



'IOLANI
SCHOOL

2023 Summer Residential Programs Course Catalogue



UPDATED: 1/3/23

» Overview



'Iolani Summer Residential Programs' holistic approach offers students 12 to 16 years old the opportunity to engage in hands-on learning through enrichment classes, extracurricular activities and exciting field trips around O'ahu. Regardless of the selected program, students will participate in daily leisure activities and excursions, with special events planned every weekend!

'Iolani provides students with the opportunity to immerse themselves in the local culture on and off campus. In addition to a learning environment that takes advantage of the tremendous resources on campus, our enrichment programs utilize the school's geographic location in Honolulu to create unique opportunities for personal growth and development through exposure to Hawai'i's unique natural environment, culture, and local attractions and events. The goal of each program is to provide a balanced schedule of academic pursuits and extracurricular activities.

Daily Schedule

Rising	7:00 a.m.
Breakfast	7:30 a.m.–7:50 a.m.
Period 1	8:00 a.m.–10:00 a.m.
Morning Break	10:00 a.m.–10:20 a.m.
Period 2	10:30 a.m.–12:30 p.m.
Lunch	12:40 p.m.–1:00 p.m.
Period 3	1:15 p.m.–3:15 p.m.
Dorm Check-in & Rest	3:30 p.m.–4:30 p.m.
Study Hall/Afternoon Activities	4:30 p.m.–5:30 p.m.
Dinner	6:15 p.m.–6:45 p.m.
Evening Programming	7:00 p.m.–8:30 p.m.
Dorm Check-in	8:45 p.m.
Room Inspection	9:00 p.m.
Lights Out	10:00 p.m.–10:30 p.m.

Program Dates

6-Week Session:
June 12, 2023 to July 21, 2023

First 3-Week Session:
June 12, 2023 to June 30, 2023

Second 3-Week Session:
July 2, 2023 to July 21, 2023

» How to Choose & Register for Courses

Courses are provided, arranged, scheduled, and registered by the 'Iolani Special Programs Office (SPO), a separate team from Summer ResLife. All courses are for local students as well as ResLife students based upon availability. Each summer there are well over 1,000 students attending classes, therefore following the registration process carefully is of utmost importance.

Given the large student numbers and small class sizes, courses fill quickly during registration. A waitlist process will be available.

The 2023 course catalog will be published by the Special Programs Office in February and registration opens in stages. The courses described in this document are subject to change and should be viewed as a guideline only.

If accepted to the Summer ResLife Program prior to class registration in March, you will indicate your course preferences in the application process based upon 2022 class offerings.

If accepted after registration is opened to the public, you will be sent the 2023 course catalog upon acceptance, and given registration instructions, but understand that class availability will significantly be diminished.

The 2023 course catalog for Summer ResLife students will look very similar to the class information herein. Please read each of the course descriptions, paying particular attention to when each course is available, and to which grade levels each course is available. Please choose courses for the grade level your child will be **entering** in the fall. Please note that some courses are available in each period for both sessions and others are only available in one period in session one or two but not both. Other courses are only available to students attending for six weeks. Courses for credit are ONLY offered to current 'Iolani students. We will do everything we can to accommodate your preferences. If you need further assistance, please contact our Summer ResLife administrative office at summerreslife@iolani.org or 1-808-943-2231 during Hawai'i standard office hours.

Island Adventures

This is a period three option offered only to our Summer ResLife students. Meet new people, make new friends, and have fun! With an emphasis on leadership, team building, and the ONE TEAM philosophy, students will engage in a variety of activities. Students will participate in games, team sports, and water activities appropriate to their age and ability level, including hiking, paddling, and swimming. Off-campus field trips and excursions will occur frequently. Last summer, 98% of ResLife students enjoyed this option.

Example Preferences (Grade 7 student attending Session One):

Period 1:

Choice 1 – Intro to Laser Cutting

Choice 2 – Science in our Stars

Choice 3 – Surface Application & Design

Choice 4 – Written Expression

Period 2:

Choice 1 – Welcome to Robotics

Choice 2 – Adventures in Esports

Choice 3 – Just Type It!

Choice 4 – Show Me the Money

Period 3:

Choice 1 – Island Adventures

Choice 2 – Logic and Reasoning

» 2022 Course Overview (subject to change for 2023)

Course	Period 1	Period 2	Period 3	6W	S1	S2	7	8	9	10	11	12	CREDITS
ART													
Surface Application and Design	•	•			•	•	•	•					
Ceramics			•	•					•	•	•		½
ENGLISH													
Written Expression	•	•			•	•	•	•					
Writing Sense	•	•			•	•	•	•	•				
Write Right! 9	•	•		•					•				½
Write Right! 10-12	•	•		•						•	•	•	½
MATHEMATICS													
Pre-Algebra Prep	•	•		•			•	•					
Some Science, Some Math	•	•				•	•	•					
Thinking Outside the Box	•	•				•	•	•					
Show Me the Money	•	•			•		•	•	•				
Logic and Reasoning			•		•	•	•	•	•				
Pre-Algebra Review	•	•		•				•	•				
Algebra 1 Review	•	•		•					•	•	•		
PERFORMING ARTS													
Intro to Improv			•		•	•	•	•	•	•	•	•	
Hip Hop			•		•	•	•	•	•	•	•	•	
STUDY AND LIFE SKILLS													
Conversational Japanese	•	•		•			•	•	•				
The Art of Bullet Journaling			•		•	•	•	•	•	•	•	•	
Just Type It!	•	•			•	•	•	•	•	•	•	•	
Sequence 9	•	•		•					•				½
SAT & ACT Prep	•	•		•						•	•	•	
Bible	•	•	•	•						•	•	•	½
21ST CENTURY TOOLBOX													
Science in our Stars	•	•			•		•	•					
Graphic Design		•		•			•	•	•				
Intro to Laser Cutting	•				•	•	•	•	•				
Biomimicry: Sustainable Design & Innovation			•		•	•	•	•	•				
Introduction to Genome Science		•				•	•	•	•				
Welcome 2 Robotics	•	•			•	•	•	•	•				
Adventures in Esports	•	•			•	•	•	•	•	•	•	•	
Pathways to Community Leadership		•			•	•			•	•	•	•	

***All Summer ResLife students will be provided an iPad Pro for class purposes**

» Sample Course Descriptions



ART

Surface Application and Design

Grades 7–9

Why do people put stickers on things? In this course, we will answer this question by investigating examples of decorating, ornamenting, and customizing that can be seen all around us. Students will also work through the process of designing something with the intention of making it. They will learn and practice the skills needed to assemble and fabricate a functional piece of art using clay. The projects students produce will be influenced by examples of colorful and creative design, the tactile feel of interesting texture, and the desire. Please enroll in session 1 or session 2, not both.

ENGLISH

Written Expression

Grades 7–8

Students develop and sharpen expository writing through a variety of exercises intended to create, inform, summarize, critique, and persuade. Students use materials representative of 'Iolani's writing program with a focus on various young adult material and texts. Students may enroll in both sessions.

Writing Sense

Grades 7–9

Students will complete a variety of assignments based on sensory experience including poetry, fantasy writing, and character sketches. With a focus on reading and language enjoyment while writing daily, Writing Sense will also explore the various mediums we use in expressing our literary thought. Please enroll in session 1 or 2, not both.

» Sample Course Descriptions

MATHEMATICS

Adventures in STEM

Grades 7–12

This course provides students with the opportunity to discover how science, technology, engineering, and math improve our lives every day. Through exciting daily and weekly interactive challenges, students will learn design thinking techniques and apply them to solving real world problems.

Show Me the Money

Grades 7–9

This course investigates the characteristics and functions of money as it relates to both personal finance and the macroeconomy. Students will apply what they learn about money and the economy as they consider the financial decisions they will face throughout their lives using activities from the Learning, Earning, and Investing curriculum. Activities and simulations will be used to have the students use their financial literacy skills to practice making investment, financial, and everyday decisions.

Some Science, Some Math

Grades 7–8

Through a series of fun hands-on labs, students will learn the proper techniques of collecting and expressing data, which will help in future math and science classes. Entertaining and educational science videos are utilized to enhance the learning experience.

Thinking Outside the Box

Grades 7–8

This course will look at traditional problems in not-so-traditional ways. Students will learn to compute, think, communicate, and problem solve using activities that are visual and open.

Algebra 1 Review

Grades 9–11

For 6 week students only

Students will review 'Iolani's Algebra 1 curriculum in preparation for enrollment in Algebra 2. Topics include simplifying expressions, solving equations and inequalities with rational and irrational numbers, solving word problems, polynomials, the quadratic formula, factoring, graphing linear functions, and absolute value.

Prerequisite: Completion of Algebra 1.

Textbooks required: visit <https://bnck-12.com/iolani.htm> to purchase before classes begin.

Pre-Algebra Prep

Grades 7–8

For 6-week students only

Students review the four basic operations with whole numbers, fractions, and decimals while strengthening their ability to apply those skills in problem solving situations in preparation for Pre-Algebra.

Pre-Algebra Review

Grades 8–9

For 6-week students only

Students review the concepts of Pre-Algebra and explore various problem solving strategies. Topics include operations with real numbers, measurement and data analysis.

Textbook required: Please purchase at <https://bnck-12.com/iolani.htm> before start of class.

» Sample Course Descriptions

STUDY AND LIFE SKILLS

Just Type It!

Grades 7–12

This course is designed with a main emphasis on keyboarding skills. Students will learn proper keyboarding posture and technique while building their speed and accuracy using the touch type method. Students will focus on the alphabet, punctuation, and numeric keys. They should be able to key at 25 WPM by the end of the course. Students will also be introduced to a variety of options in Google Docs and Microsoft Office. Please enroll in session 1 or session 2, not both.

Conversational Japanese

Grades 6–12

For 6-week students only

Students learn basic spoken Japanese including greetings, useful expressions, personal questions and answers, and simple money transactions. Class activities include games, interviews and videos. No Japanese language background necessary.

Conversational Japanese Packet required: purchase at the Campus Store before classes begin.

SAT & ACT Prep

Grades 10–12

For 6-week students only

The 'Iolani test prep course focuses on preparing high school students to prepare for the college entrance exams, SAT and ACT. Students receive expert instruction on the evidence based reading, writing, science, and math sections of these tests. As part of this course, students will take five full practice exams, each producing a personal score report. Special features of the course include: (1) acquisition of skills necessary for improvement on these tests (2) leveled classes based on students' pre-assessment data to best target content; (3) in-depth practice with official College Board and American College Testing materials; (4) digital score analysis feedback for tracking improvement; (5) introductory college counseling from 'Iolani's Director of College Counseling; and (6) a 1/2 day review session before the actual examinations in the fall.

Textbook required: There are two required textbooks students must purchase for this course.

21ST CENTURY TOOLBOX

Adventures in Esports

Grades 7–12

This class introduces students to the many careers and college opportunities in the growing field of Professional and Collegiate Esports. Students will explore topics ranging from Esports streaming and casting, team management, coaching, sponsorship, video (VOD) reviews and more as students explore the requirements, skills and desired leadership traits of college Esports team scholarships. Students may enroll in both sessions.

Intro to Laser Cutting

Grades 7–10

Bridging art and technology, this course is an introduction to digital design specifically for laser-cutting. Students will work extensively with 2D software programs to design and create various laser-cut projects using a variety of materials in the Sullivan Center for Innovation and Leadership's Fabrication Lab. The class will begin by exploring graphic design and build their way up to visualizing how 2D pieces can come together to create 3D objects. Students will practice design thinking and develop the skills necessary to see an idea through from design to fabrication. Please enroll in session 1 or session 2, not both.



The Science in Our Stars

Grades 7-8

Students will learn the basics of astronomy, which will include looking at the Earth as an inhabitant of the Milky Way Galaxy and our place in the cosmos. This course will use a series of fun hands-on labs, daily videos, and discussions to introduce students to the mysteries of the stars, planets, and the movement of the celestial bodies.

Welcome 2 Robotics!

Grades 7-10

This course is a hands-on introduction to the challenge of the construction and programming of autonomous robots. It is a fun course for anyone wanting to be a part of the next generation of engineers and inventors with daily challenges and builds. Updated with the LEGO Mindstorms EV3 platform, students will be immersed in a project-based and collaborative learning environment, solving real world problems as they design, build and program working robots. Please enroll in session 1 or 2, not both.

Introduction to Genome Science

Grades 7-9

Have you ever wondered how we decrypt the information encoded within DNA, the molecular blueprint of life? From understanding our planet's biodiversity to fighting deadly pandemics to re-engineering life itself, genomics is all around us. And with these emerging technologies come new ethical horizons to ponder. Powered by the MinION nanopore sequencer, the labs in this course will introduce students to basic and advanced genomics and bioinformatics applications in order to answer real world questions.