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Journey through the Universe

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February 1-8, 2008

Journey Week: February 1-8, 2008

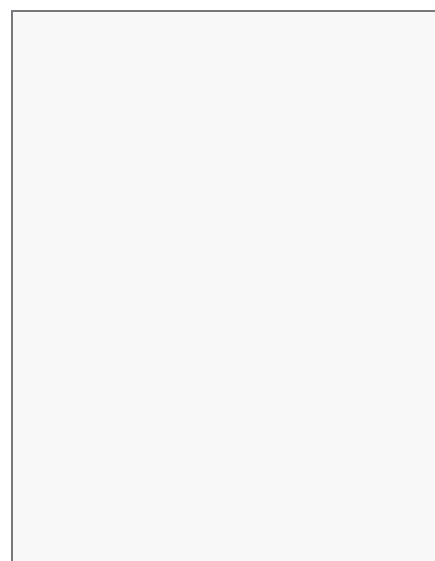
- Master Teacher Workshop: 8am - 12pm Friday February 1, 2008 at 'Imiloa Astronomy Education Center
- K-12 Educator Workshop: 8am - 12pm Saturday February 2, 2008 at 'Imiloa Astronomy Education Center
- Astronomer Workshop: 10am - 12pm Sunday February 3, 2008 at 'Imiloa Astronomy Education Center
- Classroom Visits: Monday - Friday February 4-8, 2008
- Chamber of Commerce Social: 5pm - 7pm Tuesday February 5, 2008 at Hilo Yacht Club
- Family Science Night at 'Imiloa Astronomy Education Center 4-8pm, ticketed event: Wednesday February 6, 2008
- Appreciation/Thank You Potluck: Thursday February 7, 2008 at DOE complex
- AstroTalk by Kevin Grazier: Friday February 8, UHH

The National Science Team

- [Dr. Tim Slater](#), University of Arizona
- [Dr. Kevin Grazier](#), NASA, Jet Propulsion Laboratory
- [Kevin M. Caruso](#), Imageriverse Educational Consortium

The Local Science Team

- Colin Aspin, Institute for Astronomy
- Andy Adamson, Joint Astronomy Centre
- Kevin Caruso, Stankraft
- Riley Ceria, Caltech Submillimeter Observatory
- Richard Chamberlin, Caltech Submillimeter Observatory
- Antonio Chrysostomou, Joint Astronomy Centre
- Paul Coleman, Institute for Astronomy, UH Manoa
- Richard Crowe, University of Hawaii at Hilo
- Chris Davis, Joint Astronomy Centre
- Scott Fisher, Gemini Observatory
- Gary Fujihara, Institute for Astronomy, Hilo
- Tom Geballe, Gemini Observatory
- Taras Golota, Subaru Telescope
- Kevin Grazier, NASA JPL
- Oliver Guyon, Subaru Telescope
- John Hamilton, University of Hawaii-Hilo
- Janice Harvey, Gemini Observatory
- Saeko Hayashi, Subaru Telescope
- Inge Heyer, Joint Astronomy Centre
- Ryoko Ishioka, Subaru Telescope
- Eric Jeschke, Subaru Telescope
- Scot Kleinman, Gemini Observatory
- Ron Koehler, Mauna Kea Support Services
- Joe Masiero, Institute for Astronomy, UH Manoa
- Pablo McCloud, Subaru Telescope
- Peter Michaud, Gemini Observatory
- Stephanie Parker, Steward Observatory, University of Arizona



Robert Potter, Subaru Telescope
 Julie Rivera, W.M. Keck Observatory
 Kathy Roth, Gemini Observatory
 Hiroko Shinnaga, Caltech Submillimeter Observatory
 Doug Simons, Gemini Observatory
 Tim Slater, Steward Observatory, University of Arizona
 Walter Steiger, Caltech Submillimeter Observatory
 Ryuji Suzuki, Subaru Telescope
 Kumiko Usuda, Subaru Telescope
 Watson Varricatt, Joint Astronomy Centre
 Kevin Volk, Gemini Observatory
 Virginia Volk, Astronomer
 Gregory Wirth, W.M. Keck Observatory

Lead Local Team

Richard Crowe, `Imiloa Astronomy Center/University of Hawaii at Hilo
 Janice Harvey, Gemini Observatory
 Inge Heyer, Joint Astronomy Centre
 Bess Jennings, Department of Education
 Gail Loeffler, `Imiloa Astronomy Center
 Andolie Marten, Gemini Observatory
 Peter Michaud, Gemini Observatory
 Dory Miyashita, Department of Education
 Valerie Takata, Department of Education

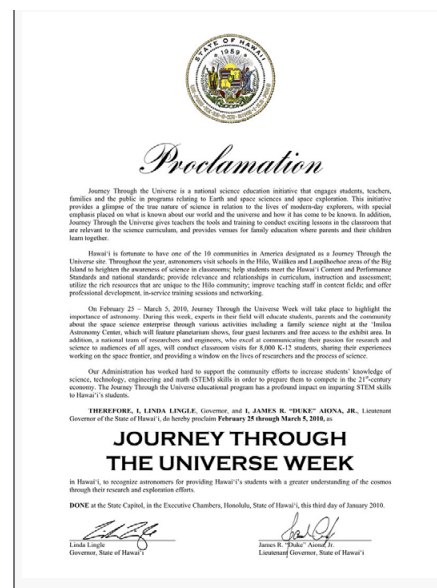
The Program

Hawaii is entering its fourth year of [Journey through the Universe](#), a national science education initiative that engages *entire* communities—students, teachers, families, and the public—using education programs in the Earth and space sciences and space exploration to inspire and educate. The initiative engages communities in sustained science, math, and technology education, and is a celebration of exploration and the joys of learning.

What the human race knows about our world and the greater Universe is used to inspire *the next generation* of scientists and engineers through interactions with *the current generation*; give teachers the tools and training to conduct powerful lessons in the classroom that are deeply relevant to the science curriculum; and provide venues for family learning where parents and their children learn together.

Developed by the National Center for Earth and Space Science Education (NCESSE), *Journey through the Universe* provides a window on the true nature of science and the lives of modern-day explorers, with special emphasis on not just *what* is known about our world and the universe but *how* it has come to be known. It is an approach that reveals the very personal means by which researchers ask questions of the world and empower themselves to create a pathway to an answer.

The initiative includes local programming for thousands of students and families, grade K-12 lessons and curriculum support materials, grade K-12 educator training, and ongoing support from scientists and educators nationally in both science content and pedagogy for the classroom. The communities integrate these resources into their existing science, mathematics, and technology education programming in both formal and informal science education venues. The result of



this partnership is programming that reflects the strengths and capabilities of the community, and provides access to resources that would otherwise be unavailable.

Hilo, Hawaii is currently one of 10 communities around the nation that are designated Journey through the Universe sites.

The North Hilo/Laupahoehoe/Waiakea Complex area located on the island of Hawaii joined the Journey through the Universe program in June 2004. There is a genuine desire among the scientists and professionals associated with astronomy to participate with Hilo schools. Local educators and students desire to share in the excitement of astronomy. Journey through the Universe Week can bring the two together. The joint partnership will:

- Heighten awareness of science in classrooms.
- Help students meet the Hawaii Content and Performance Standards and national standards.
- Provide rigor, relevance and relationships in curriculum, instruction and assessment.
- Tap into the rich resources that are the Hilo community.
- Improve teaching staff in content fields. Professional development, in-service training sessions, networking and articulation amongst educators, scientists, and community people will help improve teaching.
- Educate parents and the community in the space science enterprise.

Programming provided to each community includes a weeklong celebration of learning "Journey through the Universe Week" conducted by a National Team of researchers and engineers reflecting organizations from across the NASA communities. During Journey Week:

Pictures of Journey 2008

The following are links to pictures taken during Journey Week 2008.

- http://files.gemini.edu/~pio/jttu_2008/
- <http://astroday.net/JTTU-08.html>
- http://ftp.jach.hawaii.edu/jcmt/iheyer/JTTU_2008/
- [Photos of Subaru Scientists](#)

Family Science Night

A family science night will be held at the 'Imiloa Astronomy Center, including planetarium shows, four guest lecturers, and free access to the exhibit area.

Classroom Visits

A National Team of researchers and engineers working on the frontier conduct Classroom Visits for 8,000 K-12 students. The researchers are gifted at communicating their passion for research and science to audience of all ages, providing students a personal interaction with explorers working on the space frontier, and providing a window on the lives of researchers and the process of science.

Educator Workshops

Training is provided for K-12 educators on Education Modules that are mapped to the National Science Education Standards. Each Module includes an Educational Unit at three (K-4, 5-8, 9-12) or four (K-2, 3-4, 5-8, 9-12) grade levels, and includes content overviews; inquiry-based, hands-on activities; assessment rubrics; and resource listings.

Contact Us

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- Mail Journey through the Universe, Janice Harvey, Gemini Observatory, 670 N. A'ohoku Place, Hilo, Hawaii
- Press Inquiries Janice Harvey, Gemini Observatory, (808) 974-2603, jharvey@gemini.edu

Press Releases

- [Astronomers Share Their Work With Big Island Keikis](#)

[Journey 2007](#)

[Journey 2006](#)

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