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Journey through the Universe

Journey through the Universe is 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. [More ...](#)

Pictures of Journey 2010

- [Best of 2010 Journey Images](#) (FTP directory - click thumbnail PDF to view all images in the directory.)
- [2010 Journey Images on the University of Hawaii/Hubble website](#)
- [2010 Journey Images on the Joint Astronomy Center Website](#)

Press Releases

- [Hawaii Tribune Herald showcases Journey Through the Universe on the front page of the March 5th paper \(963kb pdf\).](#)
- [Journey Through The Universe in February/March 2010 - Big Island Students and Teachers Explore the Human Presence in Space](#)

February 25- March 5, 2010

Journey Week: February 25 - March 5, 2010

- Thursday February 25, 2010:** Master Teacher Training: 8am - 2pm at 'Imiloa Astronomy Education Center
- Friday February 26, 2010:** Astronomer Workshop: 9am - 1pm at 'Imiloa Astronomy Education Center
- Saturday February 27, 2010:** Teacher Orientation: 8am - 12:30pm at 'Imiloa Astronomy Education Center
- Sunday February 28, 2010:** Family Science Day: 9am - 4pm at 'Imiloa Astronomy Education Center
- Monday March 1, 2010:** Borders Journey Astro Night: 5-7pm at Borders Hilo
- Tuesday March 2, 2010:** Hawaii Chambers of Commerce Appreciation Event: 5-8pm at Hilo Yacht Club
- Wednesday March 3, 2010:** Family Science Night: 4pm - 8pm at 'Imiloa Astronomy Education Center





The Local Science Team

- Andy Adamson**, Joint Astronomy Centre
- Christian Andersen**, UH Hilo Physics & Astronomy
- Colin Aspin**, UH Institute for Astronomy
- Betsy Barton**, UC Irvine/TMT Science Committee
- Kenyan Beals**, Hawaii Electric Company
- Kevin Caruso**, Wilson-Hurd Manufacturing
- Richard Chamberlin**, Caltech Submillimeter Observatory
- Kristin Chiboucas**, Gemini Observatory
- Antonio Chrysostomou**, Joint Astronomy Centre
- Paul Coleman**, UH Institute for Astronomy
- Richard Crowe**, UH Hilo Physics & Astronomy
- Chris Davis**, Joint Astronomy Centre
- Anil Dosaj**, Submillimeter Array
- Angelic Ebberts**, Gemini Observatory
- Scott Fisher**, NSF/Gemini Observatory
- Brian Force**, Caltech Submillimeter Observatory
- Gary Fujihara**, UH Institute for Astronomy
- Tom Geballe**, Gemini Observatory
- Taras Golota**, Subaru Telescope
- Stephen Goodsell**, Gemini Observatory
- Kevin Grazier**, Jet Propulsion Laboratory
- Olivier Guyon**, Subaru Telescope
- John Hamilton**, UH Hilo Physics & Astronomy
- Janice Harvey**, Gemini Observatory
- Saeko Hayashi**, Subaru Telescope
- Inge Heyer**, Joint Astronomy Centre
- Michael Hoenig**, Gemini Observatory
- Ryoko Ishioka**, Subaru Telescope
- David James**, UH Hilo Physics & Astronomy
- Eric Jeschke**, Subaru Telescope
- Scot Kleinman**, Gemini Observatory
- Ron Koehler**, Mauna Kea Support Services
- Shawn Laatsch**, 'Imiloa Astronomy Center
- Bernhard Laurich**, Hawai'i Community College
- Dan Lyons**, University of Wyoming
- Frantz Martinache**, Subaru Telescope
- Tony Matulonis**, Gemini Observatory
- Richard McDermid**, Gemini Observatory
- Callie McNew**, Onizuka Center Visitor Information Station
- Peter Michaud**, Gemini Observatory
- Robert Potter**, Subaru Telescope
- Ramprasad Rao**, Submillimeter Array
- Julie Renaud-Kim**, W.M. Keck Observatory
- Kathy Roth**, Gemini Observatory
- Hiroko Shinnaga**, Caltech Submillimeter Observatory
- Doug Simons**, Gemini Observatory
- Stephanie Slater**, University of Wyoming
- Tim Slater**, University of Wyoming
- Walter Steiger**, Caltech Submillimeter Observatory
- Ryuji Suzuki**, Subaru Telescope
- Marianne Takamiya**, UH Hilo Physics & Astronomy
- Holly Thomas**, Joint Astronomy Centre
- Kumiko Usuda**, Subaru Telescope
- Watson Varricatt**, Joint Astronomy Centre
- Bernie Walp**, Gemini Observatory
- James Webb**, Joint Astronomy Centre
- Greg Wirth**, W.M. Keck Observatory

Lead Local Team

Janice Harvey, Gemini Observatory



Proclamation

Journey Through the Universe is a national science education initiative that engages students, teachers, families and the public in programs relating to Earth and space sciences and space exploration. This initiative provides a glimpse of the true nature of science in relation to the lives of elementary explorers, with special emphasis placed on what is known about our world and the universe and how it has come to be known. In addition, Journey Through the Universe gives teachers the tools and energy to conduct exciting lessons in the classroom that are relevant to the science curriculum, and provides venues for family education where parents and their children learn together.

Hawaii is fortunate to have one of the 10 communities in America designated as a Journey Through the Universe site. Throughout the year, astronomers visit schools in the Hilo, Waialeale and Lanipaho areas of the Big Island to highlight the awareness of science in classrooms, help students meet the Hawaii's Content and Performance Standards and national standards, provide relevance and relationships in curriculum, instruction and assessment; utilize the rich resources that are unique to the Hilo community; improve teaching staff to current fields, and offer professional development, in-service training sessions and networking.

On February 23 - March 5, 2010, Journey Through the Universe Week will take place to highlight the importance of astronomy. During this week, experts in their field will educate students, parents and the community about the open science enterprise through various activities including a family science night at the 'Imiloa Astronomy Center, which will feature planetarium shows, live guest lectures and live access to the exhibit area. In addition, a national team of researchers and educators, who excel at connecting their passion for research and science to audiences of all ages, will conduct classroom visits to 8,000 K-12 students, sharing their experiences working on the open frontier, and providing a window on the lives of researchers and the process of science.

Our Administration has worked hard to support the community efforts to increase students' knowledge of science, technology, engineering and math (STEM) skills in order to prepare them to compete in the 21st century economy. The Journey Through the Universe educational program has a profound impact on improving STEM skills to Hawaii's students.

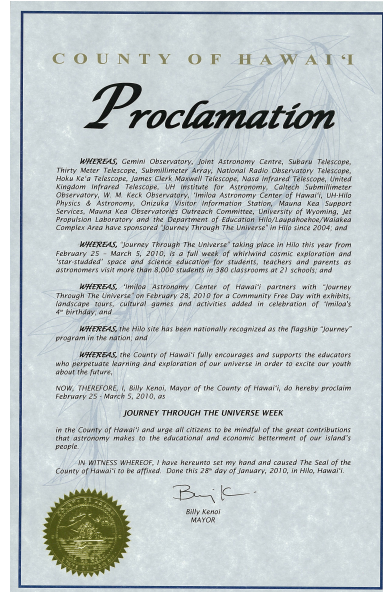
THEREFORE, I, LINDA LINGLE, Governor, and I, JAMES K. "DICKIE" AYOW, JR., Lieutenant Governor of the State of Hawaii, do hereby proclaim February 23 through March 5, 2010, as

JOURNEY THROUGH THE UNIVERSE WEEK

in Hawaii, to recognize astronomers for providing Hawaii's students with a greater understanding of the cosmos through their research and exploration efforts.

DONE at the State Capitol, in the Executive Chambers, Honolulu, State of Hawaii, this third day of January 2010.

Linda Lingle, Governor, State of Hawaii
James K. "Dickie" Ayoow, Jr., Lieutenant Governor, State of Hawaii



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

[Bios of Astronomy Educators](#)

The Program

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:

Family Science Events

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

- **E-Mail** [Journey through the Universe Program](#)
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- **Press Inquiries** Janice Harvey, Gemini Observatory, (808) 974-2603, jharvey@gemini.edu

Previous Events

[Journey 2009](#)

[Journey 2008](#)

[Journey 2007](#)

[Journey 2006](#)