ACADEMICS

Out of the ordinary: Learning at HPA.

At HPA, our location allows us to offer a high school education like no other. We combine a rigorous, college-preparatory curriculum with the chance to design and conduct your own real-world research, arts, or community projects. Through capstone classes, 16 Advanced Placement courses, our award-winning Energy Lab, immersive local learning, and other signature programs, we support and empower you to hone skills, build confidence, and create an impressive body of work for college and later life.

On Hawai‘i Island, you will discover vital ecosystems and unique geography; 11 of the planet’s 13 climate zones; a native Hawaiian culture dating back thousands of years; and a modern, multi-national island society. Through all of these resources and more, we create learning opportunities found nowhere else on earth.

Above all, we value our students as individuals with immense potential. We take the time to understand different learning styles. Our ultimate goal is to empower each student toward an individual sense of purpose, giving each one the tools to thrive in higher education and eventually in 21st century careers. HPA faculty are highly accomplished and deeply devoted to their work as instructors, advisors, and mentors.

SENIOR CAPSTONE PROJECTS

Senior Capstone projects last the full school year and their focus can be scientific, artistic, mathematical, social—wherever a student’s interest may lead. Students pursue their projects either by enrolling in a capstone course or by proposing independent study; faculty mentors guide and advise throughout the process. Capstone work serves as a culminating academic experience and requires students to put into action the knowledge and skills they’ve gained at HPA.

A FEW EXAMPLES OF RECENT PROJECTS INCLUDE:

- Facial Recognition and Data Privacy
- Understanding Climate Change Though The Study of Feminization in Sea Turtles
- Building A Streetwear Fashion Brand
- College Athletic Recruiting App For High School Athletes
- Full Length Psychological Thriller Novel
- Music Recording and Production
- From Software to Hardware: Game Development and Music Technology
- Monitoring and Preservation of Hawaiian Waterways
- *Ke Ala o Nā Hōkū*: Traditional Polynesian Navigation Training
- Nanodrop: Determining Small Concentrations of DNA and Protein with High Accuracy

ENERGY LAB

Innovation Incubator

The HPA Energy Lab, which opened in 2010, hosts students engaged in independent research. The lab provides an atmosphere of ingenuity and collaboration, dedicated workspace, and a multitude of tools and technologies to enable projects in any discipline. Over the years, students in the Energy Lab have partnered with organizations like NASA, the W. M. Keck Observatory, the Pacific Tsunami Warning Center, and Stanford, and Cornell Universities.

DEPARTMENTS AND COURSES

SENIOR CAPSTONES

Activism through Music
Agriculture and Design
Applications of Ecology and Evolution
Art, Culture, and Community
Data-Driven Entrepreneurship
Global Politics and Policy Implementation
Independent Capstone
Migrations of Moananuiākea: Traditional Navigation & Modern-day Voyaging in Oceania Sustainability through Action
The Art of Story

COMPUTER SCIENCE

Independent Science Research
Introduction to Programming
Robotics

ENGLISH

AP Language & Composition
English 9: The Individual
English 9 Honors
English 10: The Individual and Community
English 10 Honors
English 11: The Individual and Society
English 12: The Global Individual
English 12 Honors

ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

Advanced ELL Composition
Advanced ELL Reading & Speaking
ELL Content Bridge
ELL World Cultures
Intermediate Content Studies
Intermediate ELL - Composition
Intermediate ELL - Reading
Intermediate ELL Listening & Speaking

FINE ARTS

Visual Arts:

Art History
Ceramics I, II, III
Drawing I, II, III
Digital Cinema
Intermediate Digital Photography
Mixed Media I, II, III
Painting I, II, III
Photojournalism/Yearbook
Woodworking

Performing Arts:

Acting: Being "Real"
Acting: Being "Theatrical"
Composing, Songwriting, and Arranging
Exploring Comedy
Improv & Public Speaking
Instrumental Ensemble
Instrumental Ensemble
Music Technology
Musicianship I, II
Playwriting
Stagecraft
The Voice: Musical Theater Repertoire
Theater Lab

MATHEMATICS

AP Calculus AB
AP Calculus BC
AP Statistics
Algebra I
Algebra II
Algebra II Trigonometry Honors
Calculus
Geometry
Geometry Honors
Precalculus
Precalculus Honors
Multivariate Calculus Honors
Introduction to Statistics

MODERN LANGUAGE

AP Spanish
Hawaiian I, II, III
Hawaiian IV Honors
Japanese I, II, III
Japanese IV Honors
Japanese V Honors
Mandarin Chinese I, II, III
Mandarin IV Honors
Spanish I, II, III
Spanish IV Honors

SCIENCE

Anatomy & Physiology I
Anatomy & Physiology II
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
AP Physics C
Astronomy
Biodiversity
Biology
Biology Honors
Chemistry
Chemistry Honors
Independent Science Research
Marine Biology
Physical Oceanography
Physics

SOCIAL STUDIES

AP Comparative Government
AP Human Geography
AP Psychology
AP U.S. History
Disease and Epidemics Throughout History
Economics Honors
Global Roots
Hawaiian Studies 1 - Pilina: Hawai'i Geography & Family Systems
Hawaiian Studies 2 - Mana: Traditional Hawaiian Society & Leadership
Hawaiian Studies 3 - Ka'ao: Hawai'i Mythology
Hawaiian Studies 4 - Hoa'āina: Cultural Resource Stewardship & Engagement
Philosophy
The Long Civil Rights Movement
U.S. History
World History

Learn more at hpa.edu/academics

Information is reflective of HPA's offerings in a typical academic year. Some programs or services may be unavailable due to COVID-19.

HAWAIʻI PREPARATORY ACADEMY
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