Making Summer Count

crdg.hawaii.edu/summer

2023
June 5–July 21

College of Education
UNIVERSITY OF HAWAI'I AT MĀNOA
crdg.hawaii.edu/summer
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CALENDAR

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ABOUT CRDG SUMMER PROGRAMS

The College of Education’s CRDG Summer Programs at the University of Hawai‘i at Mānoa continues its 50 year commitment to summer education, exploration, and adventure through its internationally recognized program for students entering grades 1–12.

In a variety of courses designed for curious young minds, students are immersed in hands-on STEAM activities, like building and programming robots, designing roller coasters from recyclables, or competing to build the best catapult to explore the exciting side of learning. Art, animation, drama, and journalism courses combine fun and creativity to cultivate students’ imaginations. Field trips will take students beyond the classroom where student scientists will build research techniques at labs and natural sites or aspiring artists can meet working professionals. Inquiry-based instruction and hands-on learning in the classroom, laboratory, field, studio, and theater are the cornerstones of our program. Classes are led by qualified teachers and teacher-assistants to ensure a safe learning environment. Join us in fun-filled learning!

Dean of the College of Education  Dr. Nathan Murata

Administrative Staff

Director  Dean Lodes
Program Manager  Alycia Fujii
Program Coordinator  Jayda Elazier
Program Assistant  Sydney Carey
Marketing Coordinator  Nicole Gannet
Student Services Coordinator/Counselor  Dayna Kitamura
PROGRAM INFORMATION

• All classes meet on the University Laboratory School campus.
• Supervised areas will be available from 7:30 a.m. to 5:30 p.m.
• No classes will be held on June 12 (Kamehameha Day) or July 4 (Independence Day).

Meal Plans

Students are eligible for reduced price breakfast and lunch service through Lanakila Kitchens and the USDA’s Summer Food Service Program. Meal plans include a meal for each day of the specified program. See our website for pricing and details. Full day students who do not purchase a Lunch Meal Plan must bring lunch daily. Students will not be allowed off-campus to purchase lunch.

**Daily Breakfast (Core Programs only)**
Includes milk, fruit, and a whole grain item, such as cereal or a bagel.

**Daily Hot Lunch (Core Programs and Summer Adventures)**
Includes a hot entree, such as chili or shoyu chicken, along with a starch, vegetable, fruit, and milk. Juice and a selection of snacks will be available for Meal Plan students only.

**Food Allergies:** We can accommodate most food allergies with the submission of a doctor’s note. Lanakila Kitchens is not able to accommodate severe nut allergies as all food is prepared in a facility that handles nuts.

There will be no Daily Breakfast service during Summer Adventures.
Covid Policy

All registered families must adhere to the Summer Programs COVID-19 safety guidelines. Our policies follow the University of Hawai‘i requirements. The safety of our families is our greatest priority.

• We recommend students stay home when ill, whether with COVID-19 or not, to recover and prevent community spread. Students who display signs of illness will be isolated in our health room and parents will be called for pick-up.

• Students who test positive for COVID must follow UH Mānoa’s current requirements.

• Face masks are accepted but not required unless stated by UH Mānoa’s requirements.

• Covid vaccinations for those eligible are encouraged, but not required.

• There are no requirements for students arriving/returning from out-of-state. We encourage students to take a COVID-19 test before returning to campus, but it is not required.

• By enrolling in Summer Programs, you grant us authority to take your child’s temperature at our discretion.
REGISTRATION AND PAYMENT

Registration Schedule

Registration and full payment must be received by the deadlines to receive discounts or avoid fees.

March 19: Last day for Early Registration ($50 discount–restrictions apply*)
March 20–April 30: General Registration
April 30: Refund Deadline for Core Programs and Driver’s Education
May 1: Late Registration begins ($50 late fee)
May 21: Registration Closed for Core Programs and Driver’s Education
June 18: Refund Deadline for Summer Adventures
June 25: Registration Closed for Summer Adventures

Tuition

CORE PROGRAMS — June 5–July 7 (5 weeks)

<table>
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<tr>
<th>Program</th>
<th>Cost</th>
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<tr>
<td>Morning program</td>
<td>$800</td>
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<tr>
<td>Afternoon program</td>
<td>$770</td>
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<tr>
<td>Full-day program</td>
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<tr>
<td>Meal Plan: Breakfast</td>
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<tr>
<td>Meal Plan: Hot Lunch</td>
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SPECIAL PROGRAMS — DRIVER’S EDUCATION

Classroom Instruction — June 6–July 12 (8:30 am–11:00 am) . . . $300*

SUMMER ADVENTURES (8:00 am–3:15 pm)

<table>
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<tr>
<th>Option</th>
<th>Cost</th>
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<tbody>
<tr>
<td>Option A</td>
<td>$550</td>
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<td>Option B</td>
<td>$550</td>
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<tr>
<td>Meal Plan: Hot Lunch</td>
<td>$20 per week</td>
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AFTER-SCHOOL PROGRAM

June 6–July 22 (3:15-5:30 p.m.) . . . $120 per week

*The early registration discount does not apply to Driver’s Education.
How To Register

• Visit our website at crdg.hawaii.edu/summer to view our course listing and submit a registration.
• Submit a separate registration for each student.
• Registration is not confirmed until full payment is received.

Credit card payments, payment confirmation will be automatically emailed.
Check payments, registration will be processed once payment is received.

Program confirmations will be sent via email once your registration has been processed (this may take up to a week.) Additional information, including supply lists and the handbook, will be available in May.

Course Information & Grade Levels

• There are no prerequisites for any of our classes.
• Course offerings, times, and descriptions are subject to change. Please visit our website for the most up-to-date information.
• Listed Grade levels indicate the grade students will enter in fall.
• Grade levels are suggestions to help parents select appropriate courses. Course work will be targeted to the grades indicated, but students may sign up for any class as long as they are able to keep up with the activities and are socially prepared to be with students who are not their age.

Discounts & Promotions

Early Registration discount Register by March 19 and receive $50 off new registrations. Registration and full payment must be received by the deadline to qualify. Discount does not apply to Driver’s Education.

University of Hawai’i Employee Discount Enter your UH ID number and the discount code SP23UH to save $50 off a full-day Core Programs registration (one discount per student). This discount
cannot be combined with other group discounts.

Sibling Discount Enter the code **SP23SAVE** to receive $50 off each Core Program class for any additional children from the same household.

Closed (Full) Classes

If a course is full, you will be contacted by email and allowed to switch to any open course. If a suitable class is not available, you are eligible to receive a full refund (see Refund Policy). You may request to be waitlisted for a closed course.

Canceled Classes

A class may be canceled for any reason (low enrollment, scheduling issues, etc.). Final decisions will be made after General Registration ends. If your course is canceled, you will be contacted by email and allowed to switch to any open course. If a suitable class is not available, you are eligible to receive a full refund (see Refund Policy).

Refund Policy

Withdrawal requests received by the deadline are eligible for a refund of your paid tuition less an administrative fee of $50 (per child, per withdrawal request). No withdrawal refunds will be issued after the stated deadlines. See Registration Schedule for deadlines. Full refunds will only be given for closed or canceled courses (see Cancellations). The withdrawal deadlines do not apply to closed or canceled courses.

As a state agency, we require non-UH employees to complete a WH-1 tax form to receive a refund by check. Completed WH-1 forms must be received by the last day of Summer Programs (July 21, 2023).

**NO REFUND** will be issued if we do not confirm receipt of your WH-1 form by the last day of the program.
CORE MORNING PROGRAMS

June 5–July 7
8:00–11:45 am
Hawaii Nature Study Program: Observers

Through activities from CRDG’s Hawai’i Nature Study program, Hawai’i’s outdoor environment becomes the students’ classroom and laboratory. Students will explore the world of plants, insects, small animals, and Hawai’i’s reef and shore. Investigations into different organisms will follow their life cycles, test their responses to various stimuli, observe their different behaviors, learn what places them in different groups, and determine what foods or nutrients they require. The learning experience is enriched through the integration of art, group projects, and games. If permissible this year, field trips will explore tide pools, gardens, streams, and laboratories.

Explorations in STEM: Discovery

In this interactive class students will expand their interest in science, technology, engineering, and mathematics. Students will design, plan, and execute fun and engaging hands-on projects such as learning about states of matter through our slime experiment, exploring real world solutions to natural disasters, building a solar oven to make delicious s’mores, and more!
Summer Games: Let’s Play Sports

By incorporating active play and good sportsmanship, Summer Games fosters a healthy learning environment for young athletes. Participants will learn the fundamentals of different sports such as soccer, basketball, flag games, scooter games, and tennis (actual sports covered may vary). Students will also participate in games, activities, and challenges to improve their coordination and ability, develop their confidence, and practice teamwork. This course prioritizes safety and requires appropriate dress (shorts, t-shirts, and sport shoes, such as athletic or jogging shoes). Sunscreen recommended.

Hawaii Nature Study Program: Explorers

Through activities from CRDG’s Hawai’i Nature Study program, Hawai’i’s outdoor environment becomes the students’ classroom and laboratory. Students will explore the world of plants, insects, small animals, and Hawai’i’s reef and shore. Investigations into different organisms will follow their life cycles, test their responses to various stimuli, observe their different behaviors, learn what places them in different groups, and determine what foods or nutrients they require. The learning experience is enriched through the integration of art, group projects, and games. If permissible this year, field trips will explore tide pools, gardens, streams, and laboratories.

Students do not need to have taken previous courses to enroll.
Creative Programming with Scratch

Students will be introduced to the basics of programming through projects that explore creative arts. Using elements of design, drawing, music, and dance, students will create interactive art, stories, animations, games, and more using a programming language developed by MIT Media Lab called Scratch. This course will encourage students to imagine new possibilities of what they can do with computers, express themselves creatively with new technologies, and explore computational ideas through personally meaningful projects, all while learning valuable computer programming concepts.

STEM Workshop: Science Olympics

In this hands-on class, students will exercise their creative minds, strengthen their engineering and communication skills, and apply STEM knowledge to real world applications. Students will be divided into teams to prepare for events related to scientific processes and thinking skills, science content knowledge, and application of science and technology. Teams will work together to solve a problem (egg drop, music makers, gummy bear catapult), or construct vehicles (planes, boats, cars) or structures (towers, bridges, etc.). At the end of each exploration phase, teams will compete to see who performs best in the challenges!
Exploration in Mixed Media: Creator Space Advanced

Creator Space Advanced is geared towards students who enjoy creating art by hand. This studio class builds on pre-existing student knowledge and is collaborative and project-driven. Individual pieces will be inspired by weekly prompts and demonstrations where we will use a variety of techniques and materials. This studio environment is designed to support and inspire our artists.

Hawaii Nature Study Program: Researchers

Through activities from CRDG’s Hawai‘i Nature Study program, Hawai‘i’s outdoor environment becomes the students’ classroom and laboratory. Students will explore the world of plants, insects, small animals, and Hawai‘i’s reef and shore. Investigations into different organisms will follow their life cycles, test their responses to various stimuli, observe their different behaviors, learn what places them in different groups, and determine what foods or nutrients they require. The learning experience is enriched through the integration of art, group projects and games. If permissible this year, field trips will explore tide pools, gardens, streams, and laboratories. 

Students do not need to have taken previous courses to enroll.
Drama: Just Act – Acting Gym

Build your acting “muscles” in this acting gym! We welcome students of all abilities to practice the fundamentals of performing on stage and on film, including how to audition for roles. Emphasis will be placed on how to hold a script during a cold read, how to memorize lines and perform naturally in a prepared scene, and how to release oneself from inhibitions through improvisational exercises. In particular, students will learn how to integrate the three forms of acting: acting with one’s dialogue, acting with one’s facial expressions, and acting with one’s body, all while having fun! As students gain performance experience, they will also gain confidence in their speaking and presentation abilities. At the culmination of the course, students will present a production for staff, faculty, fellow students, family, and friends.

Little Journalists

Experience what it’s like to be a working journalist in this collaborative, hands-on course. Students will develop critical research skills by conducting interviews, gathering information, and examining a wide range of sources. Over the course of the program, they will become young journalists—writing articles and captions, capturing interesting and informative photographs, creating layouts, and, most importantly, meeting deadlines. Using all of their newly acquired skills, students will produce a weekly digital newsletter for distribution to every Summer Programs family and teacher.
June 5–July 7 12:30 pm–3:15 pm

CORE AFTERNOON PROGRAMS
**Introduction to Robotics with Lego® WeDo**

The Lego® Education WeDo 2.0 system is designed to provide young students a simple introduction to robotics and mechanical design. This course uses Lego® WeDo to allow students to explore and develop science, technology, engineering, and math, as well as language arts and social studies skills through project-based activities. Working in teams, students will use these skills to design, create, and program moving models, all while enhancing their creative and problem-solving abilities.

**Exploration in Mixed Media: Creator Space**

Creator space is a mixed media studio art class where we will explore and learn about different art elements and techniques with an emphasis on using recycled materials. Each week, we will create original art pieces built around a theme or concept. At the end of their five weeks, our young artists will have a basic understanding of the different elements of design (line, shape, color, size/scale, texture, composition, and hierarchy) and how to apply them.
STEM Workshop: Journey to the Stars NEW

Our young astronaut recruits will have a blast this summer on this wild adventure through space. After learning what it means to be an astronaut, students will leave the Earth behind and head to the stars. Through creative hands-on projects and group activities, we will view life on a space station, learn about lunar landings, investigate other planets, and study the stars. Join us on an adventure that is out of this world!

IMPORTANT: Please notify the office of any food sensitivities or dietary restrictions, as sampling food may be an optional part of this program.
Drama: Summer Stars on Stage

In this fun, introductory drama course, students experience the confidence- and team-building processes of creating and staging a scripted play. Students explore some singing and dancing, but the main emphasis is on the joy and excitement of acting on stage and performing for a live audience. Students will cultivate creativity through simple theatre games and improvisation, audition for roles, learn stage directions and theatrical performance techniques, hone characterizations and character relations, and utilize concentration and focus in rehearsals. Students may also help design/create props and costumes for use in the show. At the culmination of the program, students will present a polished evening performance for staff, faculty, fellow students, family, and friends.

Story Art, Smart Art, Let’s Get ARTed

Want to become a better writer or artist? Why not both? In this course, students will develop their writing and art skills. Students will create, explore, and write, with their imaginative minds to create grade-level writing pieces that promote healthy expression and creativity. We will use art mediums such as markers, color pencils, and watercolors to illustrate our very own writing pieces. Let your imagination take you to another world... the world of ART!
Minecraft®: A Virtual Learning Adventure

GR 4–7

Minecraft® is one of the most popular open-world video games, providing limitless opportunity to build, discover, and problem-solve. In this interactive course, students will participate in a virtual learning adventure within the Minecraft® environment. Students will approach gameplay from a new angle, working in collaborative groups to tackle projects and learning how to think critically about their own work. Students will create themes and storylines and meet their assigned objectives. More experienced players will be encouraged to delve deeper into game design and development, modding, and level design.

Robotics with Lego® EV3

GR 4–6

Students will learn to become programmers and engineers by using the Lego Mindstorms® EV3 2.0 system to design, build, and program sensing and moving robots. By working in groups, students develop their skills in teamwork, communication, and logic to devise creative solutions to assigned challenges.

No previous robotics experience is required.
CORE AFTERNOON PROGRAMS

Science Lab: Undersea Explorers NEW GR 7–10
In this exciting underwater adventure, students will dive deep into our oceans, investigating the variety of animals found there through hands-on projects, activities, and field trips to locations like the Waikiki Aquarium. Our student marine biologists will get their feet wet by exploring the life found within the ocean’s coast to the continental shelf, such as how different seabirds and crabs are unique to their environment. Moving deeper to the sunlight zone, students will learn how marine biologists measure giant mammals such as whales and discover how dolphins communicate through echolocation. We will end our journey deep in the ocean’s depths and discover the unique creatures that live within the ocean’s dark trenches.

Robotics with VEX GR 7–10
Using the power of the VEX Robotics® as a base, students will design and build their own moving robots to complete a set of goals and compete head to head with other students in friendly competitions. Students will learn about engineering and engineering problem solving in an engaging, hands-on manner that will motivate and inspire them to complete each project. This class is suitable for all students with varying learning styles and levels.

No previous robotics experience is required.
June 5–7 (M–W), 13–15 (T–Th), 20–22 (T–Th), July 10–12 (M–W) 8:00–11:00 am
Driver’s Education: Classroom Instruction

Emphasizing the techniques of defensive driving, this course equips students with the skills necessary to be a safe and sensible driver. By creating a “Skills Project Book,” students take a proactive role in learning the rules of the road, thereby aiding their development as young drivers.

Students must attend every class session to be certified. This course covers only the thirty hours of classroom instruction required by state law. Students must also complete six hours of behind-the-wheel instruction separately to meet the state teen driving requirements. During class, the instructor will discuss how students can sign up for one-on-one behind-the-wheel instruction.

We recommend that students be at least 15½ years old by the start of the class. Students do not need their driving permit to enroll in this course.
SUMMER ADVENTURES

Session A  July 10–14  8:00 am–3:15 pm
Session B  July 17–21  8:00 am–3:15 pm
Students do not need previous experience (swimming) to participate.

Students who do not purchase a Lunch Meal Plan must bring lunch daily. Students will not be allowed off-campus to purchase lunch. Breakfast service is not available for Summer Adventures.

Maximum enrollment: 14 students per session

**Seekers**

Students will engage in weekly field trips and daily physical education, art projects, science experiments, and other activities focused around a central weekly theme. Through project-based learning, students will apply critical thinking, problem-solving, teamwork, and self-management skills to solve real-world scenarios.*

**Session A: Our Ocean Friends** Let’s have fun learning all about marine life and underwater creatures—from the largest to the fastest animals in the ocean. We’ll also take a trip to the Waikiki Aquarium, home to an abundance of sea animals.

**Session B: From Seed to Table** Growing our own fruits and vegetables is so important. All we need is soil, seeds, water, and a place to begin planting. Before planting our own crops, we will learn how a seed is able to sprout. Keiki and Plow in Hawaii Kai will offer us a fun hands-on experience where we will learn about farming and harvest our own produce.

**Junior Challengers NEW**

This course is designed to physically challenge students in a variety of environments and activities. Students will participate in team games and challenges, explore scenic hiking trails, read and follow a map, practice teamwork and sportsmanship, and more.*

**Session A & B** schedule will be available in May
Students will be part of a structured learning experience around a weekly theme. Hands-on activities will explore science, art, and engineering concepts. We plan to take one or two field trips to further explore our theme. Cool off from the summer heat every Friday with water play days!

**Session A: The Energy Around Us** will explore different forces and types of energy in our dynamic world through exciting projects like bottle rockets, Oobleck egg drops, and solar oven s’mores, as well as engaging field trips to places like the UH lo’i and Hanauma Bay.*

**Session B: On the Move: Over Land, Sea, and Sky** will transport students on a vehicular adventure where they create pool noodle periscopes, a magnetic compass, clothespin airplanes, and more. Field trips to places like the Mighty Mo and USS Bowfin will carry them beyond the classroom.*

This course is designed to physically challenge students in a variety of environments and activities. Experience many of the natural hidden treasures on and around our island through a variety of vigorous physical activities and adventures. Students will explore scenic hiking trails and caves, slide down cascading waterfalls, learn to navigate with a compass, read and follow a map, and more. Students will also learn water safety skills through fun swimming, snorkeling, paddling, and diving activities.*

**Session A & B** schedule will be available in May

**Innovators**

Students will be part of a structured learning experience around a weekly focus area. We will start by learning the necessary skills and techniques. Guest speakers and field trips will enhance our learning. By the end of the week, we will complete a final project to showcase our new skills.

**Session A: Animate That!** will guide students in conceptualizing, creating, and presenting various art and animation projects. They will learn the basics of different art skills and work, and create their own. The week will culminate in individual presentations of their favorite animation projects.

**Session B: Mini Marketplace** will guide students in conceptualizing, creating, marketing, and selling their own product. They will learn the basics of economics and how to keep track of their expenses and profits. The week will culminate in a mini-market where students will sell their products to the other Summer Programs students.

*Field trip locations are tentative.
AFTER SCHOOL PROGRAM

Weekly from June 5–July 21
3:15–5:30 pm

After-School Program

CRDG Summer Programs offers an after-school program for students who are enrolled in our full-day and afternoon classes.

Our after-school program engages students in a variety of fun and educational activities—outdoor competitions, indoor games, movie days, cooking, science activities, crafts, and more—all in a safe and supervised environment. Students should bring their own snacks.

IMPORTANT: Please notify the office of any food sensitivities or dietary restrictions, as sampling food may be an optional part of this program.

The program has no registration limit.
CRDG Summer Programs 2023
(on the University Laboratory School campus)

June 5–July 21, 2023

University of Hawai‘i at Mānoa
Curriculum Research & Development Group
1776 University Avenue, CMA 101
Honolulu, HI 96822

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Email: crdgsum@hawaii.edu
Website: crdg.hawaii.edu/summer

3.21.2023