per teacher. Students may have no more than one (1) per year. Grade 9/10/11 students cannot sign up for School Service
6. Students who are failing a course and enroll in School Service must remain with the same teacher.

**SEMESTER 2**

1. Schedule changes will be allowed from the beginning of the second semester for three weeks.
2. Any change request after the deadline will require administrative approval
3. After the deadline, no schedule changes for a different content/subject area will be allowed.
4. There will be no schedule changes for semester courses after seven weeks into the third quarter.
5. There will be no schedule changes for year courses after mid-quarter 2.
6. Students who are failing a course and enroll in School Service must remain with the same teacher.
7. NO SCHEDULE CHANGES WILL BE PROCESSED IN THE 4<sup>TH</sup> QUARTER.

The "drop teacher" is responsible for sending the student's exit grade to the "add teacher" when a change is made.

All teachers are responsible for providing a quarter/semester/year grade three (3) weeks before the end of the respective quarter/semester/year.



## LANGUAGE ARTS

### English 9 - LCY1010

1 Credit

This course provides students with a balanced program based on the Common Core State Standards reading, writing and oral communication. Students will explore the conventions of different genres of fiction and non-fiction in both reading and writing exercises. Through literature students will develop an understanding of human nature, and an appreciation of the writer's crafting techniques. Using the writing process from graphic organizers to final drafts students will connect what they have read to their personal lives and to the world. Communicating in small group settings and whole class settings is expanded to include recitation of poetry, prose or a persuasive speech.

### English 9 Honors – LCY1010H

1 Credit

This course provides students with a balanced program based on the Common Core State Standards reading, writing and oral communication. Students will explore the conventions of different genres of fiction and non-fiction in both reading and writing exercises. Through literature students will develop an understanding of human nature, and an appreciation of the writer's crafting techniques. Using the writing process from graphic organizers to final drafts students will connect what they have read to their personal lives and to the world. Communicating in small group settings and whole class settings is expanded to include recitation of poetry, prose or a persuasive speech. This course is a fast-paced and emphasizes the various forms of literature, creative and analytical writing. *Teacher recommendation.*

## SOCIAL STUDIES

### U.S History and Government – CHU1100

1 Credit

This course examines the development of the United States through historical concepts of change, continuity, and causality; through civics concepts of governance, democracy, conflict, and cooperation; through geographical and anthropological concepts of diversity and unity of human/cultural systems; and through the economic concepts of interdependence, limited resources, and functions of markets. It requires students to judge the past on its own terms, not by present day or current standards, to understand people in the context of their times, and to understand that standards and ideas are constantly changing. This course allows students to examine key ideas, events, people, and movements in the United States, assisting them in developing their own personal, national, and world views necessary to make informed decisions.

## MATHEMATICS

### Geometry - MGX1150

1Credit

This course develops the students' awareness of the processes of deductive and inductive reasoning along with the understanding and use of the relationships among points, lines, and figures. These include relations among lines such as parallelism, intersections, perpendicularity, and relations among figures such as congruence, similarity, symmetry and rigid motions.

### Honors Geometry - MGX1150

1 Credit

This course is intended for 9<sup>th</sup> grade students who have successfully completed Algebra 1 (High School credit) in grade 8 with a solid understanding of its concepts and earned a C average or higher. Honors Geometry is designed to have an intense focus on the critical thinking, problem solving and technological skills in Geometry.

## SCIENCE

### Physical Science – SPH2603

1 Credit

Physical Science is a laboratory course that integrates major theories traditionally learned separately in Chemistry, Physics, and Earth Systems Science. Students use scientific investigation and study relationships between science, technology, and society to understand chemistry concepts that include physical and chemical properties of matter, the physical and chemical changes of matter, and the conservation of matter and energy; physics concepts focus on different forms of energy and energy transformations, relationships between force, mass and motion of objects and understanding the major natural forces of gravitational, electrical and magnetism.

## PHYSICAL EDUCATION

### Physical Education Lifetime Fitness /Transition to High School – PEP1005/TGG1103

Required for all 9<sup>th</sup> grade

#### Physical Education Lifetime Fitness

.5 Credit

This course will integrate physical activity and personal fitness by exposing students to the wide range of physical activity resources. Conditioning principles will be taught with the use of technology such as heart rate monitors and pedometers, where appropriate. Other activities may include, but not limited to: badminton, volleyball, basketball, ultimate Frisbee, archery, bowling, golf, aerobics, soccer, sham ball and softball.

#### Transition to High School

.5 Credit

This course is designed to assist 9th grade students' transition into the high school setting. It develops study habits, employability skills, self-image and basics skills of reading, writing, computer literacy and the general learner outcomes. The course guides students in the establishing of a student portfolio designed to highlight the student's accomplishments throughout their high school career.

## PE ELECTIVES

### Team Sports 1/ Team Sports 2 – PTP1640/PTP1650

.5 Credit/.5 Credit

This course is designed to strengthen movements, concepts, principles, and skills in a variety of team sports. This could include, but is not limited to: adventure games, basketball, volleyball, soccer, softball, team handball, dodgeball, flag football, and other team games. Students will learn positions, rules, etiquette, teamwork, sportsmanship, and strategies. Students should follow certain precautions and safety procedures.

### Individual/Dual Sports – PIP1610/PIP1620

.5 Credit/.5 Credit

This course could include, but is not limited to: archery, gymnastics, judo, tennis, volleyball, badminton, handball, ping pong/table tennis, wrestling, golf, pickleball, and weight training. Outdoor education will also be incorporated such as hiking, camping, backpacking, and survival skills. Due to varying situations this course could also include team sports.

### Physical Fitness for Life 1A/ 1B – PFP1310/PFP1320

.5 Credit/.5 Credit

This course is designed for students to gain an understanding of their bodies and ways to improve their overall fitness through a variety of training methods such as; circuits, body weight exercises, light weight training, aerobic exercise, activities/sports, and others. Students will also practice various measurement assessment activities such as; mile and shuttle run, push-ups, sit-ups, pull-ups, standing long and vertical jump, pacer, sit-and-reach, etc. *It is suggested students take this course BEFORE Body Conditioning or Weight Training.*

## WORLD LANGUAGE

### **Hawaiian Language 1 – WPH1000**

1 Credit

Students will learn the basic fundamentals of the Hawaiian language. Emphasis will be on speaking, listening, reading and writing the Hawaiian language. Students will also gain a basic understanding and appreciation of the Hawaiian culture through the study of the language.

### **Spanish 1 – WES1000**

1 Credit

In this introductory course, students will master the Spanish sound system with emphasis on Spanish pronunciations. Classroom activities encourage students to develop the ability to interact to simple social situations using memorized language re-combinations of learned material supported by basic grammar and vocabulary pertaining to everyday life. An appreciation of Spanish culture will be developed via hands-on activities.

### **Sign Language 1 – WNS1000**

1 Credit

Students will learn the basic fundamentals of sign language. Emphasis will be on learning and practicing receptive skill of basic everyday signs, alphabets and numbers in sign language. They will also gain a basic understanding of deaf culture and different degrees of hearing loss.

### **French 1 – WEF1000**

1 Credit

These courses are designed for the beginning language learner or those who have had very limited exposure to language in elementary and intermediate/middle schools. Students begin the study of the target language and its culture by developing a basic repertoire of learned material needed to comprehend and respond to simple social situations of a daily and recurring nature. Emphasis is placed upon development of basic listening, speaking, reading, and writing skills.

## FINE ARTS - PERFORMING ARTS

### **Chorus 1 – FMC1000**

1 Credit

Chorus 1 is designed for students to develop performance skills, knowledge, and understanding of vocal music. Musical arrangements from a variety of styles and periods are sung in unison and two-part harmony. Solo and ensemble singing are performed

### **Ukulele 1 – FML1000**

1 Credit

Ukulele 1 is an introductory course designed to provide students with the opportunity to develop skills in ukulele playing. Students will be involved with performing, listening to, and evaluating ukulele music.

### **Piano 1 – FMK1000**

1 Credit

This is an introductory course designed to provide students with the opportunity to develop skills in piano playing. Students will be involved with performing, listening to, and evaluating piano music.

### **Intro to Band – FMB1000**

1 Credit

Introduction of musical techniques and instruments are taught in this course. This will include care of an instrument, correct posture, breath control, tone production, intonation, articulation, musical terminology, and fingerings. Students study simple music and are given the opportunity to play and listen to different types of musical compositions.

### **Band 1 – FMB2000**

1 Credit

Band 1 course is designed for students who have fulfilled the requirements of Introductory Band or its equivalent. Continued development of skills and understanding is maintained through studying of complex exercises and performing appropriate music literature. Students develop listening skills to increase understanding of tonality, style, dynamic nuances, and interpretation of various styles of music. Performances for school and public are an integral part of the program. Original band literature, arrangements, and orchestral transcription from Grades I to IV are included for study and performance.

## FINE ARTS - VISUAL ARTS

### **General Art 1 – FVB1000**

1 Credit

This course helps students to explore a variety of media and techniques for personal expression and provides further opportunities for them to apply the elements and principles of design in imaginative solutions to visual problems. Art forms of historical periods and diverse cultures are also studied as contextual and introductions to art processes.

## CAREER AND TECHNOLOGY EDUCATION FOUNDATION COURSES

### **Foundations of Agriculture, Food, & Natural Resources – TAO1000**

1 Credit

Foundation of Agriculture, Food, & Natural Resources is an introductory course designed to inform students about careers in agriculture and understand the important role that agriculture plays in the twenty-first century. This Level I course serves as the foundation course for the Animal Systems, Food Systems, Natural Resources Business, and Natural Resources Management programs of study. Upon completion of the course, a proficient student will have foundational knowledge of various agriculture-related career fields, ecosystems, plant systems, animal systems, and the reproduction systems of plants and animals.

### **Foundations of Architectural Design – TAF1000**

1 Credit

Foundations of Architectural Design is an introductory course designed to inform students about careers in architecture. This course serves as the foundation course for the Architectural Design program of study. Upon completion of the course, a proficient student will have foundational knowledge of the process of architectural design, sketching and technical drawing techniques, and basic tool usage and computer-aided software.

### **Foundations of Automotive Maintenance and Light Repair – TTF1000**

1 Credit

Introduction to Automotive Maintenance and Light Repair (MLR) is an introductory course designed to inform students about careers in automotive repair, as well as basic safety and service skills. This course serves as the foundation course for the Automotive MLR program of study. Upon completion of the course, a proficient student will have foundational knowledge of safety in the workplace, technician service skills, and basic engine and tire maintenance.

### **Foundations of Business & Marketing – TBB1000**

1 Credit

An introductory course designed to inform students about careers in various sectors of business, as well as basic business concepts. This Level 1 course serves as the foundation course for the Business Management, Entrepreneurship, Financial Management, Marketing Management, and Supply Chain and Logistics Technology programs of study. Upon completion of the course, a proficient student will have foundational knowledge of business and business-related occupations and concepts, including management, finance, marketing, and entrepreneurship and how each intertwines.

### **Foundations of Computer Science – TIF1000**

1 Credit

Foundations of Computer Systems and Technology is an introductory course designed to inform students about careers in the information technology sector and basic technologies. This Level 1 course serves as the foundation course for the Programming, Networking, Cybersecurity, Web Design & Development programs of study.

**Foundations of Creative Media - TCC1000**

1 Credit

Foundations of Creative Media is an introductory course designed to inform students about careers in creative media, including digital design and digital film production. This Level 1 course serves as the foundation course for both the Digital Design and Film & Media Production programs of study. Upon completion of the course, a proficient student will be able to explain what comprises the creative media industry sector, explain principles of digital design and its influences, demonstrate basic knowledge of digital camera and video equipment, and create a digital photo collection using design and equipment knowledge. A student will also be able to describe various occupations and outline the steps necessary to advance in specific careers.

**Foundations of Culinary – TTU1000**

1 Credit

This course provides an introduction and orientation to a series of related occupations in the food industry and the qualifications of a successful food service worker. The knowledge, skills, work attitudes and habits developed will enable students to understand basic principles of quantity food preparation, safety and sanitation, use and care of equipment, and food service organization. This course provides practical work experiences in the classroom and laboratory.

**Foundations in Health Services – THF1000**

1 Credit

Foundations of Health Service is an introductory course designed to inform students about careers in the Health Services field, as well as basic medical skills and terminology. This Level I course serves as the foundation course for the Public Health Services, Diagnostic Services, Emergency Medical Services, Human Performance Therapeutic Services, and Nursing Services programs of study. Upon completion of the course, a proficient student will have foundational knowledge of various medical careers, foundational healthcare skills, safety skills, traditional Hawaiian health care philosophies, and ethics.

**Foundations of Construction – TCF1000**

1 Credit

Foundations of Construction is an introductory course designed to inform students about careers in building and construction. This Level 1 course serves as the foundation course for the Residential & Commercial Construction programs of study. Upon completion of this course, a proficient student will be able to describe various construction occupations and outline the steps necessary to advance in specific construction careers. Students will be able to employ tools safely, explain building systems and materials, and interpret basic construction drawings to complete projects, demonstrating proper measurement and application of mathematical concepts.

**Foundations of Manufacturing (Welding) - TAM1000**

1 Credit

Foundations of Manufacturing is an introductory course designed to inform students about careers in advanced manufacturing and related areas, including electronics, welding, automation, robotics, and motor and logic controls. This Level 1 course serves as the foundation course for Welding programs of study. Upon completion of the course, a proficient student will be able to describe various advanced manufacturing occupations and outline the steps necessary to advance in specific careers, employ tools safely, possess foundational knowledge of advanced manufacturing components and processes, interpret basic project drawings, and demonstrate proper measurement and application of mathematical concepts

## Special Programs

### 9<sup>TH</sup> Grade AVID (Advancement via Individual Determination) – TGG8090

1 Credit

AVID is a course which prepares students for college. This course target students in the academic middle (B, C, and some D students) who want to go to college and are willing to work hard. Students will learn organizational skills, study skills, and work on critical thinking and questioning. Students will participate in activities which will make college more attainable. WIC-R or writing, inquiry, collaboration, and reading forms the basis of the AVID curriculum. Prerequisite: teacher recommendation

### Yearbook Production 1 – XYY8610

1 Credit

Students will participate in the production of the school yearbook. Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, reporting, writing, headlines, captions, editing, photography, typography, design, graphics, finances, yearbook campaigns, advertising and distribution.

### Newswriting 1 – LJY8210

1 Credit

This course is for students who are interested in participating as a member of the school newspaper staff. It covers study of the various parts of the newspaper, its major functions, and the responsibilities involved in newspaper production.

### Cadet Core – XLP1015QA/ XLP1015QB

1 Credit

The Cadet Core is a leadership development program with the mission to help all students become their best version. Content is aligned to national standards with a curriculum that stretches over four years and emphasis is placed on leadership, uniforms, physical fitness, and academics. Students learn responsibility in a rigorous environment in which uniform expectations are high and discipline is established through drill and ceremony and inspections.

### Intro Engineering – XET0100

1 Credit

This is a basic introduction to engineering course for all students. Concepts and standards from Math, Science, Career and Technical Education, Social Studies and Language Arts will be integrated into the development of ideas and projects which better human life. Course topics include What is engineering, Engineering Communications, History of Engineering, Design and Modeling, Basic Electricity, Introduction to 3D Solid Modeling, and Problem Solving. Students will produce a culminating project which integrates the multiple content areas. This is the first in a series of courses for an Academy of Engineering program.