



University of Hawai'i at Mānoa, College of Education

# SUMMER PROGRAMS 2012

June 4–July 6



[www.hawaii.edu/crdg/sections/summer/](http://www.hawaii.edu/crdg/sections/summer/)

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## **Administrative Staff**

Interim Director, CRDG _____	Kathleen Berg
Program Manager _____	Marcus S. Pottenger
Program Administrator _____	Jeanine Lewis

## **ABOUT CRDG SUMMER PROGRAMS 2012**

The Curriculum Research & Development Group (CRDG) Summer Programs at the University of Hawai'i at Mānoa continues its commitment of over forty years of summer enrichment learning and exploration. Students entering grades 3–12 discover what it takes to be scientists conducting research in the laboratory and field; engineers designing and building solutions to real world problems; conservationists working to protect the natural resources of the 'āina; and playwrights and actors writing, producing, and starring in an original production.

Inquiry-based instruction and hands-on learning in the classroom, laboratory, field, and theater are the cornerstones for all of our courses. Classes are led by a highly qualified staff of teachers and teacher-assistants to insure a safe learning environment where students are able to immerse themselves in their work and come to their own "A-HA!" moments.

- Classes begin on June 4 and end on July 6.
- Half-day programs: 8:00 a.m.–11:45 a.m. or 12:30 p.m.–3:15 p.m.
- Full-day programs: 8:00 a.m.–3:15 p.m.
- After-school program: 3:15 p.m.–5:30 p.m.
- Supervised areas before school, during lunch and recess, and immediately after school insure safe learning and play.
- All students must provide their own snacks and lunch. No lunch program is offered.

# REGISTRATION AND PAYMENT

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## GENERAL INFORMATION

All classes meet at the University Laboratory School. No classes will be held on June 11 (Kamehameha Day) or July 4 (Independence Day).

Registration, which continues until classes are filled, is first-come, first-served. You may register by mail or in person, but not by phone, email, fax, or online. A non-refundable deposit of \$100 or payment of the full fee must accompany each application. Applicants will receive e-mail notification confirming registration and stating any balance due. Applicants who fail to make full payment by April 20 will forfeit their reservation to applicants on course waiting lists.

Any course may be cancelled due to insufficient enrollment. Courses have a maximum enrollment of 25 students, unless otherwise noted, and may close if full.

Students who register for a full day program will receive preference for afternoon course registration through March 23, 2012.

## TO REGISTER

- Complete the application and emergency information form.
- Write a check payable to THE RESEARCH CORPORATION OF THE UNIVERSITY OF HAWAII for either the full payment or the \$100 deposit. Include a separate check for each application.
- Mail the completed form and check to

University of Hawai'i at Mānoa  
Curriculum Research & Development Group  
Summer Programs  
1776 University Avenue, CM-116  
Honolulu, HI 96822

**We welcome calls at (808) 956-8176 and visits to the office in UHS Building 3, Room 137.**

# REGISTRATION AND PAYMENT

## TUITION

### JUNE 4–JULY 6 (5-WEEKS)

**Half-day program** (either morning or afternoon) \_\_\_\_\_ **\$575**

**Full-day program** (8:00 a.m.–3:15 p.m.) \_\_\_\_\_ **\$1150**

### SPECIAL PROGRAMS (DATES VARY)

**Driver's Education** (8:30 a.m.–12:00 p.m.) June 12–22 \_\_\_\_\_ **\$425**

**Summer Fun** May 21–June 1 \_\_\_\_\_ **\$180**

**Option A**, May 1–25, **Option B**, May 29–June 1

**Summer Adventure** (8:30 a.m.–3:15 p.m.) July 9–27 \_\_\_\_\_ **\$180**

**Option A**, July 9–13, **Option B**, July 16–20, **Option C**, July 23–27

**After-school program** (3:15–5:30 p.m.) \_\_\_\_\_ **\$35 per week**

## REFUNDS AND WITHDRAWALS

- Students who withdraw after May 6 will be charged a \$25 administrative fee in addition to the non-refundable deposit. NO REFUNDS WILL BE GIVEN ONCE THE PROGRAM STARTS ON JUNE 4, 2012.
- Returned checks are assessed a \$15.00 returned check fee and a hold is placed on your registration. Interest on the \$15.00 returned check charge is assessed at the rate of 10¢ per month or fraction of a month. Interest is assessed from the first calendar day after the date of notification from the bank at which the check has been dishonored to the date paid. A stop payment on a check is regarded as a returned check. If full payment has not been made within ten days, the registration may be cancelled.
- Students enrolled in courses/sections cancelled due to low enrollment will be contacted in an effort to place the student in an alternate course/section. If the student cannot be accommodated, a full refund will be awarded.

	M	T	W	TH	F
MAY	<b>Summer Fun</b>				
	21	22	23	24	25
	<b>Summer Fun</b>				
	Holiday 28	29	30	31	1
JUNE	<b>CORE SESSION</b>				
	4	5	6	7	8
	<b>CORE SESSION</b>				
	Holiday 11	12	13	14	15
	<b>CORE SESSION</b>				
	18	19	20	21	22
	<b>CORE SESSION</b>				
	25	26	27	28	29
JULY	<b>CORE SESSION</b>				
	2	3 Holiday	4	5	6
	<b>Summer Adventure, Option A</b>				
		10	11	12	13
	<b>Summer Adventure, Option B</b>				
	16	17	18	19	20
<b>Summer Adventure, Option C</b>					
23	24	25	26	27	

8:00 A.M.–11:45 A.M.  
**MORNING PROGRAMS**

**Life / Ola**

**Grade 3**

Students will identify and observe various plants and animals that make up our local environments. They will learn about the interconnections between plants and animals in these environments. Explorations may look at how life got to Hawai'i; how life adapts to the environment and to sharing that environment; and how we humans interact with the plants and animals around us.



**Water / Wai**

**Grade 4**

Students will focus on the rhythms and life of freshwater and saltwater environments in and around our island home. They identify unique interconnections between physical conditions and life forms found at mountain streams, sandy beaches, rocky tidal zones, and the ocean. Students will investigate Hawai'i's unique water cycle.

**Air / Lewa**

**Grade 5**

Students will explore Hawai'i's brilliant sky and tropical atmosphere. Studying the interconnections between life in the islands and the airways above them, students will investigate the challenges of traveling through the air. Using the techniques of both ancient explorers and modern researches, students track weather systems and learn their effects on humans and nature. Students will examine the various ways humans can harness a sustainable source of energy for the future.

8:00 A.M.–11:45 A.M.

## **MORNING PROGRAMS**

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### **Earth / 'Āina**

**Grade 6**

Students will explore Hawai'i's formation and development from a geological point of view. The class will investigate various weathering and erosion patterns during their many fun-filled field experiences. Students will search for ways to maintain a sustainable relationship with our unique island environment and the challenges it poses. The interconnectedness of humans and the land will be a driving force of inquiry during the summer.

### **Mountain/Ocean / Mauka/Makai**

**Grades 7–8**

The mauka/makai experience is a two-year, cumulative investigation of the Hawaiian Islands as a whole. Students will have the opportunity to take past knowledge and synthesize it into a better understanding of the world around us.

Summer 2012

During the Mauka summer, students will explore the geo-evolution of our islands, discover the common inhabitants of our terrestrial world, conduct a fresh water stream study, and investigate the past and present use of our islands.

Summer 2013

Within the Makai scope of the program, students will enjoy a summer filled with the exploration of our near shore environment. Studies will include animal life, ancient and modern collection and use, and understanding the shore dynamic.

Students are not required to participate in both years, but doing so will complete the experience.

### **Drama**

**Grades 5–7**

In this two-part program, students will become both playwrights and actors, experiencing the production of a play from the development and creation of an original script to the performance of that script in front of a live audience. Using the Golden Triangle of CRDG's Performance English program, students come to understand the scriptwriting process by learning how to develop ideas, write dialogue, and describe sensory details. They explore creative movement, pantomime, and improvisational skills that culminate in an end-of-summer show for family and friends.

8:00 A.M.–11:45 A.M.  
**MORNING PROGRAMS**

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## **GooglePalooza!**

**Grades 7–9**

Using cutting edge online resources, students conduct virtual and real-world explorations. GooglePalooza adventurers will “hang out” with students from other countries, create animations, go on a cross-country scavenger hunt, explore outer space, and much, much more! Each participant will have the use of a Google Chromebook on loan from CRDG Summer Programs in order to explore the vast library of fun and educational Google apps. Activities will push the boundaries of 21st century creativity, collaboration, problem solving, and entrepreneurship.

## **Jewelry Making**

**Grades 9–12**

As they create their own wearable art pieces, students will learn basic jewelry making techniques. Wire wrapping, beading, chain linking, and connecting findings provide the foundation for this fun and creative experience. Students are exposed to a variety of bead making techniques and to the utilization of upcycled and found materials. In the supportive studio environment, students apply critical thinking skills to creatively personalize and refine their work.

## **Driver’s Education (8:30 a.m.–12:00 p.m.)**

**Grades 10–12**

June 12–22, 2012

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. This course provides the thirty hours of classroom instruction and six hours of behind-the-wheel instruction required by state law. Driving time will occur outside of class time and will be scheduled on an individual basis with the instructor. Students must be at least 15 1/2 years old to enroll.

The instructor will lead an optional parent information night on Wednesday, June 24. Topics to be discussed may include changes to the state laws, the new provisional license phase, and tips for driving with instructional permit holders.

Optional Parent Night

June 14, 2012

6:00 p.m.–7:30 p.m.

Driver’s Education classroom

12:30 P.M.–3:15 P.M.

## **AFTERNOON PROGRAMS**

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### **Graphics and Design**

**Grade 3**

Students will discover the elements of graphics and design through investigations of the natural world, art and animation, and the various forms of media. They will use computers to create logos, stories, and illustrations, emphasizing the creative process and key concepts of the visual arts.

### **Robotics I**

**Grade 4**

Using Legos™ to explore the fundamentals of physical science and mechanical engineering, students will design and build vehicles and devices that are used in various team challenges. When combined with the Lego™ computer software, students program and transform their creations into working robots that are automated to perform specific tasks.

### **Enjoy Japanese!**

**Grades 4–6**

Students will learn basic conversational skills while exploring Japanese culture by playing games, singing songs, learning dances, and tasting authentic Japanese cuisine. Activities will introduce students to reading and writing Hiragana characters and let them begin to communicate in situations they might encounter in daily Japanese life.

### **Beginning Acting**

**Grades 4–6**

Explore Acting! In this beginning acting class students will be introduced to activities such as creative movement, pantomime, improvisation, and scene work and will put all this to use in creating a simple production. Students should be prepared to "PLAY" and have a lot of fun expressing themselves dramatically!

### **Robotics II**

**Grade 5**

As programmers and engineers, students will use the Lego NXT™ systems to design and program sensing and moving robots. By working in teams, students develop their skills in communication and logic to devise solutions to various challenges. Students do not need to have previously taken Robotics I to enroll.

# AFTERNOON PROGRAMS

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## Digital Media: Beginning Animation Studio

**Grades 6–8**

Learn the secrets of animation in this hands-on, digital media class. In our animation studio, students will become storytellers and animators as they learn the fundamental principles used by the creators of your favorite animated films such as Wall-E, Shrek, Finding Nemo, and the Disney classics. In this program, we'll learn photography, storytelling techniques, and several different types of animation. We'll compile our projects in the computer to create our own HD movies, complete with music, dialogue, and sound effects. If you're interested in learning animation and you like telling stories, then this is the class is for you.

## Advanced Robotics

**Grades 7–9**

In advanced robotics students will become programmers of interactive robotic devices that they create from the ground up. Utilizing the power of the Lego Mindstorm NXT and Vex robotic systems as a base, students advance their knowledge and skills of engineering, fabrication, programming, and problem solving in a team-oriented environment to construct unique intelligent bots that complete increasingly difficult challenges. Students learn to use computer-assisted lathes and shop tools to fabricate structural and integrated components. Out of the box thinking is required! No previous advanced robotics experience is required.

## Ceramic Animal Sculpture

**Grades 7–8**

Within a supportive studio environment, students will gain understanding of the art and science of creating their own ceramic sculptures. Students apply engineering and physical chemistry principles through out the creative process. In studio, students learn the safe use of tools, equipment, and materials as well as multiple construction, glazing, and firing techniques. Respect, tolerance, support, and caring for both individuals in the class and for their work are hallmarks for this classroom community where diversity and originality are prized. Students from beginners to advanced are welcome.

## A Summer with Galileo and Newton

**Grades 9–12**

Spend your summer in the laboratory and on balconies searching for explanations of how the universe works! Through twenty-four experiments, some analog and some digital, students construct the laws and principles that are the foundations of modern physics and technology. The culminating event will put all of these newfound skills together in order to create a Rube Goldberg machine designed to carry out a practical task. This class is designed for aspiring engineers, scientists, and philosophers.

# SPECIAL PROGRAMS

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## Summer Fun

### Fit, Fun & Fantastic Action Camp

May 21–June 1

Through active participation in numerous fitness activities (bike riding, hiking, field games, and much more), students build and maintain healthy fitness habits. They explore nutritional and exercise choices that support a healthy lifestyle. Under the direction of a certified fitness trainer, students work at a comfortable pace while learning safety and skill development. Students learn to measure and compare personal fitness and body composition performance results. This class concludes with a mini-triathlon (swim, bike, and run) for students and their families who want to join in as participants or cheering spectators. Positive team approaches are used to encourage fun, safety, and skill development that support the enjoyment of healthy life-long habits for all!



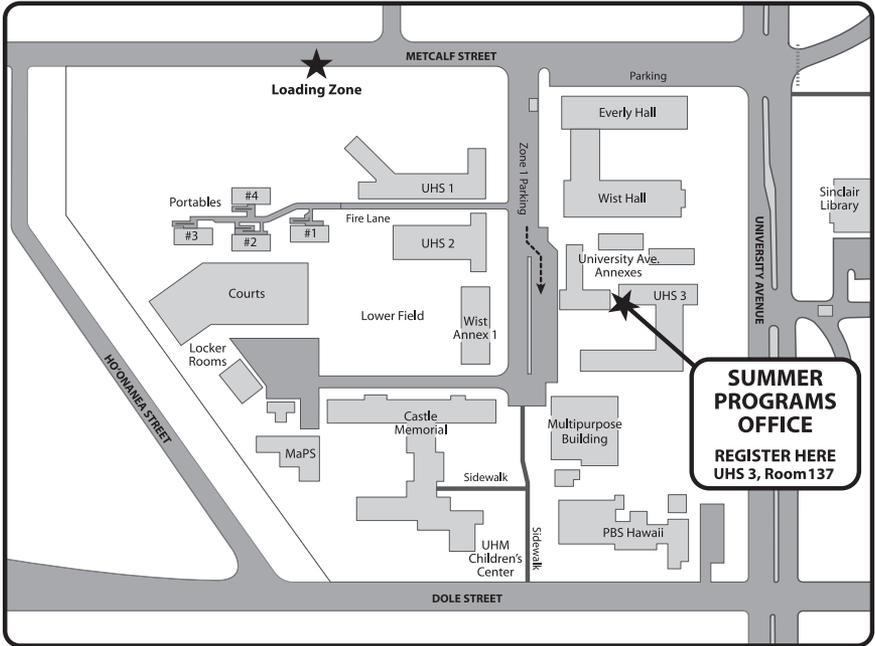
## After-School Program

As a service to working parents, CRDG Summer Programs offers an after-school program from 3:15 to 5:30 for kids who are attending CRDG Summer Programs. The program includes a variety of activities—outdoor sports, indoor games, videos, reading, crafts, and cooking. Students should bring their own snacks.

## Summer Adventure Program

Summer Adventure is an additional program to provide daily activities in a secure environment for children in grades 3–7. Students will meet from 8:00 a.m. to 3:15 p.m. and participate in team building exercises and games, learn different arts and crafts, and explore their island habitat on a once-a-week excursion. Students should bring their own snacks and lunches. The program is limited to thirty students per session.

# CAMPUS MAP



## CRDG Summer Programs 2012 at the University Laboratory School

**June 4–July 6, 2012**

University of Hawai'i at Mānoa  
Curriculum Research & Development Group  
1776 University Avenue, UHS 3-137  
Honolulu, HI 96822

**Phone** (808) 956–8176

**Website** [www.hawaii.edu/crdg/sections/summer/](http://www.hawaii.edu/crdg/sections/summer/)



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