

# *Konawaena* *High School*



*2026-27 COURSE GUIDE*

<http://www.konawaenahs.org>

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# High School Diploma Requirements

|                                       |   |
|---------------------------------------|---|
|                                       |   |
| <b>English</b>                        | <b>4.0 credits including:</b><br>1. English Language Arts 9<br>2. English Language Arts 10<br>3. English Language Arts 11 or *English Language Arts Hawaii/Pacific Literature 11<br>(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.)<br>4. English Language Arts 12- or *English Language Arts Hawaii/Pacific Literature 12<br>(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.) |
| <b>Social Studies</b>                 | <b>4.0 credits including:</b><br>1. World History<br>2. US History<br>3. Modern History of Hawaii and Participation in a Democracy<br>4. Required Social Studies Elective <ul style="list-style-type: none"> <li>● Psychology and Sociology</li> <li>● American Problems and Asian Studies</li> <li>● Economics and Geography</li> <li>● AP US History</li> <li>● AP US Government and Politics</li> </ul>  |
| <b>Mathematics</b>                    | <b>3.0 credits including:</b><br>1. Algebra 1<br>2. Geometry<br>3. Required Math Elective <ul style="list-style-type: none"> <li>● Algebra 2</li> <li>● Modeling Our World 2-Financial Algebra</li> <li>● Introduction to College Math*</li> <li>● AP Pre-Calculus*</li> <li>● AP Calculus AB*</li> <li>● AP Calculus BC*</li> </ul><br>*Completion of Algebra 2 Required   |
| <b>Science</b>                        | <b>3.0 credits including:</b><br>1. Physical Science (Honors prerequisite - Algebra 1)<br>2. Biology (Honors prerequisite- grade level or higher reading level)<br>3. Required Science Elective <ul style="list-style-type: none"> <li>● Chemistry</li> <li>● Environmental Science</li> <li>● Human Physiology</li> <li>● AP Biology</li> </ul>  |
| <b>Physical Education</b>             | <b>1.0 credit</b><br>1. PE Lifetime and PE Activities (.5 credit each)  |
| <b>Health</b>                         | <b>0.5 credit</b>   |
| <b>Personal Transition Plan (PTP)</b> | <b>0.5 credit completed in advisory class, by the end of the 1st semester of their senior year.</b>   |

|                           |  |
|---------------------------|--|
| <b>Required Electives</b> | 2 credits in World Language, Fine Arts, Career and Technical Education, or JROTC. <ul style="list-style-type: none"> <li>● Two credits in a single World Language. Credits must be taken in sequence with consecutive course numbers in the study of one language.</li> <li>● Two credits in a Fine Arts discipline: Visual Arts, Music, Drama or Dance.</li> <li>● CTE: Two credits need to be in a single career pathway program of study sequence.</li> <li>● JROTC: Two consecutive JROTC courses fulfill two CTE credits for diploma requirements.</li> </ul> |
| <b>Electives</b>          | Any subject area. 6 total credits.   |
| <b>Special Programs</b>   | Communication and Literacy Skills for Newcomers 1A & 1B (9-12 Supplemental Elective)   |
| <b>Total</b>              | <b>24.0 credits</b>  |



## Possible Post-Secondary Plans

|   |   |
|---|---|
| <b>4-year college</b>   | 2.0 credits in World Language<br>Algebra 2<br>1.0 credit in Fine Art (depends on which state you want to attend college in)   |
| <b>2-year college</b>   | High school diploma   |
| <b>Technical training</b>   | High school diploma   |
| <b>Military</b>   | 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. |
| <b>Work/Career</b>  | High school diploma   |
| <b>NCAA/NAIA</b><br><a href="http://www.ncaapublications.com/productdownloads/COUNSELORS19.pdf">http://www.ncaapublications.com/productdownloads/COUNSELORS19.pdf</a> | 4 English courses (one per year)<br>4 math courses (one per year)<br>4 science courses (one per year)<br>4 social science courses (one per year)  |

## Honors Recognition Certificate Requirements

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

# CTE Pathways Video

DRAFT VERSION 1.4

## 13 CTE CAREER PATHWAYS AND PROGRAMS

### Cultural Arts, Media, and Entertainment

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

### Business Management, Finance, and Marketing

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

### Health Services

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

### Information Technology and Digital Transformation

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

### 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   |
|--|---|---|
| <b>Cultural Arts, Media and Entertainment</b>      | <ul style="list-style-type: none"> <li>● Animation</li> <li>● Broadcast Media</li> <li>● Digital Media</li> <li>● Entrepreneurship</li> <li>● Fashion Design</li> <li>● Game Design</li> <li>● Graphic Design I</li> <li>● Graphic Design II</li> <li>● Web Design</li> <li>● Journalistic Writing and Publishing</li> <li>● Creative Writing</li> </ul>  | <p>First course required:<br/>Foundations of Creative Media</p> <p>Additional Course:<br/>Digital Video Technology</p>                                      |
| <b>Business Management, Finance, and Marketing</b> | <ul style="list-style-type: none"> <li>● Accounting I</li> <li>● Accounting II</li> <li>● Business Law</li> <li>● Entrepreneurship</li> <li>● Finance</li> <li>● Human Resources Management</li> <li>● Management</li> <li>● Management Information Systems</li> <li>● Marketing</li> <li>● Office Administration</li> <li>● Oracle Certification</li> <li>● Retail Marketing and Merchandising</li> <li>● Travel Management</li> </ul> | <p>First course required:<br/>Foundations of Business and Marketing</p> <p>Additional Course(s):<br/>Entrepreneurship 1<br/>Entrepreneurship 2</p>          |
| <b>Health Services</b>                             | <ul style="list-style-type: none"> <li>● Advanced Health Svcs</li> <li>● Emergency Medical Services</li> <li>● Health Information</li> <li>● Medical Biotechnology</li> <li>● Nurse's Aide Training</li> <li>● Nutrition</li> </ul>   | <p>First course required:<br/>Foundations of Health Services</p> <p>Additional Course:<br/>Advanced Health Services</p>                                     |
| <b><u>Hospitality, Tourism, and Recreation</u></b> | <ul style="list-style-type: none"> <li>● Culinary I</li> <li>● Culinary II</li> <li>● Hospitality Services</li> <li>● Restaurant Chef</li> <li>● Personal or Private Chef</li> <li>● Caterer</li> <li>● Baking and Pastry Chef</li> <li>● Cooking School Instructor</li> <li>● Food Service or Restaurant Manager</li> <li>● Head cooks</li> <li>● Hospitality Industry</li> </ul>  | <p>First course required:<br/>Foundations of Culinary Arts</p> <p>Additional Courses:<br/>Culinary Arts: Food Prep<br/>Advanced Culinary: Pastry/Savory</p> |

|   |   |   |
|---|---|---|
| <p><b>Information Technology and Digital Transformation</b></p> | <ul style="list-style-type: none"> <li>● A+ Certification</li> <li>● Building and Construction I</li> <li>● Building and Construction II</li> <li>● CISCO Certification</li> <li>● Computer Networking</li> <li>● Cybersecurity</li> <li>● Computer Technician</li> <li>● Design Technology I</li> <li>● Design Technology II</li> <li>● Electrical Installation</li> <li>● Electronics and Electrical Engineering I</li> <li>● Electronics and Electrical Engineering II</li> <li>● Engineering Technology I</li> <li>● Engineering Technology II</li> <li>● Entrepreneurship</li> </ul> | <p>First course required:<br/>Foundations of Comp Sys &amp; Tech</p> <p>Additional Course:<br/>Networking 1</p>   |
| <p><b>Agriculture, Food, and Natural Resources</b></p>          | <ul style="list-style-type: none"> <li>● Animal Systems I, II</li> <li>● Environmental and Conservation Sciences</li> <li>● Entrepreneurship</li> <li>● Environmental Resource Management</li> <li>● Fisheries</li> <li>● Forestry</li> <li>● Natural Resource Business Development</li> <li>● Natural Resources Biotechnology I</li> <li>● Natural Resources Biotechnology II</li> <li>● Natural Resources Production I</li> <li>● Natural Resources Production II</li> <li>● Plant Design and Management</li> <li>● Plant Systems I</li> </ul>  | <p>First course required:<br/>Foundations of Ag, Food, Nat Res.</p> <p>Additional Course(s):<br/>Food Sys Components and Drivers<br/>Sustainable Food Systems</p> |
| <p><b>Automation and Robotics Technology</b></p>                | <ul style="list-style-type: none"> <li>● Electro-Mechanical Technician</li> <li>● Mechanical Engineering Technician</li> <li>● Manufacturing Production Technician</li> <li>● Robotics System Technician</li> <li>● Process Control Systems Integration Technician</li> </ul>   | <p>First course required:<br/>Foundations of Manufacturing</p> <p>Additional Course:<br/>Automation and Robotics Tech 1</p>                                       |
| <p><b>Transportation Services</b></p>                           | <ul style="list-style-type: none"> <li>● Auto Mechanic</li> <li>● Auto Body</li> </ul>  | <p>First course required:<br/>Introduction to Automotive Maintenance and Light Repair (MLR)</p>   |

|  |  |   |
|--|--|---|
| <b>Residential and Commercial Construction</b> | <ul style="list-style-type: none"> <li>● Contractor</li> <li>● Carpenter</li> <li>● Machine Operator</li> <li>● Heavy Equipment Operator</li> <li>● Project Estimator</li> </ul> | First course required:<br>Foundations of Construction<br><br>Additional Course:<br>Res Com Construction 1 |
|--|--|---|

## 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<br>AP 2D Design<br>AP 3D Design          |
| Mathematics:    | AP Calculus AB<br>AP Calculus BC<br>AP Pre-Calculus |
| Science:        | AP Biology  |
| Social Studies: | AP US History (APUSH)<br>AP US Gov & Pol            |

## 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)**

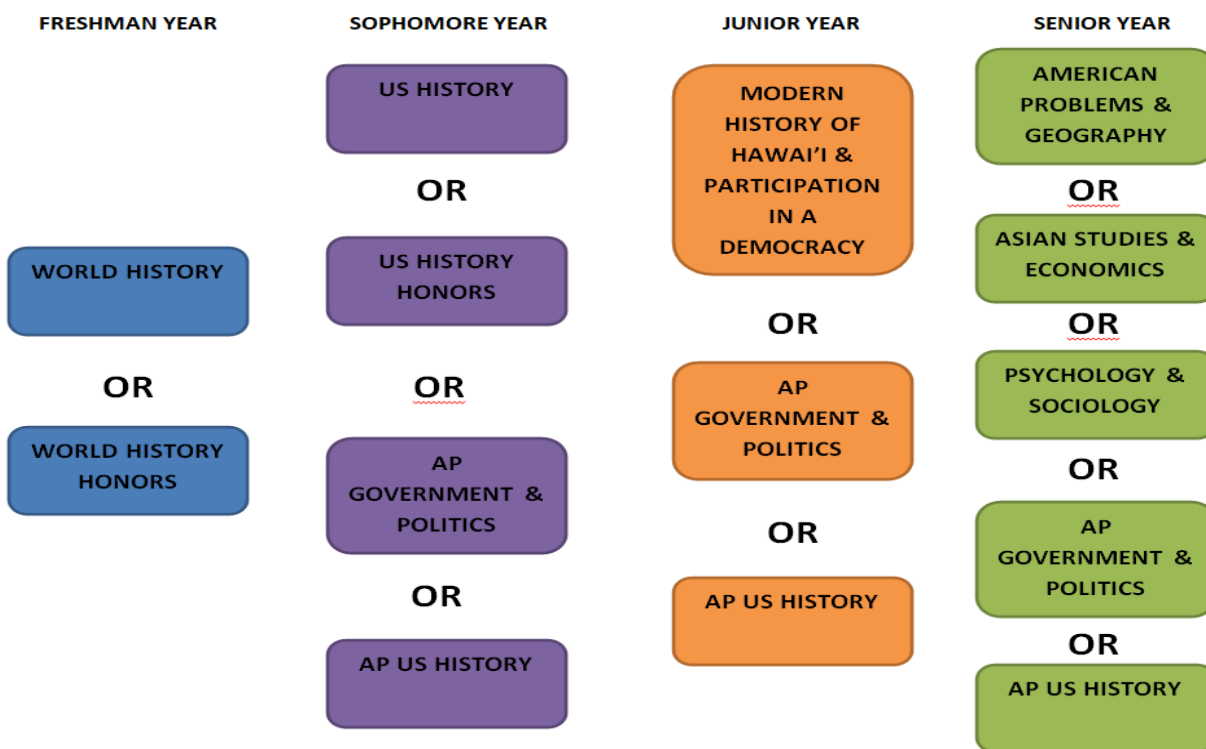
This course provides a balanced program of reading, writing, and oral communication. All of the tenth-grade benchmarks are addressed in this course. Reading, writing, speaking, and listening are experienced as interactive and interrelated processes focusing both on meaning and on semantic, syntactic, 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 AND CULTURE**

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 AND GOVERNMENT**

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

**CSA 2000: ADVANCED PLACEMENT HUMAN GEOGRAPHY (1 credit)**

The AP Human Geography course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**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 2nd semester. Paired with Global Studies.

### **CGW 2400: GLOBAL STUDIES (0.5 credit)**

This course examines, from a global perspective, contemporary economic, geo-political, and social issues in the global community. It also looks at the historic forces of global encounters and exchanges that affected, changed, and shaped the modern global world. Five global concepts that are basic to global studies are the lenses through which information can be examined. The global concepts are: interdependence; images and perceptions (related to prejudice, stereotypes, and bias); social justice (fairness and human rights); conflict and conflict resolution, and change and the future. Active engagement is expected of students. Satisfies Required Social Studies Elective for graduation. Taken during 1st 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

## **Mathematics**

### **Math Path**

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

### **MAX 1155: Algebra 1 (1 credit)**

The 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.

**MXX 1300: Statistics (.5 credit)**

This course provides students with an introduction to statistical issues and concerns and presents strategies for analyzing and interpreting data. This course addresses the statistics content standards and includes the following topics: graphs and charts, collection and organization of data, measures of central tendency and dispersion, uses and misuses of statistics, frequency distributions, correlation, and regression. Corresponds with Probability.

**MXX 1100: Probability (.5 credit)**

This course focuses on the probability content standards with emphasis on developing probability concepts inherent in everyday situations experienced in investment, insurance, science, business, and technology. Emphasis is also placed on using probabilities in decision making. Laboratory experiences are provided. Corresponds with Statistics.

**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 1040: AP Calculus AB (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.

**MCX 1140: Calculus 3 (1 credit)**

Calculus III is a course intended for students who have completed AP Calculus AB. The course covers vector algebra, vector-valued functions and motion in space, differentiation in several variables, multiple integrals, line integrals and Green's Theorem, surface integrals, Stokes' and Gauss' Theorem, and first- and second-order differential equations. The course may also include topics from Calculus I and II that are not emphasized in the AP Calculus curriculum (e.g., Newton's Method, Simpson's Rule, volume by cylindrical shells).

## **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**

#### **TCC 1000 Foundations of Creative Media (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 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.

#### **TCV 2000: Digital Video Technology (1 credit)**

Digital Video Technology is the second course in the Film & Media Production program of study designed to introduce students to the post-production process for digital film/video. Upon completion of the course, a proficient student will be able to demonstrate basic digital video and audio recording skills, video and audio uploading and editing techniques, and explain the film production process from concept to completion. 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.

## **Business Management, Finance and Marketing**

### **TBB 1000 Foundations of Business and Marketing (1 credit)**

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 (1 credit)**

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 (1 credit)**

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.

### **XFL 1010: Financial Literacy (.5 credit)**

This course is designed to help students develop the capacity for financial literacy by describing, analyzing, and evaluating many financial topics that most students will directly experience. Financial literacy, or financial capability is the capacity, based on knowledge, skills and access, to manage financial resources effectively. The course aims to develop this capacity, to have appropriate access to and understanding of financial products, services, and concepts, so as to empower individuals to make informed choices, avoid pitfalls, know where to go for help, and take actions to improve their present and long-term financial well-being.

### **TGG 1100: Career and Life Planning (.5 credit)**

This course is designed to support students in career development and guidance. It provides students knowledge and skills in learning about themselves, exploring life goals, careers and occupations, relating school subjects to future career needs, and making tentative long and short-range educational and/or career plans.

## **Health Services**

### **THF 1000 Foundations of Health Services (1 credit)**

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 (1 credit)**

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.

### **THD 3000 Diagnostic Services 1 (1 credit)**

Diagnostic Services 1 is the third course in the Diagnostic Services program of study designed to advance student learning on diagnostic services, including medical laboratory, phlebotomy, radiology, and cardiovascular. Upon completion of the course, a proficient student will be able to describe specific processes in the fields of medical laboratory, phlebotomy, radiology, and cardiovascular, and demonstrate knowledge of safety protocols and specific skills functions in each area. 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.

## **Hospitality, Tourism, and Recreation**

### **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: Advanced 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.

## **Information Technology and Digital Transformation**

### **TIF 1000: Foundations of Computer Systems and Technology (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 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 (1 credit)**

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

## **Building and Construction**

### **TCF 1000: Foundations of Construction (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 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 (1 credit)**

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

## **Agriculture, Food, and Natural Resources**

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

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.

### **SIF 3503: Sustainable Food Systems (1 credit)**

In this course, students will engage in the scientific discipline of agroecology. Agroecology (agriculture and ecology) is a scientific discipline that uses ecological theory and traditional knowledge to study, design, and manage agricultural ecosystems that are productive and resource-conserving. Students will be immersed in conversations and analysis of ecological sustainability, social equity, and climate change resilience with a goal of identifying problems and developing sustainable solutions in our food and agricultural system both locally and globally. Through the duration of this course, students will practice scientific and engineering processes, perform laboratory and fieldwork and learn alongside industry workers to examine both scientific and human dimensions of our food system.

### **TAD 3000: Food Systems Components and Drivers (1 credit)**

Food Systems Components and Drivers 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. 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.

## **Transportation Services**

### **TTF 1100: Introduction to Automotive Maintenance and Light Repair (MLR) (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. 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.

## **Automation and Robotics Technology**

### **TAM 1000: Foundations of Manufacturing (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 the Automation and Robotics Technology, Electro-Mechanical, and 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.

### **TAR 2000: Automation and Robotics Technology 1 (1 credit)**

Automation and Robotics Technology 1 is the second course in the Automation and Robotics Technology program of study designed to equip students with an understanding of the different phases of automation in the manufacturing industry. Upon completion of the course, a proficient student will have knowledge and skills in automation, the manufacturing production process, Six Sigma and the interrelationship in advanced manufacturing.

## **Fine Arts**

### **FVA 1000 AP Drawing (1 credit)**

AP Drawing is part of three different AP courses in the AP Art and Design program. It corresponds to a college and/or university foundational art course and requires students to submit a digital portfolio instead of a written AP exam.

### **FVA 3000 AP 2-D Design (1 credit)**

An advanced course designed for the serious art student planning to pursue a degree/career in the visual arts. Emphasis on the development of technical excellence, breadth of experience in a variety of media and process, and the concentration on a particular problem or medium that is of interest to the student will be focused on.

### **FVA 4000 AP 3-D Design (1 credit each)**

An advanced course designed for the serious art student planning to pursue a degree/career in the visual arts. Emphasis on the development of technical excellence, breadth of experience in a variety of media and process, and the concentration on a particular problem or medium that is of interest to the student will be focused on.

### **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.

**FVK 1000: Design 1 (1 credit)**

This is an introductory course to study design and the relationships of visual elements. The principles affecting visual expression are further explored. Students apply principles to solve visual problems.

**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.

**FVB 4000: Arts and Crafts of Hawaii (1 credit)**

This is an exploratory and introductory course that provides students with the opportunities to use natural and found materials for creative expression. Students are given opportunities to identify plants and fauna indigenous to Hawaii and describe how they are used in the creation of various arts and crafts of Hawaii. In addition, this course provides students with opportunities to master the fundamental skills and techniques necessary to produce a variety of Hawaiian arts and crafts.

**FVQ 1000: Drawing and Painting 1 (1 credit)**

This is an introduction to drawing and painting in the secondary school. Experiences include experimentation in dry media such as pencil, pastels, and conte crayon, and wet media such as ink watercolor, tempera, acrylics, and mixed media. Drawing and painting skills are refined to support personal interpretations and development of artistic style. Drawings and paintings of various cultures are introduced, aesthetically scanned, and further explored as investigative research.

**FVL 1000: Ceramics 1 (1 credit)**

This is an introductory course that introduces clay as a universal medium of expression. Functional and non-functional pieces from diverse cultures are introduced and analyzed. Hand building techniques involving pinch, coil, slab, and free form modeling are covered. Glazes, glazing techniques, and other methods of surface decoration are explored.

**FVL 2000: Ceramics 2 (1 credit)**

This intermediate course offers students opportunities to refine methods in clay hand-building techniques, glazing, and surface decoration. Ceramic pieces from various world cultures are introduced and analyzed.

## MUSIC

**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.

### **FMP 1000: Polynesian Music 1 (1 credit)**

The Polynesian Music 1 course is designed to help students understand and appreciate people, culture, art and music from the Polynesian Triangle and other countries/regions of the Pacific. Students develop a repertoire of ethnic songs and instrumental skills from various Polynesian cultures and participate in singing, dancing, and instrumental performances. In addition to the DOE music standard and benchmarks, the instructor may select other national music standards appropriate for students and may integrate other Fine Arts standards.

### **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

## **DANCE**

### **FDK 1000: Hawaiian Dance 1 (1 credit)**

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.

### **FDP 1000: Polynesian Dance 1 (1 credit)**

This beginning course is designed to provide students with the opportunities to learn various Polynesian dances that may include those of Western Polynesia (Samoa and Tonga), Eastern Polynesia (Tahiti, New Zealand, Marquesas, Hawaii and Easter Island), and Central Polynesia (Cook Islands). The course will also cover the cultural, social, historical, and expressive significance of these dances. Emphasis will be on foot and body movement as well as authenticity and costume.

## **World Languages**

### **Hawaiian (1 credit each)**

**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 credit each)**

**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 credit each)**

**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.

## **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 1000: Leadership Grade 9**

**XLP 2000: Leadership Grade 10**

**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.

## **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.

### **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.

**4 XYY 8670** This course is for students who have taken Yearbook Production 3. Because of their experience, students will assume additional responsibilities in 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. This course is NOT weighted.

**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. This course is weighted.

**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. This course is weighted.

**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. This course is NOT weighted.

**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. This course is NOT weighted.

**MATH 100: Survey of Mathematics** (1 High School Credit/3 College Credits). Designed to acquaint non-science majors with mathematical reasoning and problem solving, and to expose students to the power and utility of mathematics through its relationship to the world. Foundation topics covered are problem solving, elementary logic, and numeration systems; additional topics may include one or more of the following areas: algebra, business math, counting theory, geometry, probability, statistics, and voting methods. Proofs and historical perspectives are included as appropriate. This course is NOT weighted.

**MATH 115: Statistics** (1 High School Credit/3 College Credits). Math 115 is an introduction to statistics that covers descriptive statistics, elementary probability, and inferential statistics. This course is NOT weighted.

## **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. This course is NOT weighted.

**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. This course is NOT weighted.

**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. This course is NOT weighted.

**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. This course is NOT weighted.