



Hawai'i Preparatory  
Academy



## 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.

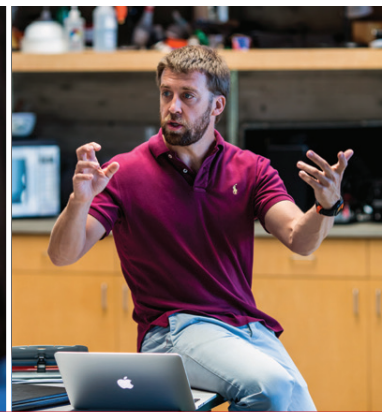
## CAPSTONE PROJECTS

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:

- Cybersecurity and Penetration Testing
- Solar Panel Cleaning Robot
- Carnivorous Caterpillar Biodiversity on the Big Island
- Helping Hawai'i's Yellow-faced Bees
- Human Machine Interface: Bionic Prosthetic Hand
- Destruction of Free Speech in Modern Countries
- Photography of Human Developments in Nature
- An Exploration of Investment Strategies
- Podcast + Event Marketing
- Unleashing Capital Markets & Investments





## 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

### COMPUTER SCIENCE

Computer & Electrical Engineering  
Coding  
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 11 Honors  
English 12: The Global Individual  
English 12 Honors  
English 12: Food in Culture and Politics  
Writing for Performance

### ENGLISH AS AN ADDITIONAL LANGUAGE (EAL)

Advanced ELL Composition  
Advanced ELL Reading & Speaking  
ELL Content Bridge  
Intermediate ELL - Reading  
Intermediate ELL - Composition  
Intermediate Content Studies

Intermediate ELL Listening & Speaking  
ELL World Cultures

### FINE ARTS

#### Visual Arts:

AP Studio Art: 2D/3D/Photography  
Art History  
Coding  
Ceramics  
Advanced Ceramics  
Drawing  
Digital Cinema  
Digital Photography  
Intermediate Digital Photography  
Mixed Media  
2D Mixed Media  
Painting  
Photojournalism/Yearbook  
Woodshop

#### Performing Arts:

Acting  
Acting for Camera  
Improv Comedy  
Choir  
Instrumental Ensemble  
Musical Theater  
Stagecraft  
Independent Study: Music

### MATHEMATICS

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

### MODERN LANGUAGE

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  
AP Spanish

### SCIENCE

AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics 1, 2  
AP Physics C

Agroecology  
Astronomy  
Biodiversity  
Biology  
Biology Honors  
Biotechnology  
Chemistry  
Chemistry Honors  
Flight  
Independent Science Research  
Marine Biology  
Physical Oceanography  
Physics

### SOCIAL STUDIES

AP Comparative Government  
AP Human Geography  
AP Psychology  
AP U.S. History  
Civics & The American System  
Culture, Place & Identity  
Economics Honors  
Environmental Stewardship  
Global Issues  
Hawaiian History & Culture  
Hawaiian Voyaging & Navigation  
Historical Cultural Literacy  
History Through Mixed Media  
Social Entrepreneurship  
U.S. History  
World History  
World Religions

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## HAWAI'I PREPARATORY ACADEMY

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