

Konawaena *High School*



2024-25 COURSE GUIDE

<http://www.konawaenahs.org>

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High School Diploma Requirements

English	4.0 credits including: <ol style="list-style-type: none"> English Language Arts 9 English Language Arts 10 English Language Arts 11 or *English Language Arts Hawaii/Pacific Literature 11 (The PI or Hawaii/Pacific Island Literature course focuses on texts from the region, as well as the same skills and standards as the general English class.) English Language Arts 12- or *English Language Arts Hawaii/Pacific Literature 12 (The PI or Hawaii/Pacific Island Literature course focuses on texts from the region, as well as the same skills and standards as the general English class.)
Social Studies	4.0 credits including: <ol style="list-style-type: none"> World History US History Modern History of Hawaii and Participation in a Democracy Required Social Studies Elective <ul style="list-style-type: none"> Psychology and Sociology American Problems and Asian Studies Economics and Geography AP US History AP US Government and Politics
Mathematics	3.0 credits including: <ol style="list-style-type: none"> Algebra 1 Geometry Required Math Elective <ul style="list-style-type: none"> Algebra 2 with optional Algebra 2 Workshop (Workshop is 1.0 elective credit) Modeling Our World 2-Financial Algebra Introduction to College Math* AP Pre-Calculus* AP Statistics* AP Calculus* AP Computer Science Principles* <p>*Completion of Algebra 2 Required</p>
Science	3.0 credits including: <ol style="list-style-type: none"> Physical Science (Honors prerequisite - Algebra 1) Biology (Honors prerequisite- grade level or higher reading level) Required Science Elective <ul style="list-style-type: none"> Chemistry Environmental Science Human Physiology AP Biology AP Physics (Algebra Based) AP Chemistry
Physical Education	1.0 credit <ol style="list-style-type: none"> PE Lifetime and PE Activities (.5 credit each)
Health	0.5 credit
Personal Transition Plan (PTP)	0.5 credit completed in advisory class, Junior year.

Electives (based on career and post-secondary plans)	<p>8.0 credits including:</p> <p>Students must accrue at least 2.0 credits in ONE of the following specified programs of study.</p> <p>World Language</p> <ul style="list-style-type: none"> • Japanese • Spanish • Hawaiian <p>Career and Technical Education</p> <p>Fine Arts</p> <p>Junior Reserves Officers' Training Corps (JROTC)</p> <p>Advancement Via Individual Determination (AVID)</p> <p>Leadership</p> <p>Argument & Debate</p> <p>Journalistic Writing and Publishing</p> <p>Creative Writing</p> <p>Applied Music</p> <p>Ukulele/Guitar</p> <p>Design (includes AP Drawing and design)</p> <p>Advertising Art</p> <p>Hawaiian Dance</p> <p>Weight Training</p> <p>Team Sports</p> <p>Individual & Dual Sports</p> <p>Yearbook</p>
Special Programs	Communication and Literacy Skills for Newcomers 1A & 1B (9-12 Supplemental Elective)
Total	24.0 credits

Notes:

1. Two credits in a single World Language. Credits must be taken in sequence with consecutive course numbers in the study of one language.
2. Two credits in a Fine Arts discipline: Visual Arts, Music, Drama or Dance. Credits do not need to be in a single discipline.
3. CTE: Two credits need to be in a single [career pathway program of study](#) sequence. JROTC: Two consecutive JROTC courses fulfill CTE two credits for diploma requirements.

ADVICE

Credits Tracker <i>(hover over subject for required courses)</i>			
Subject Area	Required	Earned	Elective
Math	3	0	0
English/Language Arts	4	0	0
Science	3	0	0
Social Studies	4	0	0
PE	1	0	-
Health	0.5	0	-
Transitions	0	0	-
Electives/TA (includes "Elective" column)	6	0	-
World Language/CTE/JROTC	2	0	0
PTP	0.5	0	-
Total	24	0	

Possible Post-Secondary Plans

4-year college	2.0 credits in World Language Algebra 2 1.0 credit in Fine Art (depends on which state you want to attend college in)
2-year college	High school diploma
Technical training	High school diploma
Military	JROTC career and technical elective program of instruction developed by representatives of the Army, Navy, Air Force, and Marine Corps. The curriculum is designed to teach high school students the value of citizenship, leadership, service to country, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline.
Work/Career	High school diploma
NCAA/NAIA http://www.ncaapublications.com/productdownloads/COUNSELORS19.pdf	4 English courses (one per year) 4 math courses (one per year) 4 science courses (one per year) 4 social science courses (one per year)

Honors Recognition Certificate Requirements

Academic Honors	<ul style="list-style-type: none"> • Cum GPA of 3.0 or above • 4 credits of Math (including Alg 2 and above) • 4 credits of Science (including Biology 1) • 2 credits minimum from AP/Early College or Running Start
CTE Honors	<ul style="list-style-type: none"> • Cum GPA of 3.0 or above • Completes program of study with B or better • Meets/exceeds proficiency on performance-based assessments for corresponding program of study.
STEM Honors	<ul style="list-style-type: none"> • Cum GPA of 3.0 or above • 4 credits of Math (including Alg 2 and above) • 4 credits of Science (including Biology 1) • Successful completion of a STEM Capstone Project in one of the approved ACCN courses
Recognition Diploma with Honors	<ul style="list-style-type: none"> • Cum GPA of 3.0 or above • Cum Laude 3.0-3.5 • Magna Cum Laude 3.5+ -3.8 • Summa Cum Laude 3.8+ • State of Hawai'i graduation requirements • Pass Algebra 2 End of Course Exam
Konawaena High School Valedictorians	<ul style="list-style-type: none"> • Cum GPA of 4.000 or above • complete all Honors Recognition Diploma requirements

CTE Pathways Video

DRAFT VERSION 1.4

13 CTE CAREER PATHWAYS AND PROGRAMS

Cultural Arts, Media, and Entertainment

- Digital Design
- Film and Media Production
- Fashion and Artisan Design

Business Management, Finance, and Marketing

- Business Management
- Financial Management
- Supply Chain and Logistics Technology
- Entrepreneurship
- Marketing Management

Health Services

- Public Health Services
- Emergency Medical Services
- Human Performance Therapeutic Services
- Nursing Services
- Diagnostic Services

Information Technology and Digital Transformation

- Artificial Intelligence (AI)
- Networking
- Web Design and Development (WDD)
- Programming
- Cybersecurity (Cyber)

Building and Construction

- Mechanical, Electrical, and Plumbing (MEP) Systems
- Residential and Commercial Construction

Advanced Manufacturing

- Automation and Robotics Technology
- Electro-Mechanical Technology
- Welding

Energy

- Alternative Fuels Technology
- Power Grid Technology
- Renewable Energies Technology

Architectural Design and Engineering Technology

- Architectural Design (AD)
- Engineering

Transportation Services

- Automotive Maintenance and Light Repair (MLR)
- Automotive Collision Repair
- Aviation Maintenance Technology
- Marine Maintenance Technology

Agriculture, Food, and Natural Resources

- Animal Systems, Food Systems
- Natural Resources Business
- Natural Resources Management

Education

- Learning Support Professionals (LSP)
- Teaching As a Profession (TAP)

Hospitality, Tourism, and Recreation

- Culinary Arts
- Sustainable Hospitality and Tourism Management

Law and Public Safety

- Law Enforcement Services
- Fire and Emergency Services (FES)
- Pre-Law

Career Pathway	Careers	KHS Courses
Cultural Arts, Media and Entertainment	<ul style="list-style-type: none"> • Animation • Broadcast Media • Digital Media • Entrepreneurship • Fashion Design • Game Design • Graphic Design I • Graphic Design II • Web Design • Journalistic Writing and Publishing • Creative Writing 	First course required: Foundations of Creative Media or Foundations of Fashion and Artisan Design
Business Management, Finance, and Marketing	<ul style="list-style-type: none"> • Accounting I • Accounting II • Business Law • Entrepreneurship • Finance • Human Resources Management • Management • Management Information Systems • Marketing • Office Administration • Oracle Certification • Retail Marketing and Merchandising • Travel Management 	First course required: Foundations of Business and Marketing
Health Services	<ul style="list-style-type: none"> • Advanced Health Svcs • Emergency Medical Services • Health Information • Medical Biotechnology • Nurse's Aide Training • Nutrition 	First course required: Foundations of Health Services
<u>Hospitality, Tourism, and Recreation</u>	<ul style="list-style-type: none"> • Culinary I • Culinary II • Hospitality Services • Restaurant Chef • Personal or Private Chef • Caterer • Baking and Pastry Chef • Cooking School Instructor • Food Service or Restaurant Manager • Head cooks • Hospitality Industry 	First course required: Foundations of Culinary Arts, Culinary 1

Information Technology and Digital Transformation	<ul style="list-style-type: none"> • A+ Certification • Building and Construction I • Building and Construction II • CISCO Certification • Computer Networking • Cybersecurity • Computer Technician • Design Technology I • Design Technology II • Electrical Installation • Electronics and Electrical Engineering I • Electronics and Electrical Engineering II • Engineering Technology I • Engineering Technology II • Entrepreneurship 	First course required: Industrial & Engineering Technology
Agriculture, Food, and Natural Resources	<ul style="list-style-type: none"> • Animal Systems I, II • Environmental and Conservation Sciences • Entrepreneurship • Environmental Resource Management • Fisheries • Forestry • Natural Resource Business Development • Natural Resources Biotechnology I • Natural Resources Biotechnology II • Natural Resources Production I • Natural Resources Production II • Plant Design and Management • Plant Systems I 	First course required: Foundations of Agriculture, Food, and Natural Resources
Education	<ul style="list-style-type: none"> • Teacher 	First course required: Foundations of Education
Transportation Services	<ul style="list-style-type: none"> • Auto Mechanic • Auto Body 	First course required: Introduction to Automotive Maintenance and Light Repair (MLR)

Advanced Placement (AP) Programs

<https://apstudents.collegeboard.org/course-index-page>

The Advanced Placement (AP) Program provides college level courses to capable students in various subject areas. The College Entrance Examination Board provides course descriptions for the program and prepares examinations based on these descriptions. Students are expected to take the exam and those who pass the examinations may be granted college credits by the colleges. For specific course descriptions and prerequisites, please click on the link above. The College Board has certified all teachers teaching these AP courses in their respective discipline.

The following courses are offered as AP courses:

Art:	AP Drawing AP 2D Design AP 3D Design
Mathematics:	AP Calculus AP Statistics AP Computer Science Principles
Science:	AP Biology AP Physics 1-Algebra Based AP Chemistry
Social Studies:	AP US History (APUSH) AP US Gov & Pol
World Languages:	AP Japanese

Personal Transition Plan (PTP)

This semester credit is awarded during a student's junior year and is required for graduation. The credit achievement is based on work that is completed during the advisory period grades 9-12. The career portfolio at Konawaena includes:

- Resume
- Personal Statement
- 4-Year Plan (Google Sheet created with Advisory teacher & School Counselor)
- Post-Secondary Checklist
- Senior Interview

English Language Arts

Recommended Course Sequence:

Freshman Year: English 9

Sophomore Year: English 10

Junior Year: English 11

Senior Year: English 12 or English 100

LCY 1010: English Language Arts 1 Grade 9:

This course provides a balanced program of reading, writing, and oral communication. All of the ninth-grade benchmarks are addressed in this course. Reading, writing, speaking, and listening are experienced as interactive and interrelated processes focusing both on meaning and on semantic, syntactic, and grammatical conventions. Students work with both informational and literary texts. The study of informational texts requires that students conduct research, extract and construct meaning, and complete tasks. The study of literature gives students an opportunity to read, interpret, and respond to literature personally and critically. Texts are carefully selected to include a range of traditional and contemporary, canonical and non-canonical texts in many genres. The study of language focuses on how it is used in relevant social contexts and how it is used by individuals to structure their perceptions and experiences. Required for graduation.

LCY 2010: English Language Arts 2 Grade 10:

This course provides a balanced program of reading, writing, and oral communication. All of the tenth-grade benchmarks are addressed in this course. Reading, writing, speaking, and listening are experienced as interactive and interrelated processes focusing both on meaning and on semantic, syntactic, and grammatical conventions. Students work with both informational and literary texts. The study of informational texts requires that students conduct research, extract and construct meaning, and complete tasks. The study of literature gives students an opportunity to read, interpret, and respond to literature personally and critically. Texts include a wide variety of works that contribute to an understanding of our common culture and the culture of others and that reflect themes uniting all cultures. The study of language includes the description of language and its role in communication as well as the construction of meaning. Required for graduation.

LCY 3010: English Language Arts 3 Grade 11/LCY 3010 PI (Hawaii/Pacific Literature)

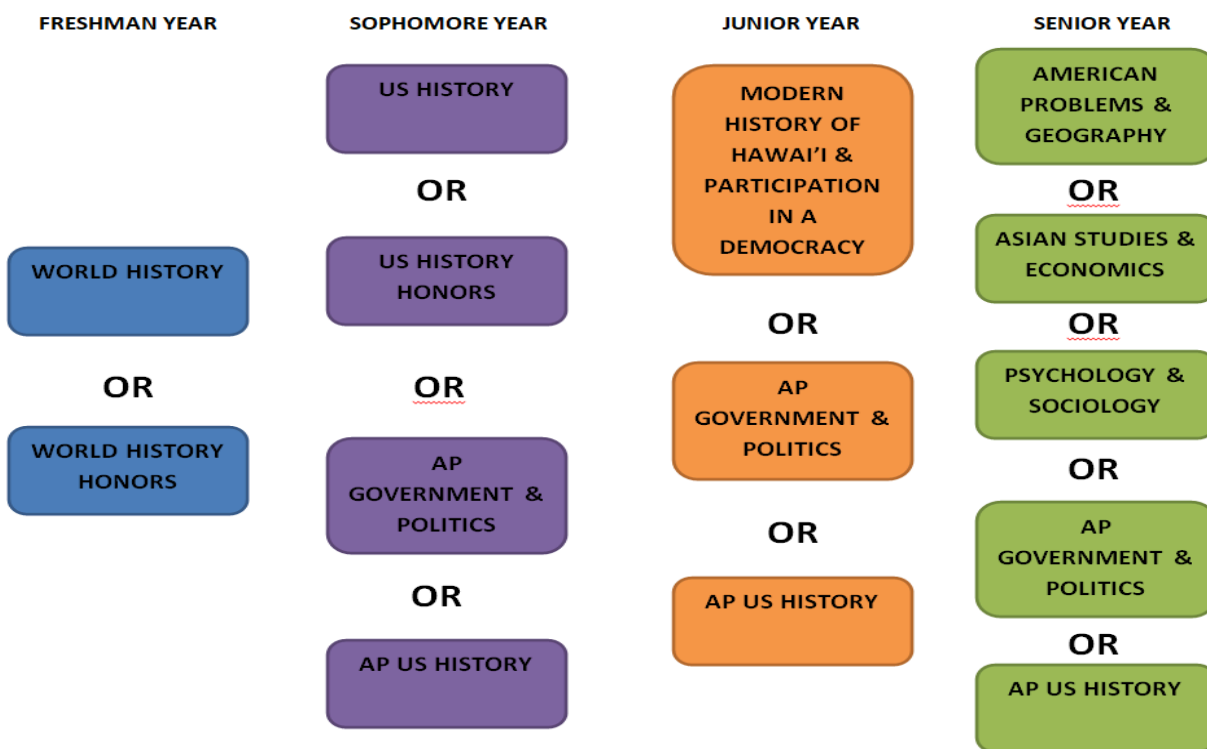
This course provides a balanced program of reading, writing, and oral communication. All of the tenth-grade benchmarks are addressed in this course. Reading, writing, speaking, and listening are experienced as interactive and interrelated processes focusing both on meaning and on semantic, syntactic, and grammatical conventions. Students work with both informational and literary texts. The study of informational texts requires that students conduct research, extract and construct meaning, and complete tasks. The study of literature gives students an opportunity to read, interpret, and respond to literature personally and critically. Texts include a wide variety of works that contribute to an understanding of our common culture and the culture of others and that reflect themes uniting all cultures. The study of language includes the description of language and its role in communication as well as the construction of meaning. Required for graduation. Students have the option of American Literature or Hawaii/Pacific Literature.

LCY 4010: English Language Arts 4 Grade 12:

This course provides a balanced program of reading, writing, and oral communication. All of the twelfth-grade benchmarks are addressed in this course. Students refine their knowledge of specific strategies within these strands and implement and evaluate the effectiveness of their choice of strategies. They develop greater precision and refinement in their use of written and spoken language. Students work with both informational and literary texts. The study of informational texts requires that students conduct research, extract and construct meaning, and complete tasks. The study of literature gives students an opportunity to read, interpret, and respond to literature personally and critically. Literary selections reflect a rich history of perceptions and ideas expressed by writers of the past and present. The study of language includes knowledge of its underlying principles and an understanding of how language functions in and is affected by social systems. Required for graduation.

Social Studies

This is a suggested flow map/course progression for the Social Studies courses offered at Konawaena High School. Students are required to have 4 years of Social Studies: World History/World History Honors, US History/US History Honors/APUSH, Modern History of Hawai'i & Participation in a Democracy/AP Government & Politics, and an additional Senior Elective Social Studies.



CHW1100: WORLD HISTORY/WORLD HISTORY HONORS (1 credit)

This course examines the development and dynamics of human experience through such themes as migration, imperialism, trade, exchanges, and transfers. This course provides a foundation and a rationale for active participation in our global community. It examines diverse perspectives, encourages diverse interpretations and historical empathy, and explores global conflict and cooperation. This course engages students in historical inquiry focusing on the historic, technologic, socio-political, geographic, and economic development of past and contemporary civilizations. Students examine decisions, events, and ideas of the past to make informed judgments on contemporary issues, decisions, and events. Typically taken during 9th grade. Required for graduation.

CHU 1100: US HISTORY/US HISTORY HONORS (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. Students will use the tools and methodologies of the appropriate social scientists to conduct their inquiries. Typically taken during 10th grade. Required for graduation.

CHA 6100: ADVANCED PLACEMENT US HISTORY (APUSH) (1 credit)

This AP U.S. History course focuses on exploration and settlement of the New World, colonial society and the Revolution, the establishment of the Constitution and the New Republic, nationalism and economic expansion, sectionalism, the Civil War and Reconstruction, and industrialization. The second semester emphasis is on the 19th-20th Century intellectual and cultural movements, national politics, foreign policy, and the post-war period under Eisenhower, Kennedy, Johnson, Nixon, and Reagan. Emphasis is on analysis and interpretation of primary sources, which includes the use of documentary material, maps, statistical tables, and pictures to write analytical papers. This course is intended for students working to complete studies equivalent to a college introductory course in this field. Satisfies Required Social Studies Elective for graduation.

CGA 6100: ADVANCED PLACEMENT GOVERNMENT & POLITICS (1 credit)

This course is equivalent to a semester college introductory course in American government and politics. It is designed to give students an analytical perspective on government and politics in the United States through examination of the fundamental ideological and philosophical traditions and ideas underlying the democratic government established by the Constitution. General concepts are used to interpret American politics, and to develop an understanding of why American citizens hold certain beliefs about politics and how families, schools, and media act to perpetuate or change these beliefs. This course focuses on political parties, including historical evolution, functions and structure, and effects on the political process. Institutions, their relationships to government, and the policy processes of the national government are examined. Students study civil rights and civil liberties, as well as the strengths and weaknesses of the Supreme Court decisions as tools of social change. Satisfies required Social Studies Elective OR Participation in Democracy for graduation

CHR 1100: MODERN HISTORY OF HAWAII (0.5 credit)

Modern History of Hawai'i examines the technological and multi-cultural development of modern Hawai'i and how the decisions of the past account for and impact present circumstances. This course examines contemporary Hawai'i, engages students in in-depth historical inquiry focusing on the historic, geographic, socio-political, and economic structures in the context of the complex interactions and interrelationships that have shaped and continue to influence major decisions facing Hawai'i. Students will use the tools and methods of social scientists to conduct their inquiry and study. Required for graduation.

CGU 1100: PARTICIPATION IN A DEMOCRACY (0.5 credit)

Participation in a Democracy provides opportunities for students to actively engage in civic discourse and participation. It engages students in the examination of government, political activity, contemporary issues, decision-making and the democratic process. This course focuses on the principles, values and ideals of American constitutional government, global interactions and interconnections, and issues and roles of American citizens. Students are expected to take an active role as citizens and use the tools and methods of social scientists in their inquiry. Required for graduation.

CGU 2200: AMERICAN PROBLEMS (0.5 credit)

In American Problems, students use the tools and methodology of the political scientist, the economist, and the sociologist or anthropologist to investigate current social, political, and economic issues in contemporary America. Satisfies Required Social Studies Elective for graduation. Taken during 1st semester. Paired with Geography.

CSD 2100: GEOGRAPHY (0.5 credit)

Geography is a synthesis of the geographical concepts of spatial terms, places and regions, physical and human systems, and the environment. Students examine past and present societies using the tools and methodologies of the geographer to develop and evaluate ecosystems, human patterns, and consequences of human activities on the earth. Students are actively engaged in stewardship activities. Satisfies Required Social Studies Elective for graduation. Taken during 2nd semester. Paired with American Problems

CSD 2500: ECONOMICS (0.5 credit)

Economics synthesizes the economic concepts of choice and opportunity costs, markets, interdependence, and government roles. It engages students in gathering and interpreting data to analyze economic changes and impacts on groups and individuals. It empowers students to make and evaluate personal economic decisions. Satisfies Required Social Studies Elective for graduation. Taken during 1st semester. Paired with Asian Studies.

CHR 2100: ASIAN STUDIES (0.5 credit)

Asian Studies examines, from a global perspective, contemporary economic, geo-political, and social issues in selected Asian countries. It looks at the historic and cultural forces that affected, changed, and shaped and continue to affect the traditions, values, and institutions of the Asian countries. The students use the tools and methods of the social scientist to develop and/or evaluate present-day decisions and issues. Satisfies Required Social Studies Elective for graduation. Taken during 2nd semester. Paired with Economics.

CSD 2200: PSYCHOLOGY (0.5 credit) Psychology helps students to understand the physiological and psychological basis for human behavior. Students explore the differences between theory and facts that cannot be proven scientifically, in the context of human behavior. This course also focuses on examining research methods in psychology, exploring different learning theories, and understanding aspects of behavior disorders. Satisfies Required Social Studies Elective for graduation. Taken during 1st semester. Paired with Sociology.

CSD 2300: SOCIOLOGY (0.5 credit)

Sociology emphasizes inquiry using sociological methodologies and practices. Students will analyze issues of cultural assimilation from sociological perspectives of diverse ethnic and racial groups. It is designed to focus on the understanding of relationships among cultures, cultural change, and social institutions and conditions. Satisfies Required Social Studies Elective for graduation. Taken during 2nd semester. Paired with Psychology.

Science

Recommended Course Sequence:

Freshman Year: Physical Science

Sophomore Year: Biology

Junior Year: Required Science Elective

Senior Year: Required Science Elective for Academic Honors (Optional)

SPH 2603: PHYSICAL SCIENCE

Physical Science is a high school survey course that integrates major topics in the physical sciences. Students use practices, crosscutting concepts, and core ideas to make sense of natural phenomena and solve problems in the areas of structure and properties of matter; chemical reactions; forces and interactions; energy in chemical and physical systems; waves and electromagnetic radiation; and engineering in chemical and physical systems. Typically taken in 9th grade. Satisfies Required Science Elective.

SLH 2203: BIOLOGY

Biology 1 is a laboratory course to develop understanding of fundamental life processes, relationships between structure and function, relationships between organisms and their biological and physical environments, environmental adaptations, classification, reproduction, genetics, and evolution. Emphasis is on the use of scientific investigations to develop inquiry process skills and strategies and to clarify the basic concepts of life and the impact of humans and technology on the quality of life.

SPH 3503: CHEMISTRY

Chemistry is the study of how atoms interact to make up everything in our world. By experiencing and discussing many phenomena in this class, students will better understand the nature of matter and learn why things behave the way they do. Students will have many opportunities to perform labs, make observations and develop skills in drawing conclusions from their data. Students will learn about atomic structure, properties and phases of matter, energy transfer, behavior of gases, chemical bonding, intermolecular forces, and chemical reactions. Satisfies Required Science Elective.

SIH 3603: ENVIRONMENTAL SCIENCE

This is a problem or issues-based course where students investigate environmental issues (e.g. watersheds, forestry, global warming, pollution, invasive species, land use, etc.) and problems of ever increasing globalization. Students analyze environmental issues, identify and evaluate alternative sustainable solutions, and are encouraged to take actions to help maintain or improve the quality of our planet for current and future generations. Satisfies Required Science Elective.

SLH 7503: HUMAN PHYSIOLOGY

Human Physiology is considered a second year biology laboratory course with an in-depth focus and study of the anatomy and functions of the human organism and its parts. Students are provided with extended opportunities to study issues, topics, and themes relevant to human physiology. Emphasis is on using scientific inquiry and analysis of the relationships between science, technology, and society to cover concepts of systems such as blood, circulation, respiration, nutrition, digestion, metabolism, muscular system, nervous system, and reproduction are studied in terms of interaction of the functions and their contribution to the maintenance of a proper condition of the body's internal environment. **Prerequisite: Biology 1.** Satisfies Required Science Elective.

SLH 8003: AP BIOLOGY

See CollegeBoard description linked in Advanced Placement (AP) Programs section

AP Biology is comparable to a first year college-level course that emphasizes developing an understanding of concepts and science as a process, recognizing unifying themes that integrate and apply critical thinking to environmental and social concerns, and using extensive laboratory experience to clarify underlying principles of biology. This rigorous course helps to prepare students for the Advanced Placement Examination, which is three hours in length and is administered in May. The laboratory work done by AP students is equivalent to work completed by college students and is an integral part of the course for deep understanding of concepts in unity and diversity among organisms, connections between form and function, genetics and evolutionary change, energy and matter essential for life, biochemistry, microbiology, and ecological interactions. Examples of topics include: molecules and cells, heredity and evolution, and organisms and populations. Satisfies Required Science Elective.

Prerequisite: Successful completion of Biology I

SPH 5003: AP CHEMISTRY

See CollegeBoard description linked in Advanced Placement (AP) Programs section

This course is an equivalent of the general chemistry course usually taken during the first college year and helps to prepare students for the Advanced Placement Examination, which is three hours in length and is administered in May. The laboratory experience is equivalent to that of a typical college-level course in chemistry. Emphasis is on mathematical formulation of principles and laboratory activities based on experimental problems and independent study. Concepts and principles studied in depth include atomic theory and structure, chemical bonding, nuclear chemistry, gasses, liquids and solids, solutions, stoichiometry, reaction types, equilibrium, kinetics, thermodynamic relations, and chemical calculations. Satisfies Required Science Elective.

Prerequisite: Successful completion of Chemistry

SPH 7505: AP PHYSICS 1-ALGEBRA BASED

See CollegeBoard description linked in Advanced Placement (AP) Programs section

AP Physics 1: Algebra-Based is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Satisfies Required Science Elective.

Prerequisite: Successful completion of Physical Science

Mathematics

Math Path

- 3 math credits required to graduate (Algebra 1 and Geometry REQUIRED by State)
- All math classes EXCEPT Trigonometry and Precalculus are 1 credit each. Those are 0.5 each.
- Students planning on attending a 4 year college MUST take Algebra 2 and are highly encouraged to take Trigonometry/Pre-Calculus and/or an AP course
- Anyone going into a STEM career should take a path that leads to Trigonometry/Pre-Calculus or AP Calculus

*****AP Computer Science can be taken at any time AFTER Algebra 1*****

MAX 1155: Algebra 1 (1 credit)

Content of this course focuses on modeling with functions, linear functions, quadratic functions, solving equations and inequalities in two variables (including systems of equations), and analyzing bivariate data to identify and explain apparent relationships. Learning opportunities will support students to understand and describe symbolic, graphical, numeric (tabular) and verbal representations of important mathematical ideas. Conceptual understanding, fluency with procedures and skills, and application of knowledge will be emphasized throughout the course. Required for graduation.

MGX 1150: Geometry (1 credit)

The emphasis of this course is on understanding and use of relationships among points, lines, and figures. These include properties of various figures, relations among lines such as parallelism, intersections, concurrency and perpendicularity, and relations among figures such as congruence, similarity, symmetry, and rigid motions. Concepts and processes are further developed and extended to include the following content: right triangle relationships, trigonometric relationships, circle relationships, constructions, three-dimensional figures, coordinate geometry, and transformations. Required for graduation.

MAX 1180: Modeling Our World 2 Financial (1 credit)

Applied mathematics plays a fundamental role in daily life, including in our complex financial environment. Modeling Our World 2 or “financial” algebra explores real-world applications of math to help us understand, predict, and control our financial world. This course will explore frameworks based on topics such as investments, business start-ups, banking, credit cards, insurance, home-buying, business planning, and budgeting. Students will gain experience with real world business problems and will leave the classroom with skills to successfully manage finances and future assets. Satisfies Required Math Elective for graduation.

MAX 1200: Algebra 2 (1 credit)

The Algebra 2 course extends the algebraic skills and knowledge developed in Algebra 1B by exploring the real number system in greater depth, providing exposure to various algebraic techniques, and developing the concept of function, including graphing techniques and inverse functions. This course includes the following topics: quadratic relations and systems, polynomial equations, exponents and logarithms, sequences and series, matrices and determinants, and permutation and combinations. Satisfies Required Math Elective for graduation.

MIC 1200: Introduction to College Math (1 credit)

Introduction to College Mathematics will focus upon topics from the Algebra, Functions, Geometry, and Statistics domains of the Common Core State Standards with an emphasis on mathematical modeling and quantitative reasoning. Students will extend their understanding of high school mathematics concepts and apply that understanding in real-world problem solving situations and in purely mathematical contexts. Satisfies Required Math Elective for graduation.

MCA 1030: AP Pre-Calculus (1 credit)

AP Precalculus centers on functions modeling dynamic phenomena. Students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, social science and data science. It is structured to provide a coherent capstone experience and is not exclusively focused on preparation for future courses. Modeling is a central instructional theme for the course and includes formal study of a function type through multiple representations (e.g., graphical, numerical, verbal, analytical), with the application of the function type to a variety of contexts. This course includes the study of Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions, and Functions Involving Parameters, vectors and Matrices. Satisfies Required Math Elective for graduation.

MCA 1050: AP Statistics (1 credit)

This course will introduce students to major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, planning a study, anticipating patterns, and making statistical inferences. Satisfies Required Math Elective for graduation.

MCA 1040: AP Calculus (1 credit)

The Advanced Placement (AP) Calculus course has two alternative designs: Calculus AB and Calculus BC. Calculus AB includes elementary functions and assumes that students have strong backgrounds in algebra, geometry, trigonometry, and analytic geometry. Calculus BC addresses all of the topics contained in Calculus AB, as well as other topics such as infinite series. Satisfies Required Math Elective for graduation.

ECS 9800: AP Computer Science Principles (1 credit)

The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. The curriculum framework provides a detailed description of the course content. The key sections of this framework are described in the following text: -computational thinking practices (connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, collaborating) -seven big ideas (creativity, abstraction, data and information, algorithms, programming, the internet, global impact) -learning objectives that integrate computational thinking practice or skill -essential knowledge statements. Satisfies Required Math Elective for graduation.

9th Grade PE/HEALTH

PEP 1005: Physical Education Lifetime Fitness (.5 credit)

By successfully completing this course, students will meet benchmarks for the Physical Education Hawaii Content and Performance Standards III. This standards-based course is designed to build on intermediate or middle school Physical Education course experiences. The intent of this course is to integrate physical activity and personal fitness by exposing students to the wide range of physical activity resources available in their school and community. Students will self-assess their personal fitness level, document their physical activity and develop a Four-year personal fitness plan, which will project the student's personal fitness activity through grade twelve. The content of this course should empower learners to actualize a vision of themselves as competent movers with the skills, knowledge, and desire to become life-long participants in physical activities. All classes include general conditioning principles and concepts as well as activity specific conditioning principles and concepts. Classes, when appropriate, will utilize technology. This technology may include but not be limited to: Pedometers, Heart Rate Monitors, Body Composition Analyzers, Computers, and other technology used for individualizing student feedback. Instructors will select and offer activities from the following suggested list of highly regarded lifetime activities: Badminton, Tennis, Paddle Tennis, Soft Tennis, PickleBall, Table Tennis, Eclipse Ball, Swimming, Water Aerobics, Water Activities, Snorkeling, Kayaking, Fishing, Paddle Boarding, Hiking, Orienteering, Recreational Walking and/or Jogging, Bicycling, Adventure Activities, Trampoline, In-line Skating, Archery, Bowling, Golf, Shuffleboard, Horseshoes, Fencing, Bocce Ball, Lawn Bowling, Croquet, Frisbee Activities, Aerobics, Dance, Pilates, Yoga, Tai Chi, Functional Core Fitness, Stability Ball, Non-Contact Martial Arts.

PEP 1010: Physical Education Lifetime Activities (.5 credit)

By successfully completing this course, students will meet benchmarks for the Physical Education Hawaii Content and Performance Standards III. This course develops and strengthens physical movement forms, concepts, principles, and skills through participation in a variety of physical fitness experiences, including target, net, field, invasion, and aquatic sports and games. Students will assess personal levels of physical fitness that reinforce these physical activities in their daily lives. Students should develop and apply a variety of locomotor and non-locomotor movement skills throughout the course to a range of modified games and lead-up activities. The content of this course should empower learners to actualize a vision of themselves as competent movers with the skills, knowledge, and desire to become life-long participants in physical activities. Instruction should reintroduce sport activities which could include, but are not limited to: outdoor adventure games, archery, table tennis, tennis, basketball, volleyball, soccer, softball, team handball, flag football, swimming, water polo, ultimate Frisbee, golf, wrestling, and weight and resistance training. Key features of this course: a revisit and application of the students' four year personal fitness plan, acquisition and application of skills, understanding of rules and strategies, importance of fair play, and the transfer of skills into lifetime activity situations.

TGG 1103: Transitions 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 basic 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.

HLE 1000: Health-Today/Tomorrow (.5 credit)

This standards-based course is required of all students in grades 9 or 10. Students in this required course develop and practice skills that will promote and protect the health of self and others. Students engage in in-depth discussion and exploration of current issues and health trends for adolescents. Content (topic) areas can include but are not limited to: Promote Mental and Emotional Health, Promote Healthy Eating and Physical Activity, Promote Personal Health and Wellness, Promote Safety and Prevent Unintentional Injury and Violence, Promote Tobacco-Free Life Styles, Promote Alcohol and other Drug-Free Lifestyle, and Promote Sexual Health and Responsibility. Emphasis will be placed on the application of standards-based health knowledge and skills in making healthy personal choices, and in advocating for the health of others.

ELECTIVES

Cultural Arts, Media & Entertainment

TCO 1000 Foundations of Fashion and Artisan Design

Foundations of Fashion & Artisan Design is an introductory course designed to inform students about careers in fashion and craftwork design. This Level 1 course serves as the foundation course for the Fashion & Artisan Design program of study. Upon completion of this course, a proficient student should be able to explain the impact of fashion and craftwork on art, explain and utilize design elements, and create simple fashion or craftwork design artifacts. A student will also be able to describe various occupations and outline the steps necessary to advance in specific careers. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

TCA 2000 Fashion and Artisan Design 1

Fashion and Artisan Design 1 is the second course in the Fashion and Artisan Design program of study designed to introduce students to typical design process, artistic impressions, and small business marketing. Upon completion of the course, a proficient student will be able to explain artistic intent, demonstrate basic fashion and craftwork applications, design processes, and basic business marketing. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

Must have completed and received a grade of "C" or better in Foundations of Fashion and Artisan Design and get instructor approval.

TCA 3000 Fashion and Artisan Design 2

Fashion and Artisan Design 2 is the third course in the Fashion and Artisan Design program of study designed to prepare students for advanced work in the fields of fashion and craftwork and small business principles. Upon completion of the course, a proficient student will demonstrate small business concepts and produce showcase artifacts in fashion or craftwork. As part of a student's program of study progression, the student will maintain a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

Must have completed and received a grade of "C" or better in Fashion and Artisan Design 1 and get instructor approval.

TCC 1000 Foundations of Creative Media

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 is able to explain what comprises the creative media industry sector, explain principles and elements of design, demonstrate basic knowledge of digital camera and video equipment, and create a digital photo collection using design and equipment knowledge. Students will become proficient using the applications in Adobe Creative Cloud, such as photoshop, illustrator, character animation and indesign. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

TAU 2124 Graphic Design Technology 1

This course provides classroom and laboratory experiences in the major areas of graphic design and production. This course includes the study of the fundamentals of elements and principles of design, colors, layering, layout, photography concepts, plagiarism, advertising and production techniques. Emphasis is on the creation of designs and products that meet specifications of clients and industry. Recommended prerequisite: Completion of TAC2010 Arts and Communication Career Pathway Core.

TAN 2400 Graphic Design Technology 2

This course provides advanced classroom and laboratory experiences in the major areas of graphic design and production. This course includes an in depth study of the elements and principles of design, layout, photography, legal and ethical issues, advertising, and production techniques. Emphasis is on the creation of refined and targeted designs that serve a defined purpose and audience.

TAU 2210 Digital Media Technology

This course is designed to equip students with the necessary skills to support and enhance their use of digital media technologies. Topics will include the creation of media content, its communicative abilities, the production process, and legal concerns.

XMT 1020/XMT 1025 Video Production for Television 1 and 2 (.5 credit each)

This course is designed to acquaint students with the tools, techniques and terminology of television/video production, both in the field and in the studio. Students will have hands-on experience with various filming, recording, and editing techniques and processes. Students will participate in the planning and production of short programs featuring topics of interest to them. Students will use and compare nonlinear and other imaging editing software.

Business Management, Finance and Marketing

TBB 1000 Foundations of Business and Marketing

Fundamentals of Business, Marketing, Accounting, Investing, CryptoCurrency, Blockchain and Online Business Apps. This course is designed for students who plan to pursue careers in business, and/or related occupations. Students will learn essential business concepts that will provide a solid foundation for further study in preparation for careers in business and Entrepreneurship. Project-based, real-world application of business concepts will be emphasized. Students will utilize technology and business communication; demonstrate effective customer service; and use accounting concepts to formulate, analyze and evaluate financial decisions in business. This course is a prerequisite for students pursuing a business pathway program of study.

TBE 2000 Entrepreneurship 1

Developing Mindsets and Skills of Business Founders. Gamify Education in relation to Business Incubation, Acquisition and Prioritization of Limited Resources in Business Growth.

Entrepreneurship introduces students to the process of recognizing opportunities and planning for the establishment of a small business. Community mentors in related fields will assist students as they implement their chosen enterprises. Students will be able to explore the unique relationships between business and the culture and values found in Hawaii today. Students will design, develop, and implement a business plan. Assessments and evaluations will be done in partnership with business and industry. **Prerequisite:** Completion of TBC 3010 Foundations of Business and Marketing

TBE 3000 Entrepreneurship 2

Focus is on Technical Analysis and Investing by utilizing charts, patterns, projections to make Financial decisions for profit, considering associated risk and tolerance levels of individuals and businesses.

Finance provides students with basic principles necessary to make sound business decisions. Students will analyze and communicate computational data, as well as appraise the advantages and disadvantages of various means of generating income, reducing expenses and managing risks.

Prerequisite: TBB 1000 Foundations of Business and Marketing AND TBE 2000 Entrepreneurship 1.

Health Services

THF 1000 Foundations of Health Services

Foundations of Health Services 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 Health Services program 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. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

THA 2000 Advanced Health Services

Advanced Health Services is the second course for the Diagnostic Services, Emergency Medical Services, Human Performance Therapeutic Services, and Nursing Services programs of study. It is designed to develop student understanding of the structures and functions of the human body. Upon completion of the course, a proficient student will be able to characterize the functions of various organs and body systems and their interplay with one another in the human body. As part of a student's program of study progression, the student will maintain a digital program of study portfolio providing evidence of mastery of the course standards and readiness to advance and complete the program of study.

Prerequisite: THF 1000 Foundations of Health Services.

Hospitality, Tourism, and Recreation

1st Year	2nd Year	3rd Year	4th Year
Culinary 1: Foundations of Culinary Arts	Culinary 2: Culinary Arts Food Preparation	Culinary 3: Advance Culinary Arts: Pastry & Savory	Culinary 4: Kitchen Restaurant Operations

TTU 1000 Culinary 1: Foundations of Culinary Arts (1 credit)

Foundations of Culinary Arts is an introductory course designed to inform students about careers in the food prep and service industries or related fields, basic nutritional and cooking concepts, and the history and influence of culture on food. This Level 1 course serves as the foundation course for the Culinary Arts program of study. Upon completion of the course, a proficient student will demonstrate proper safety protocols in a commercial kitchen and proper use of small and large equipment and supplies. The student will also correctly convert measures and have foundational knowledge of nutrition and cooking techniques and the role of culture in food creation.

TPN 7223 Culinary 2: Culinary Arts Food Preparation (1 credit)

Food Preparation is the second course in the Culinary Arts program of study designed to inform and expose students to various basic food preparation methods and considerations found in commercial kitchens and restaurants. Upon completion of this course, a proficient student will possess a working knowledge of commercial kitchen safety and sanitation, menu planning, influence of culture on cuisine, basic cooking principles, food preparation skills and methods, and basic platter and table preparation.

Prerequisite: Complete Culinary 1: Foundations of Culinary Arts and receive a grade of “C” or better to go to Culinary 2.

TPN 7316 Culinary 3: Advance Culinary Arts: Pastry & Savory (1 credit)

Advanced Culinary Arts: Pastry and Savory is the third course in the Culinary Arts program of study designed to further students’ practice with food preparation in the culinary industry. Upon completion of the course, a proficient student will be able to demonstrate safe practices in a commercial kitchen, the fundamentals of pastry/dessert creations and the fundamentals of meal preparation.

Prerequisite: Complete Culinary 2: Culinary Arts Food Preparation and receive a grade of “C” or better to go to Culinary 3.

TTR 4000 Culinary 4: Kitchen Restaurant Operations (1 credit)

Kitchen Restaurant Operations is the fourth course in the Culinary Arts program of study and designed to prepare students for entry into the field of food service and culinary cuisine. Upon completion of the course, a proficient student will demonstrate an understanding of risk management, front-and back-of-the-house operations, and the hypothetical management of a culinary event from start to finish.

Prerequisite: Complete Culinary 3: Advance Culinary Arts: Pastry and Savory and receive a grade of “C” or better to go to Culinary 4.

TTH 1000 Foundations of Sustainable Hospitality & Tourism Management

Foundations of Sustainable Hospitality and Tourism Management is an introductory course designed to inform students about careers in the hospitality and tourism industries, as well as basic hospitality and tourism business concepts, including sustainable practices and the influence of culture and communications. This course serves as the foundation course for the Sustainable Hospitality & Tourism Management (SHTM) program of study. Upon completion of the course, a proficient student will have foundational knowledge of different sectors of the hospitality industry, including industry influences, and the importance of sustainable practices. As part of a student’s program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

Information Technology and Digital Transformation

TIF 1000: Foundations of Computer Systems and Technology

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 Artificial Intelligence, Programming, Networking, Cybersecurity, Web Design & Development programs of study. Upon completion of the course, a proficient student will be able to describe various information technology occupations and outline the steps necessary to advance in specific careers, demonstrate basic knowledge of computer hardware components and processes, and distinguish foundational concepts in multiple information technology disciplines. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

TIE 2000: Networking 1 (Robotics)

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics. This course will challenge students to think and to teach them to integrate diverse areas of knowledge such as Computer Science, Design, Electrical Engineering, Mechanical Engineering and Math to create innovative systems. This course provides students the opportunity to compete in state and national robotic competitions.

Prerequisite: TIF 1000 Foundations of Computer Systems and Technology

TIE 3000: Networking 2 (Robotics)

The objective of this course is to use a hands-on approach to introduce the basic concepts in robotics. This course will challenge students to think creatively and to teach them to integrate diverse areas of knowledge such as Computer Science, Design, Electrical Engineering, Mechanical Engineering and Math to create innovative systems. This course provides students the opportunity to compete in state and national robotic competitions.

Prerequisite: TIE 2000 Networking 2

TCF 1000: Foundations of Construction

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 and Mechanical, Electrical, and Plumbing (MEP) Systems 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. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

TCR 2000: Residential Commercial Construction 1

Residential & Commercial Construction 1 is the second course in the Residential & Commercial Construction program of study intended to have students develop an understanding of the different phases of a construction project from start to finish. Upon completion of this course, a proficient student will be able to demonstrate knowledge and skills in the early phases of building construction, including site layout, concrete and floor to ceiling systems. Proficient students will be able to frame walls, ceilings, and floors of a structure, while safely employing tools and interpreting construction drawings to complete projects. As part of a student's program of study progression, the student will maintain a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

Prerequisite: TCF 1000 Foundations of Construction

TAF 1000: Foundations of Architectural Design

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. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study.

Agriculture, Food, and Natural Resources

TAO 1000: Foundations of Agriculture, Food, & Natural Resources (All 1st Year Ag Students)

An introductory course designed to inform students about careers in agriculture, animal care and production, and natural resources and understand the important role that each plays in the 21st century. This Level 1 course serves as the foundation course for the Animal Systems, Food Systems, Agriculture and Food Production Business, and Natural Resources Management programs of study. Upon completion of the course, a proficient student will have foundational knowledge of various agriculture-related, animal care, and natural resources-related career fields, as well as ecosystems, food systems, animal care, and the reproduction systems of plants and animals.

TAP 2000: Principles of Food Production is the second course in the Food Systems program of study designed to inform students designed to provide students with the knowledge and skills pertaining to plant and animal structural anatomy, systems physiology, genetics, and Biotechnology. Upon completion of this course, a proficient student will have developed basic skills and knowledge in the economics of production, and other management approaches associated with plant and animal production, including learning foundational Hawaiian traditions and values of honoring and conserving the land and its resources.

TAD 3000: Food Products & Processing Systems 1 is the third course in the Food Systems program of study designed for students interested in being part of the sustainability of Hawaii's food systems through plant and/or animal products. Upon completion of this course, a proficient student will have basic knowledge of the history of agriculture and food production and processing in Hawaii, the process of creating a sustainable product, start-up process to creating a business, and the importance of food safety and sanitation.

TAD 4000: Food Products & Processing Systems 2 is the fourth course in the Food Systems program of study designed to have students develop a project based in food production and sustainability. Students will utilize research, tools, and equipment in varying degrees of complexity. Upon completion of the course, a proficient student will have researched, grown or raised, and harvested and distributed a food product in support of the sustainability of Hawaii and presented research to local professionals in the field.

TAB 2000: Agriculture and Food Production Business 1 is the second course in the Agriculture and Food Production Business program of study designed to inform students about agriculture and food production related business practices, as well as basic business concepts. Upon completion of this course, a proficient student will have developed basic skills and knowledge to be successful in agricultural-related business occupations, including learning foundational Hawaiian traditions and values of honoring and conserving the land and its resources.

TAB3000: Agriculture and Food Production Business 2 is the third course in the Agriculture and Food Production Business program of study designed for students interested in successfully owning and operating a business selling plant and/or animal products or commodities. Upon completion of this course, a proficient student will have basic knowledge of the history of agriculture and food production related business in Hawaii, economic principles and risk management considerations, start-up process to creating a business, marketing strategies, and the drafting of a business proposal.

TAB 4000: Agriculture and Food Production Business 3 is the fourth course in the Agriculture and Food Production Business program of study designed to prepare students for the world of natural resources business by combining principles of operations, finance and accounting, marketing, and ethical practices. Upon completion of the course, a proficient student will possess advanced knowledge of the process to creating a business, marketing strategies, and will lay the foundation for creating a natural resources business using the ideas and proposal elements created in this course.

Education

TEF 1150: Foundations of Education

Foundations of Education is an introductory course designed to inform students about careers in education and learning support professions including teaching, counseling, and areas of specialization in education. This course serves as the foundation course for the Teaching as a Profession (PreK-12) (TAP) and Learning Support Professionals (LSP) programs of study. Upon completion of the course, a proficient student will have foundational knowledge of human development, understanding of course standards and curriculum, the history of public education, and required ethical and professional responsibilities. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study. This course is equivalent to TEF1000 - Foundations of Education. This course was created to allow for middle school students to get high school credit for taking TEM0100 - M Foundations of Education without it being counted as part of the high school GPA. No GPA weight will be applied.

Transportation Services

TTF1100: Introduction to Automotive Maintenance and Light Repair (MLR)

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. As part of a student's program of study progression, the student will create a digital program of study portfolio, providing evidence of mastery of course standards and readiness to advance and complete the program of study. This course is equivalent to TTF1150 - Foundations of Automotive Maintenance and Light Repair.

Fine Arts

FVA 2000 Advanced Placement Art History (1 credit)

AP Art History is an introductory college-level art history course. Students cultivate their understanding of art history through analyzing works of art and placing them in historical context as they explore concepts like culture and cultural interactions, theories and interpretations of art, the impact of materials, processes, and techniques on art and art making, and understanding purpose and audience in art historical analysis.

FVA 1000 Advanced Placement Drawing/FVA 3000 2-D Design/FVA 4000 3-D Design (1 credit each)

Students will journey through the design cycle of ideas, planning, inquiry, practice, and assessment to compile a body of artwork that demonstrates a high level of quality in content, process, and technical approach. Students will develop a portfolio with a focus on concept, composition, and execution of 2-D Design, 3-D Design, and Drawing.

FVR 1000 Advertising Art (1 credit)

This is an introductory course for students interested in design and in developing skills necessary in the preparation of visual materials for reproduction or televising. Graphic and media products in the visual environment are analyzed and discussed. The use of computers and other forms of technology are encouraged.

Applied Music (0.5 credit each)

1 FME 1000 The Applied Music 1 course is designed to help students acquire performance skills, musicianship qualities on an instrument, develop singing skills, or develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

2 FME 1100 The Applied Music 2 course is a continuation of Applied Music 1 and is designed to help students develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

3 FME 1200 The Applied Music 3 course is a continuation of Applied Music 1 and is designed to help students develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

4 FME 1300 The Applied Music 4 course is a continuation of Applied Music 1 and is designed to help students develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

5 FME 1400 The Applied Music 5 course is a continuation of Applied Music 1 and is designed to help students develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

6 FME 1500 The Applied Music 6 course is a continuation of Applied Music 1 and is designed to help students develop specialized skills in music. The instructor will develop a curriculum with appropriate level of difficulty in the music to address the unique needs of the students. In addition to the Fine Arts music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

FVC 1000: Arts and Crafts (1 credit)

This course focuses on the exploration of the arts and craft media and processes. The student will experience a variety of activities and will learn some cultural history regarding different arts & craft techniques.

FVK 1000: Design 1/FVK 2000 Design 2 (1 credit each)

Students will explore and create a breadth of work that demonstrates an understanding of 2D and 3D approaches in making art. Design 2 students will complete similar works while concentrating and investigating a specific idea that will develop throughout the year. Student research will include the exploration of the formal elements and design principles. Both year I and II students will develop a portfolio that highlights understandings and accomplishments.

FVL 1000: Ceramics 1 (1 credit)

Students will explore hand building techniques with clay. Students will build on a vocabulary of art to communicate works being made and works they are viewing. Projects will progress from pinch pots to complex slab forms.

FTE 1000: Explorations in Drama (1 credit)

This introductory course is designed to enhance understanding of life through the study and performance of dramatic works. Emphasis is on developing students' ability to express themselves freely and establish personal criteria for critical evaluation of drama activities. Students will gain insight into a broad spectrum of theater through study of various phases of play production.

FMF 1000: Guitar 1 (1 credit)

The Guitar 1 course is designed to help students develop basic guitar performance skills that address the DOE music standard and benchmarks. Students develop basic guitar techniques such as picking and strumming accompaniments to popular music. They may perform in ensembles while integrating a variety of national music standards that include analyzing, singing, listening to, and evaluating music.

Hawaiian Dance (1 credit each)

1 FDK 1000 This beginning course is designed to provide students with the opportunities to learn the historical, cultural, and expressive significance of the hula. The course will cover the basic steps and hand gestures, body stance, and positioning of hula 'auana and hula kahiko routines. Instruments will be introduced at appropriate levels.

2 FDK 2000 This is an intermediate course which provides further opportunity for students to strengthen and refine dancing skills. As students advance, dance routines become more complex, with emphasis on projection of story and choreography. Students will also be able to develop and use criteria for evaluating the artistic merits of their own and others' performances while keeping with conventions and traditions, as appropriate. Emphasis will also be placed on the cultural and historical contexts in which the hula has developed.

3 FDK 3000 This is an advanced course in performance to strengthen and refine dancing skills. As students advance, dance routines become more complex, with emphasis on projection of story and choreography. Students will also be able to develop and use criteria for evaluating the artistic merits of their own and others' performances while keeping with conventions and traditions, as appropriate. Emphasis will also be placed on the cultural and historical contexts in which the hula has developed.

FVP 1000 Photography 1 (1 credit)

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Photography will be taken with personal devices and cameras provided by the art room.

Ukulele (1 credit each)

1 FML 1000 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. The instructor may select additional national music standards appropriate for the course and may integrate other Fine Arts standards.

2 FML 2000 This course is a continuation of the Ukulele 1 course or its equivalent. Students develop intermediate skills in ukulele playing, such as picking melodies and solo work. Students will be involved with performing, listening to, and evaluating ukulele music. The instructor may select additional national music standards appropriate for the course and may integrate other Fine Arts standards.

World Languages

Hawaiian

1 WPH 1000 This is a college-prep course for beginning Hawaiian language learners. It emphasizes basic sentence patterns, an extensive vocabulary, chants/songs and participates in cultural excursions. Students will develop basic listening, speaking, reading, writing, and memorization skills in the Hawaiian language.

2 WPH 2000 This is a continuation of Hawaiian Language 1. The students will learn more complex sentence patterns. More focus will be placed on grammar, vocabulary, speaking and oral interpretation. Cultural information, songs, chants and field trips to experience culture. Prerequisite: Hawaiian 1 A/B with C or better

3 WPH 3000 This class continues the work of Hawaiian Language 2. Continuation of grammar and vocabulary with definite focus on oral/aural skills. This is definitely a college-prep class. Prerequisite: Hawaiian 2 A/B with C or better

Japanese

1 WAJ 1000 This is a college-prep course designed to present the fundamentals of the language. It involves basic grammar, vocabulary, basic conversation and the writing system (Hiragana and Katakana). Cultural awareness and appreciation through videos and demonstrations.

2 WAJ 2000 This course is a continuation of Japanese 1, emphasizing grammar, vocabulary and oral/aural skills. Cultural activities are integrated into language instruction. Some simple kanji are taught. Prerequisite: Japanese 1 A/B with C or better

3 WAJ 3000 Additional grammar and vocabulary through short stories, current periodicals and various texts. Students are required to have their own Japanese-English, English-Japanese dictionaries. Prerequisite: Japanese 2 A/B with C or better

4 WAJ 4000 This course offers the student the opportunity to develop the proficiencies of the previous levels. Specific grammatical structures and the various speech levels will also be added. Students are required to have their own Japanese-English, English-Japanese dictionaries. Prerequisite: Japanese 3 A/B with C or better

Spanish

1 WES 1000 This is a college preparatory course in Spanish, which emphasizes pronunciation, vocabulary, essential grammar and how to respond to basic conversational questions. This course is enhanced through cultural activities including films, music and games.

2 WES 2000 A continuation of Spanish 1 with an emphasis on vocabulary, grammar and conversation through writing, reading and role-playing. Cultural activities are incorporated into the lessons.

3 WES 3000 This course reviews the grammar learned in levels 1 and 2 in addition to introducing new concepts. A grammar workbook can be purchased or borrowed. Emphasis is on application of learned grammar through reading, writing and conversation; culture continues to be taught, with students taking an active part in presentations. Journals are required.

4 WES 4000 This course is a continuation of Spanish 3, with an emphasis on reading, writing and literature. Previously and newly learned grammatical structures will be incorporated into the above lessons. Journals are required and students must be willing to communicate in Spanish in class.

ARMY JROTC

1 TJR 1000 This level provides first year cadets with an introduction to JROTC. Subject areas include American citizenship, self-development, substance abuse prevention, physical fitness, drill and ceremony, leadership theory, map reading, communication, basic first aid, marksmanship and weapon safety. There is no cost associated with normal classroom instruction.

2 TJR 2000 This intermediate level of leadership development builds on LET 1 instruction with continued emphasis on self-discipline and elements of leadership. Additional subjects such as military history, effective writing and oral communications are introduced. Cadets are given opportunities for practical application of leadership concepts. Again, there is no cost involved with normal classroom instruction.

3 TJR 3000 This applied level of leadership development elaborates on leadership techniques, team-building and the problem-solving process. The role of the US Army in American society, technology awareness and career opportunities are also studied. A review and field application of map reading/land navigation and techniques of communications are integrated throughout the course.

4 TJR 4000 This advanced phase is for leadership-oriented cadets who will actually be conducting classroom and field instruction of fellow cadets in selected subjects learned in the previous three years. The study and implementation of Command and Staff Procedures are structured into this level for cadets filling advanced leadership positions. These experiences in leadership responsibilities will help prepare cadets for post-high school civilian or military career opportunities. This course is strongly recommended for students seriously considering Senior (college) ROTC or military service upon graduation.

Additional Electives

Advancement Via Individual Determination (AVID)

TGG 8090: AVID 9

TGG 8100: AVID 10

TGG 8110: AVID 11

TGG 8120: AVID 12

The AVID program is a college preparatory elective course that targets students 'in the middle' academically. The curriculum is derived from a nationally recognized program, Advancement Via Individual Determination (AVID), with emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, organization, note taking and research. Enrollment into AVID follows a thorough screening and selection process by the Konawaena HS AVID Site Team. See AVID Coordinator, Mrs. Wickersham for more information

Leadership

XLP 3000: Leadership Grade 11

XLP 4000: Leadership Grade 12

This is a multidisciplinary course designed to help students develop communication, group process, and facilitative leadership skills. Student leaders develop and apply techniques of leading, planning, organizing, conducting, and evaluating, including creative problem solving and critical thinking. Activities include participating in setting individual and group goals, recognizing and producing quality products and performance, cooperative planning and learning, sharing responsibilities, taking positive action, and working with people from diverse backgrounds. This course may be repeated for elective credit.

LLH 5370/LLH 5371: Argumentation and Debate/Argumentation and Debate Lab (.5 credit each)

Experiences in this course help students develop their ability to analyze an issue and prepare and present sound arguments to support a position on the issue. Debate is a process that involves research followed by a critical examination and consideration of ideas. It is a tool that enables careful analysis of problems and issues and a diligent search for viable solutions. Students will develop skills of reasoning, analysis, and research. They will explore the nature of persuasion and prepare a case using a variety of strategies.

LWH 5235/LWH 5231: Creative Writing and Creative Writing Lab (.5 credit each)

This writing-intensive semester course covers all aspects of creative writing of poetry and short stories, from setting, characters, dialogue, plot, word choice, conflict, and revision. The second-semester class is a continuation of the first semester, with an emphasis on workshopping stories and poems in student groups.

LWY 5250: Journalistic Writing and Publishing

This is a yearlong, writing-intensive course for students to learn about journalistic writing and newspaper publishing. Students act as staff writers and editors for The Wildcat newspaper, producing content and managing the online web site and print editions. Skills include research, evaluation of sources, oral speaking and interviewing, writing, design, photography, and website production.

LLH 5253/LLH 5254: Journalistic Writing and Publishing Lab A/B (2nd Year Journalism)

2nd Year course of Journalistic Writing and Publishing.

Prerequisite: Completion of Journalistic Writing and Publishing (1st year)

Yearbook

1 XYY 8610 This course introduces students to planning and producing the school's yearbook. Writing of copy, captions, and headlines; typing; designing and completing layouts; working with photography; and meeting deadlines are included.

2 XYY 8630 This course is for intermediate yearbook students. Students are assigned sections to edit, and plan and supervise the work of others on the sections. As editors, they also work with faculty members and the administrative staff in planning, scheduling, and carrying out the work to be done.

3 XYY 8650 This course is for advanced students who have taken Yearbook Production 2. Because of their experience, students in this course will assume major responsibility for planning and producing a yearbook.

Weight and Resistance Training

PWP 1210/1220: Weight Training 1A/1B

PWP 1230/1240: Weight Training 2A/2B

This PE elective course has a general concept of being "physically fit" and a series of activities designed sequentially and progressively are part of this course which helps students develop an individual weight training routine. Topics related to safety and etiquette will include, but are not limited to: breathing, proper footwear, posture, technique, spotting, proper use of equipment, proper procedures, etc. The key feature of this course is to introduce safety and etiquette relative to weight and resistance training, define muscular strength and endurance, develop a training program, and provide modified weight and resistance training activities.

PTP 1640/1650 Team Sports

This PE elective course is designed to strengthen physical movement forms, concepts, principles, and skills through participation in a variety of team sports. Team Sports 1 should reintroduce a variety of lead-up activities and modified games that require students to apply locomotor and nonlocomotor movement skills (jumping, turning, twisting, leaping, etc.), movement concepts (chasing, fleeing, dodging, etc.), and manipulative skills (dribbling, kicking, punting, throwing, catching, volleying, and striking) in complex changing situations. Team sports could include, but are not limited to: adventure games, basketball, volleyball, soccer, softball, team handball, water polo and flag football. Students will learn positions represented in the different sports and basic rules and etiquette and strategies needed to participate competently in each sport. Students should follow certain precautions that need to be taken when participating in team sports to ensure the safety of themselves and others. Instruction should reinforce fundamental movement skills and the importance of working as a team to accomplish collective goals and desired outcomes. Key features of this course: introduce a variety of team sports, reinforce fundamental skills and sportpersonship and develop an appreciation of team sports.

PIP 1610/1620 Individual/Dual Sports

This PE elective course is designed for students to strengthen physical movement forms, concepts, principles, and skills through participation in a variety of individual and dual sports. Individual and Dual Sports 1 should reintroduce a variety of modified games and lead-up activities that require students to apply a variety of locomotor skills (jumping, leaping, running, etc.), movement concepts (chasing, fleeing, dodging, etc.) and manipulative skills (throwing, catching, volleying, striking, etc.), in complex changing situations.

Early College Courses

The Early College Program is a partnership between Konawaena High School and Hawaii Community College. This Dual Credit Program allows students to receive Hawaii Department of Education and University of Hawaii credits concurrently. Students who successfully complete all Early College courses may earn up to 28 total University of Hawaii credits.

Interdisciplinary Studies (IS) 101: Building Bridges to Self and Community

(1 High School Credit/3 College Credits). This course builds the academic, technological, social, and personal skills needed to succeed in college and the work world, including goal setting and teamwork. Self reflection and community engagement support the development of problem solving, critical thinking, stress management, and global understanding skills. This course builds a foundation for first year students to succeed in the college environment as well as explore applications to social science disciplines including psychology, sociology and political science which underpin personal and social change. Offered in Summer Semester for incoming 9th graders.

English (ENG) 100: Composition 1 (1 High School Credit/3 College Credits): Instruction and practice in writing clear, effective university-level prose. Attention to all stages of the process- generating ideas, drafting, revising, and editing.

Offered in Fall Semester. Corresponds to Speech 251. Satisfies either English 11 or English 12.

Prerequisite: 18 or above on ACT English Subtest.

Speech (SP) 251: Effective Public Speaking (1 High School Credit/3 College Credits). Analysis, preparation and delivery of speeches. Emphasis on content, organization and style. Offered in Spring Semester. Corresponds to English 100.

Prerequisite: Successful completion of English 100.

Human Services (HSER) 110: Introduction to Human Services (1 High School Credit/3 College Credits). Designed to provide students with an overview of the human services field, including history and perspectives on strategies of intervention and prevention. Emphasizes self-awareness, and examines the attitudes, knowledge, and skills necessary for a career in Human Services. Provides a diverse group of students with a basic understanding of cultural awareness through place based pedagogy. Guest speakers and visits to various agencies in the local community give students insight into the Human Service profession. Offered in Fall Semester. Corresponds to HOST 101.

Hospitality/Tourism 101 (HOST): Introduction to Hospitality and Tourism (1 High School Credit/3 College Credits).

Provides an overview of the travel industry and related major business components. Analysis of links between hotel, food, transportation, recreation, and other industries comprising tourism. Offered in Spring Semester. Corresponds to HSER 110.

Early College Courses

Hawaiian Lifestyles Academic Subject Certificate

Hawaiian Language (HAW) 101: Elementary Hawai'i Language 1 (1 High School Credit /4 College Credits). Study of basic structures of Leo Hawai'i or Hawai'i Language. Emphasis on listening, speaking, reading, and writing skills within a Hawai'i cultural context. Offered in Fall Semester of alternating years. Corresponds to HWST 105. Grade of C or better required to satisfy requirements for Hawaiian Lifestyles Subject Certificate.

Hawaiian Studies (HWST) 105: Mea Kanu Hawai'i: Hawaiian Plants (1 High School Credit/3 College Credits).

Hawaiian cultural uses and functions of Hawai'i's plants. Examines cultural knowledge and insights linked to perspectives of ceremony, clothing, food, medicine, shelter, sustainability and other cultural practices. Offered in Spring Semester of alternating years. Corresponds to HAW 101. Grade of C or better required to satisfy requirements for Hawaiian Lifestyles Subject Certificate. Satisfies Required Science Elective.

Hawaiian Studies (HWST) 100: Piko Hawai'i: Connecting to Hawaii Island (1 High School Credit/3 College Credits).

Piko Hawai'i is central to understanding the cultural significance of our island home. Explore and connect with significant places of Hawai'i Island. Develop a cultural relationship with its sacred geography and people. Offered in Fall Semester of alternating years. Corresponds to HWST 101. Grade of C or better required to satisfy requirements for Hawaiian Lifestyles Subject Certificate. Satisfies Required Social Studies Elective or Modern History of Hawaii Requirement.

Hawaiian Studies (HWST) 101: 'Aikapu: Hawai'i Culture I (1 High School Credit/3 College Credits). Examines the cultural traditions of Hawai'i that flourished before the abolition of the kapu system in 1819. Covers foundations of the early society in Hawai'i that evolved with the arrival of various Polynesian voyagers along with their family traditions, distinct customs, and cultural practices. Offered in Spring Semester of alternating years. Corresponds to HWST 100. Grade of C or better required to satisfy requirements for Hawaiian Lifestyles Subject Certificate. Satisfies Required Social Studies Elective or Modern History of Hawaii Requirement.