

**Curriculum Research & Development Group**  
PROFESSIONAL DEVELOPMENT FOR TEACHERS

**Inquiry Science for Middle School:  
FAST**

*FAST* students do real science at a level appropriate for grades 6 to 10. *FAST* is made up of three courses: *FAST 1*, The Local Environment; *FAST 2*, Matter and Energy in the Biosphere; and *FAST 3*, Change Over Time. Content in each course is organized into three strands that reflect the recommendations of the National Science Teachers Association (NSTA) for integrating the sciences: physical science, ecology, and relational study. Teachers learn ways they can assist their students develop thinking skills, laboratory skills, and a working knowledge of the foundational concepts of science.

Course fee includes one copy of the *FAST* Teacher Set, workshop supplies, and handouts of current research on teaching, learning, and standards (over \$225–\$250 value).

**FAST 1: THE LOCAL ENVIRONMENT**

Dates/Times: June 16–20, 2008, 8:00 a.m.–3:00 p.m.  
Location: UH Mānoa, University Laboratory School, UHS 1, Room 112  
Cost: \$375 course fee for Hawai'i teachers (in-state rate)  
\$630 course fee for out-of-state participants  
Credits: 2 UH credits (requires an additional credit registration fee)

**FAST 2: MATTER AND ENERGY IN THE BIOSPHERE**

Dates/Times: June 23–July 3, 2008, 8:00 a.m.–3:00 p.m.  
Location: UH Mānoa, University Laboratory School, UHS 1, Room 112  
Cost: \$475 course fee for Hawai'i teachers (in-state rate)  
\$840 course fee for out-of-state participants  
Credits: 3 UH credits (requires an additional credit registration fee)

Campus housing is available for off-island participants. Contact us for details.

For more information or to register for this course, visit [www.hawaii.edu/crdg/prodev](http://www.hawaii.edu/crdg/prodev) or contact us.

University of Hawai'i at Mānoa, College of Education



providing quality educational programs  
& services for preschool through grade 12

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### **Inquiry Science for Elementary: *DASH***

Developmental Approaches in Science, Health, and Technology (DASH) is a sequential, inquiry-based program for grades K to 6 that integrates the areas of science, health, and technology. DASH reaches a broad spectrum of learners through hands-on activities that are aligned with HCPS III and use a variety of teaching and assessment strategies.

Course includes a complete grade-level DASH Teacher Guide, Blackline Masters, and Instructional Guide (over \$420 value).

**FREE** to Hawai'i teachers. Course fee paid by STEM grant funding.

Stipends will be provided to Hawai'i teachers who complete this course.

#### **DASH FOR GRADE K**

**Dates/Times:** July 7–11, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** FREE for Hawai'i Teachers! (Course fee paid by grant)  
\$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

#### **DASH FOR GRADE 1**

**Dates/Times:** July 7–11, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** FREE for Hawai'i Teachers! (Course fee paid by grant)  
\$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

#### **DASH FOR GRADE 2**

**Dates/Times:** July 14–18, 2008, 8:30 a.m.–3:00 p.m.  
**Location:** Navy Hale Keiki School, Salt Lake  
**Cost:** FREE for Hawai'i Teachers! (Course fee paid by grant)  
\$630 course fee for out-of-state participants  
**Credits:** 3 PDERI credits available to HI DOE teachers.

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**Inquiry Science for High School:  
FELO (Marine Science)**

Earth is a planet of water. The Fluid Earth and The Living Ocean (FELO) capture the human fascination with the ocean in a rigorous, one-year, multidisciplinary science course that integrates biology, physics, chemistry, meteorology, geology, cartography, oceanography, marine-related technology, and ecology. The program, which focuses on developing students' scientific skills, is appropriate for students of all abilities in grades 9 to 12.

**THE FLUID EARTH AND THE LIVING OCEAN**

**Dates/Times:** June 23–27, 2008, 8:30 a.m.–3:30 p.m.

**Location:** UH Mānoa, University Laboratory School

**Cost:** \$375 course fee for Hawai'i teachers (in-state rate)  
\$630 course fee for out-of-state participants

**Credits:** 2 UH credits (requires an additional credit registration fee)

Campus housing is available for off-island participants. Contact us for details.

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## PROFESSIONAL DEVELOPMENT FOR TEACHERS

### Meeting HCPS III Science Standards

This new series of courses for elementary teachers is designed to address the Hawai'i Science Content and Performance Standards, HCPS III, and to follow the grade level Benchmark Maps. Hawai'i science teachers face many changes with the mandate to use the HCPS III standards in instructional planning and the No Child Left Behind requirement that grade 5 and 7 students take the Hawai'i science assessment tests. This course will prepare teachers to teach science activities that will enable them to 1) use instructional and assessment strategies aligned to HCPS III, 2) have the knowledge and confidence to deliver the required science and technology content, and 3) develop an excitement and enthusiasm for teaching science at the elementary level.

**FREE to Hawai'i teachers. Course fee paid by STEM grant funding.**

**Stipends will be provided to Hawai'i teachers who complete this course.**

#### Meeting HCPS III Science Standards, Grade 3

Dates/Times: June 30–July 3, 2008, 8:30 a.m.–3:00 p.m.  
Location: UH Mānoa, University Laboratory School  
Cost: **FREE** for Hawai'i Teachers! (Course fee paid by grant)  
Credits: 3 PDERI credits available to HI DOE teachers.

#### Meeting HCPS III Science Standards, Grade 4

Dates/Times: June 23–26, 2008, 8:30 a.m.–3:00 p.m.  
Location: UH Mānoa, University Laboratory School  
Cost: **FREE** for Hawai'i Teachers! (Course fee paid by grant)  
Credits: 3 PDERI credits available to HI DOE teachers.

#### Meeting HCPS III Science Standards, Grade 5

Dates/Times: June 16–19, 2008, 8:30 a.m.–3:00 p.m.  
Location: UH Mānoa, University Laboratory School  
Cost: **FREE** for Hawai'i Teachers! (Course fee paid by grant)  
Credits: 3 PDERI credits available to HI DOE teachers.

#### Meeting HCPS III Science Standards, Grade 6

Dates/Times: July 14–17, 2008, 8:00 a.m.–3:30 p.m.  
Location: UH Mānoa, University Laboratory School  
Cost: **FREE** for Hawai'i Teachers! (Course fee paid by grant)  
Credits: 3 PDERI credits available to HI DOE teachers.

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