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Journey through the Universe

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January 19-26, 2007

Journey Week: January 19-26, 2007

Master Teacher Workshop: 8am - noon January 19, 2007 at 'Imiloa Astronomy Education Center

K-12 Educator Workshop: 8am - noon January 20, 2007 at 'Imiloa Astronomy Education Center

Astronomer Workshop: 10am - noon January 21, 2007 at 'Imiloa Astronomy Education Center

Chamber of Commerce Social: 5pm - 7pm January 23, 2007 at Hilo Yacht Club

Classroom Visits: January 22-26, 2007

Family Science Night ('Imiloa Astronomy Center 4-9pm - two sessions - ticketed): January 24, 2007

Family Science Night (UHH): 7-9pm January 25, 2007

Farewell Dinner (Hilo Daijingu): 5-8pm January 26, 2007

The National Science Team

[Dr. Tim Slater](#), University of Arizona

[Dr. Kevin Grazier](#), NASA JPL

The Local Science Team

Andy Adamson, Joint Astronomy Center

Riley Ceria, Caltech Submillimeter Observatory

Richard Chamberlin, Caltech Submillimeter Observatory

Paul Coleman, Institute for Astronomy, UH Manoa

Al Conrad, W.M. Keck Observatory

Richard Crowe, UHH and Imiloa Astronomy Education Center

Chris Davis, Joint Astronomy Center

Scott Fisher, Gemini Observatory

Gary Fujihara, University of Hawaii Institute for Astronomy

Tom Geballe, Gemini Observatory

John Hamilton, University of Hawaii-Hilo

Janice Harvey, Gemini Observatory

Saeko Hayashi, Subaru Telescope

Inge Heyer, Joint Astronomy Center

Catherine Ishida, Subaru Telescope

Ryoko Ishioka, Subaru Telescope

Scott Kleinman, Subaru Telescope

Ron Koehler, Mauna Kea Support Services

Joe Masiero, Institute for Astronomy

Satoshi Mayama, Subaru Telescope

Peter Michaud, Gemini Observatory

Julie Rivera, W.M. Keck Observatory

Steve Rodney, Institute for Astronomy

Hiroko Shinnaga, Caltech Submillimeter Observatory

Walt Steiger, Caltech Submillimeter Observatory

Michihiro Takami, Subaru Telescope

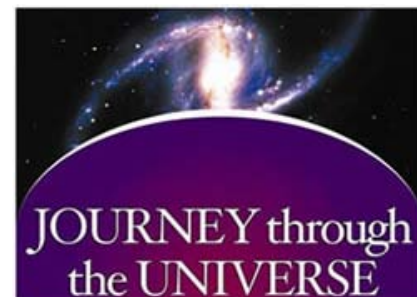
Kumiko Usuda, Subaru Telescope

Watson Varricatt, Joint Astronomy Center

Kevin Volk, Gemini Observatory

Virginia Volk, Astronomer

Greg Wirth, W.M. Keck Observatory



Lead Local Team

Janet Babb, `Imiloa Astronomy Center
Gloria Chun Hoo, `Imiloa Astronomy Center
Richard Crowe, `Imiloa Astronomy Center/University of Hawaii at Hilo
Janice Harvey, Gemini Observatory
Bess Jennings, Department of Education
Roy Kobayashi, 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

Astronomers biographies

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The Program

Hawaii is entering its third year of Journey through the Universe, a national educational initiative developed by the National Center for Space, Earth, and Flight Sciences Education (NC-SEFSE). Using the exciting fields of human space flight, and the Earth and space sciences, Journey through the Universe engages communities in sustained science, math, and technology education. The program takes entire communities students, teachers, and families to the frontier. Journey through the Universe is a celebration of human exploration, how we have come to know what we know about the Universe, and the joys of learning.

The national program is funded by grants from NASA's Office of the Chief Education Officer and the Science Mission Directorate.

NC-SEFSE provides diverse national resources to Journey through the Universe communities, including local programming for students and families, K-12 curriculum support materials, K-12 educator training, and ongoing support from NC-SEFSE scientists and educators in both content and pedagogical approaches in 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 programming that results from this partnership is meant to reflect the strengths and capabilities of the community, and provide 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 Days

A family science night will be held at the `Imiloa Astronomy Center following four planetarium shows, four guest lecturers, with exhibit area open.

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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