



**'IOLANI**  
SCHOOL

# 2021 Summer Residential Programs

Register online: [www.iolani.org/srp](http://www.iolani.org/srp)



Updated: 03/05/21

# » Overview



'Iolani Summer Residential Programs' holistic approach offers students entering grades 6-10 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, 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.
<b>Period 1</b>	<b>8:00 a.m.-10:00 a.m.</b>
Morning Break	10:00 a.m.-10:20 a.m.
<b>Period 2</b>	<b>10:30 a.m.-12:30 p.m.</b>
Lunch	12:30 p.m.-1:00 p.m.
<b>Period 3</b>	<b>1:15 p.m.-3:15 p.m.</b>
Dorm Check-in & Rest	3:30 p.m.-4:30 p.m.
Afternoon Activities	4:30 p.m.-6:00 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

Six-Week Session:  
**June 13, 2021 to July 24, 2021**

First Three-Week Session:  
**June 13, 2021 to July 3, 2021**

Second Three-Week Session:  
**July 4, 2021 to July 24, 2021**

# » How to Choose Your Courses

Please read each of the course descriptions below, paying particular attention to when each course is available, and to the eligible grade levels for each course. 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. You are asked to choose TWO course options for each period. We will do everything we can to ensure your first choice is available to you; however, in some cases you will be assigned to your second choice. If you are attending our program for six weeks, we will need two course choices for each period for both session one and session two (up to 10 course choices depending on how many six week course offerings you choose).

Due to COVID-19, our summer 2021 class offerings will be limited. Specifically, in period 3, residential students can choose between Intramurals, Tennis, and Language Arts for English Language Learners. Ceramics is available in period 3 for six-week residential students entering grades 9 and 10. Please note that Language Arts for English Language Learners is also available in periods 1 and 2.

**Example Choices** (Grade 7 student attending Session One):

Period 1:

Choice 1 - STEM to the Rescue!

Choice 2 - Fun with Film!

Period 2:

Choice 1 - Soroban: Mental Math Wizards

Choice 2 - Drone Design & Fly

Period 3:

Choice 1 - Intramurals

**Once you have made your choices, please log into your “campintouch” account and complete “Form 5: Course Selection”.**

## **Non-Native English Speaking Students**

Students are welcome to take Language Arts for English Language Learners in two out of the three period blocks.

## **Contact Information**

If you have any questions regarding course selection or the course catalog, please contact Matt Rinkin, Director of Residential Summer Programs, at [mrinkin@iolani.org](mailto:mrinkin@iolani.org).

# » Course Overview

Course	P1	P2	P3	Grade 6*	Grade 7	Grade 8	Grade 9	Grade 10
<b>SESSION 1 (First Three-Week Session)</b>								
<b>ART</b>								
Surface Application and Design	•	•		•	•	•	•	
<b>ENGLISH</b>								
Writing Sense	•	•			•	•		
Language Arts for English Language Learners	•	•	•	•	•	•	•	•
<b>MATHEMATICS</b>								
Show Me the Money	•	•			•	•	•	
Soroban: Mental Math Wizards		•		•	•	•	•	•
<b>PHYSICAL EDUCATION &amp; SPORTS</b>								
Intramurals			•	•	•	•	•	•
Tennis			•	•	•	•	•	•
<b>STUDY &amp; LIFE SKILLS</b>								
SSAT Prep	•	•			•	•	•	
<b>21ST CENTURY TOOLBOX</b>								
Globe Hunt!	•	•			•	•	•	
Adventures in STEM	•	•		•	•	•	•	•
STEM to the Rescue!	•	•			•	•		
The Science in our Stars	•	•			•	•		
Drone Design & Fly	•	•			•	•	•	•
Web Design Studio	•	•			•	•	•	•
Welcome 2 Robotics	•	•		•	•	•	•	•
Adventures in Esports	•	•			•	•	•	•
Fun with Film!	•	•			•	•	•	•
Just Type It!	•	•		•	•	•	•	•
A Climate Change Witness Statement		•						•
<b>SESSION 2 (Second Three-Week Session)</b>								
<b>ART</b>								
Surface Application and Design	•	•		•	•	•	•	
<b>ENGLISH</b>								
Written Expression	•	•			•	•		
Writing Sense	•	•			•	•	•	
Language Arts for English Language Learners	•	•	•	•	•	•	•	•
<b>MATHEMATICS</b>								
Some Science, Some Math	•	•			•	•		
<b>PHYSICAL EDUCATION &amp; SPORTS</b>								
Intramurals			•	•	•	•	•	•
Tennis			•	•	•	•	•	•
<b>STUDY &amp; LIFE SKILLS</b>								
SSAT Prep	•	•			•	•	•	
<b>21ST CENTURY TOOLBOX</b>								
Globe Hunt!	•	•			•	•	•	
Adventures in STEM	•	•		•	•	•	•	•
Drone Design & Fly	•	•			•	•	•	•
Introduction to Genome Science		•			•	•	•	•
Web Design Studio	•	•			•	•	•	•
Welcome 2 Robotics	•	•		•	•	•	•	•
Adventures in Esports	•	•			•	•	•	•
Fun with Film!	•	•			•	•	•	•
Just Type It!	•	•		•	•	•	•	•
A Climate Change Witness Statement		•						•

\*Entering 6th grade eligibility is exclusively available through the Summer Residential Program

# » Course Overview

Course	P1	P2	P3	Grade 6*	Grade 7	Grade 8	Grade 9	Grade 10
<b>SIX-WEEK COURSES</b>								
<b>ART</b>								
Ceramics			•				•	•
<b>ENGLISH</b>								
Write Right!		•						•
<b>MATHEMATICS</b>								
Pre-Algebra Prep	•	•			•	•		
Pre-Algebra Review	•	•			•	•	•	
Algebra 1 Review	•	•					•	•
<b>STUDY &amp; LIFE SKILLS</b>								
P/SAT & ACT Prep	•	•						•
<b>WORLD LANGUAGES</b>								
Conversational Japanese	•				•	•	•	•

## » Session 1 Class Offerings



### ART

#### **Surface Application and Design**

Grades 6-9\*

*1st and 2nd Session (Available Period 1 and Period 2)*

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 to be undoubtedly unique.

### ENGLISH

#### **Writing Sense**

Grades 7-8

*1st and 2nd Session (Available Period 1 and Period 2)*

Students will complete a variety of assignments based on sensory experience including poetry, fantasy writing, and character sketches. With a focus on enjoyment of reading and language and daily writing, this course will also explore the various mediums we use in expressing our literary thought.

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## » Session 1 Course Offerings

### **Language Arts for English Language Learners**

Grades 6–10\*

*1st and 2nd Session (Available Period 1, Period 2 and Period 3)*

This course is designed to further develop students' communication skills in English. Specific areas targeted include listening, reading, and writing, with attention on vocabulary development and grammar progression. Daily assignments give students the opportunity to improve language foundations and develop comfort in an English classroom environment.

## **MATHEMATICS**

### **Show Me the Money**

Grades 7–9

*1st Session only (Available Period 1 and Period 2)*

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. Web based, interactive missions have students use their financial decision-making skills as they compete with other students to solve a simulated personal financial crisis.

### **Soroban: Mental Math Wizards**

Grades 6–9\*

*1st Session only (Available Period 2)*

The soroban or Japanese abacus is an ancient computational tool which is surprisingly useful in 21st century mathematical reasoning and development. Using the soroban, students enhance their computational and estimation skills, and understanding of numeration and place value. Oshimasensei, a soroban master, helps students visualize the mathematical operation and improve their mental computation. The goal of the course is not only to gain mathematical skills but also to improve concentration and confidence.

## **PHYSICAL EDUCATION & SPORTS**

### **Intramurals**

Grades 6–10\*

*1st and 2nd Session (Available Period 3)*

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 two to three times a week. Students should wear sunblock, athletic clothes, and non-skid, non-marking athletic shoes. Please bring a reusable water bottle and, on swim days, appropriate swimwear and a towel.

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## » Session 1 Course Offerings

### **Tennis**

Grades 6-10\*

*1st and 2nd Session (Available Period 3)*

This course is designed to teach basic tennis fundamentals and point play. This is a great way for students to have fun learning tennis and receiving the exercise benefits at the same time.

## **STUDY & LIFE SKILLS**

### **SSAT (Secondary School Admission Test) Prep**

Grades 7-9

*1st and 2nd Session (Available Period 1 and Period 2)*

With our test-like practice, you'll become familiar with the question-types and language used in the SSAT. Practice tests are designed to help you feel confident and ready come test day. You will also receive plenty of writing practice to help you write clear, concise responses to test writing prompts.

## **21ST CENTURY TOOLBOX**

### **Globe Hunt!**

Grades 7-9

*1st and 2nd Session (Available Period 1 and Period 2)*

When you enroll in this workshop you will be inducted into the elite "Crew Assembled To Criminal Hunt" (CATCH) organization. A master criminal is on the loose and has been traveling the world stealing some of the world's great treasures. CATCH has called on you to hunt down this master criminal and return the treasures to their home nations. You will use geographic clues from around the world to track the criminal from country to country and in the process learn about the world and how to use some handy online resources to gather information. In the process of hunting the criminal, students will learn new geography skills - including data collection and Google Earth - country location, map work, and hands-on arts and crafts. Select session 1 or 2, not both.

### **Adventures in STEM**

Grades 6-10\*

*1st and 2nd Session (Available Period 1 and Period 2)*

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.

### **STEM to the Rescue!**

Grades 7-8

*1st Session only (Available Period 1 and Period 2)*

In this highly interactive course, students will tackle and problem solve a new design challenge every day. Students will work in an environment that encourages creativity and teamwork. Through the daily challenges, students will learn design thinking techniques and employ the engineering process. Projects include a range of difficulty and duration; from the construction of a wheeled vehicle to a pneumatic device. Materials included.

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## » Session 1 Course Offerings

### **The Science in Our Stars**

Grades 7-8

*1st Session only (Available Period 1 and Period 2)*

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.

### **Drone Design & Fly**

Grades 7-10

*1st and 2nd Session (Available Period 1 and Period 2)*

*Required materials: Students are responsible for providing or purchasing their own drone. A list of acceptable drones will be emailed to registered families by May 21, 2021 and will range in price from \$100.00-\$300.00. Students will be responsible for this purchase and any costs will be in addition to the cost of the course. 'Iolani School will not provide drones nor will they provide assistance in the cost of the purchase of the required drone.*

In this introductory course, students will learn all about the design and construction of quadcopters and their recreational and commercial applications. Students will explore the physics of flight, learn about the specific components in quadcopter design and have a chance to fly a small-scale drone to get practice with flight controls. Supply list for a full-scale racing drone (parts will need to be purchased separately) will be provided for enrolled students.

### **Web Design Studio**

Grades 7-10

*1st and 2nd Session (Available Period 1 and Period 2)*

Have you ever wanted to create your own website? Did you know that designing and coding websites can be both easy and fun? Learn the basics of web design and web development in this hands-on studio course where students will build their own websites using the latest web technologies, tools, and techniques. No previous design or programming experience required. Please select session 1 or 2, not both.

### **Welcome 2 Robotics!**

Grades 6-10\*

*1st and 2nd Session (Available Period 1 and Period 2)*

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.

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*1st and 2nd Session (Available Period 1 and Period 2)*

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. Please select session 1 or 2, not both.

### **Fun with Film!**

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*1st and 2nd Session (Available Period 1 and Period 2)*

Learn to create high quality videos for school or family projects. This course introduces students to video production basics. Students develop planning, shooting, and editing skills necessary for producing videos that convey a message through their artistry. Discover your hidden talent and passion! Students are encouraged to bring their own digital recording device to class, in order to become familiar with their device and maximize its potential.

### **Just Type It!**

Grades 6-10\*

*1st and 2nd Session (Available Period 1 and Period 2)*

This course is designed for middle and high school students 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.

### **A Climate Change Witness Statement**

Grade 10

*1st and 2nd Session (Available Period 2)*

Each of us alive today has witnessed changes in our environment due to climate change. These changes are the result of complex and interconnected factors which can be difficult to understand. The October 2020 documentary by Sir David Attenborough, *A Life on Our Planet*, is a wonderful resource to help us make sense of this complexity. Through it, we gain the benefit of Attenborough's 70+ years of experience as a naturalist and hear his "climate change witness statement" In this 3-week course, students will approach the complexity of climate change via its many angles and connect planet-wide challenges to the Hawaiian Islands using the *A Life on Our Planet* film as a guide. Topics will include biodiversity, fisheries, deforestation, renewable energy, and more. In addition to studying diverse climate change content, students will build their evaluative and analytical skills. The course will culminate with students conducting a semi-structured interview of an adult member of their community and completing an analysis of the interview as a climate change witness statement using what they have learned.

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## » Session 2 Class Offerings



### ART

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### ENGLISH

#### **Written Expression**

Grades 7–8

*2nd Session only (Available Period 1 and Period 2)*

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 academic year writing program with a focus on various YA (young adult) material and texts.

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## **MATHEMATICS**

### **Some Science, Some Math**

Grades 7-8

*2nd Session only (Available Period 1 and Period 2)*

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.

## **PHYSICAL EDUCATION & SPORTS**

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## » Six-Week Course Offerings



### ART

#### **Ceramics**

Grades 9-10

*For 6 week students only (Available Period 3)*

This course is a project-based inquiry into the design of clay vessels. Students see projects through a complete cycle of development from concept sketches to fabrication, glaze application, and firing. Using wheel-throwing and hand-building techniques, students develop an understanding of design as they develop their own sculptural vocabulary in a collaborative studio atmosphere. Materials included.

### ENGLISH

#### **Write Right!**

Grade 10

*For 6 week students only (Available Period 2)*

This course provides an intensive focus on college preparatory writing, including choosing rhetorical strategies, planning and organizing analytical details, and crafting both timed and college essays. Students will write daily and use writing as a process to sharpen their skills. Textbook required.



## » Six-Week Course Offerings

### MATHEMATICS

#### **Pre-Algebra Prep**

Grades 7-8

*For 6 week students only (Available Period 1 and Period 2)*

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 7-9

*For 6 week students only (Available Period 1 and Period 2)*

*Prerequisite: Completion of Pre-Algebra*

*Textbook required: Please purchase at <http://bookstore.mbsdirect.net/iolani.htm> before start of class.*

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

#### **Algebra 1 Review**

Grades 9-10

*For 6 week students only (Available Period 1 and Period 2)*

*Prerequisite: completion of Algebra 1*

*Textbooks required: visit <http://bookstore.mbsdirect.net/iolani.htm> to purchase before classes begin.*

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.

### STUDY & LIFE SKILLS

#### **P/SAT & ACT Prep**

Grade 10

*For 6 week students only (Available Period 1 and Period 2)*

The 'Iolani test prep course focuses on the college entrance exams: PSAT, 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 unique review session before the actual examinations in the fall. The session price includes the additional fee of the two textbooks.

» Six-Week Course Offerings

**WORLD LANGUAGES**

**Conversational Japanese**

Grades 7-10

*For 6 week students only (Available Period 1)*

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.