About CRDG Summer Programs 2013

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 ‘aina; 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.

- Program begins on June 3 with 1 week of Summer Adventure Option A
- Core Program classes begin June 10–July 12
- Summer Adventure Option B & C July 15–26
- Half-day programs: 8:00 a.m.–11:45 a.m. or 12:30 p.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

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 on a first-come, first-served basis. 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 22 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 22, 2013

TO REGISTER

• Complete the application and emergency information form.
• Write a check payable to THE RESEARCH CORPORATION FOR 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
REGISTRATION AND PAYMENT

TUITION

JUNE 10 – JULY 12 (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 10–21 $425

**Summer Adventure** (8:30 a.m.–3:15 p.m.) $180 per week

  - Option A, June 3–7 (Before Core Program)
  - Option B, July 15–19
  - Option C, July 22–26

**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 3, 2013.
- 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.

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Life / Ola

Grade 3

Students 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 include how did life get to Hawai‘i; how does life adapt to the environment and to sharing that environment; and how do we, humans, interact with the plants and animals around us.

Water / Wai

Grade 4

Students 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.
8:00 A.M.–11:45 A.M.

MORNING PROGRAMS

Air / Lewa

Students 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 researchers, 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.

Drama

In this two-part program, students 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.
Earth / ʻĀina  

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. In 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.

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

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.
Driver’s Education (8:30 a.m.–12:00 p.m.) Grades 10–12
June 10–21, 2013

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 12, 2013
6:00 p.m.–7:00 p.m.
Driver’s Education classroom
Graphics and Design  Grade 3

Students discover the elements of graphics and design through investigations of the natural world, art and animation, and the various forms of media. They 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 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.
12:30 P.M.–3:15 P.M.

AFTERNOON PROGRAMS

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 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 of 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

As programmers and engineers, students 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.

Digital Media: Beginning Animation Studio

Learn the secrets of animation in this hands-on, digital media class! In our animation studio, students will become storytellers and animators as we learn the fundamental principles used by the creators of your favorite animated films such as Wall-E, Shrek, Finding Nemo and all 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.
10:30 P.M.–3:15 P.M.

AFTERNOON PROGRAMS

Advanced Robotics

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

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 throughout 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.
GooglePalooza!

Using cutting edge online resources, students conduct virtual and real-world explorations. GooglePalooza adventurers “hangout” 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.

A Modeling Approach to Algebra

What mathematics is there in the game of billiards? How can you figure out someone’s height by knowing the length of his or her femur (thigh bone)? What is the best price to ask for a used car you are selling? The answers to these questions all involve algebra. In A Modeling Approach to Algebra, a dynamic lab-type math course for students entering ninth grade, students will conduct mathematical investigations and solve problems that help build understanding of algebraic ideas and techniques and of how algebra is useful in our everyday lives. Investigations will involve practical and interesting questions that may be either applied or drawn from pure mathematics. Students will use modeling to interpret problem situations; understand the goals of a problem; represent, test, and revise various approaches to solving the problem; and report on results.
SPECIAL PROGRAMS

After-School Program

As a service to working parents, CRDG Summer Programs offers an after-school program with 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 who are participating in Summer Programs 2013. Students will meet from 8:00 a.m. to 3:15 p.m. and participate in team building exercises and games, and explore our island habitat on a once-a-week excursion. Students should bring their own snacks and lunches. The program is limited to thirty-five students per session.
CRDG Summer Programs 2013
at the University Laboratory School

June 3–July 26, 2013

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/