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 - 6pm 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
Kenan 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 Ebbers, 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
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
- Phone Janice Harvey (808) 974-2603
- 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

Previous Events

http://www.gemini.edu/journey