

Hawai'i APSI 2026 Agenda



Date: 20-23 July, 2026
Time: 8:00 am-4:00 pm
Farrington High School

Theme:

Sharing the spirit of aloha!
(The Aloha Spirit - Compassion and kindness to all with whom we cross paths in our everyday lives)

AP® Biology Course Description:

Over the course of the 4-day workshop, all teachers, both new and seasoned will gain something to bring back to their classroom. Participants in this in-depth training will increase their knowledge of and comfort level with the AP Biology Curriculum, including an in-depth review of the AP Biology Course and Exam Description (CED), and they will learn how to plan their course around the CED. We will perform some of the labs from the new lab manual, conduct some effective and inexpensive labs, and discuss how to tweak labs you currently use to make them student-driven and inquiry-based. Various instructional and learning strategies will be introduced in order for participants to fully integrate the science practices into their daily classroom. In addition, time will be spent familiarizing ourselves with the format, sample questions, and grading of the AP Biology exam along with some FRQ tips and tricks. We will also look at the scope and sequence of the course with time being dedicated to your own course syllabus and lesson planning. You will leave the week with some completed Unit plans and the confidence to effectively teach the course.

Items Needed:

Laptop Computer and your 2026-2027 School Calendar



This schedule may change in accordance with the participant needs as determined during the first day of the workshop

Day 1

DAY 1: Getting Started with AP Biology

Focus: Building the foundation for teaching AP Biology

- Exploring the Course and Exam Description (CED)
- Understanding how the course framework connects to the Big Ideas and Science Practices
- Promoting diversity and access in AP Biology
- Hands-on lab experiences
- How to plan your pacing calendar and organize the year
- Reflection and goal setting for the week

Day 2

DAY 2: Teaching, Learning and Assessment

Focus: Instructional strategies and assessment tools

- Understanding the structure of the AP Exam and connecting it to classroom instruction
- Lab demonstrations
- Using formative and summative assessments to track student progress
- Incorporating AP Classroom resources and Free Response practice
- Modeling what a typical day in an AP Bio classroom looks like
- Writing and analyzing lab reports using CER and science writing templates

Day 3

DAY 3: Using Data, Scoring and Course Planning

Focus: Data analysis, statistics, and building your course plan

- Applying statistics in biology (Chi Square, Hardy-Weinberg, Osmosis Investigations)
- Assessing student understanding through Free Response Questions
- Practicing FRQ scoring and peer feedback
- Labs: Enzymes, Photosynthesis, and Osmosis investigations
- Using AP Classroom for progress checks, question banks, and planning assessments
- Creating your own unit plan with labs, misconceptions, and assessment ideas

Day 4

DAY 4: Tying it all Together

Focus: Scientific argumentation, modeling, and classroom innovation

