



# Education & Outreach

Astronomical Society of the Pacific



## The ASP's National Programs and Partnerships Can Help You Meet Your Curriculum Goals and Improve Science Literacy

— *The ASP can assist educators in using the appeal of astronomy to teach core science concepts and improve attitudes about science in both teachers and students* —

### CONSULTING and PARTNERING

*The ASP consults and partners with school districts on a variety of science education-related projects.*

#### WHAT WE OFFER



We have the resources and knowledge in place to help schools meet many of their science education needs through a number of **National Networks** consisting of government agencies such as NASA, major universities, community colleges, science centers and museums, observatories, and other science- and education-related regional partners.

#### MAKING A DIFFERENCE

The New Jersey Astronomy Center for Education (NJACE) at Raritan Valley Community College (RVCC), a longtime partner with the ASP, recently received multiple grants to assist New Jersey school districts examine and improve an updated astronomy curriculum.

*“The [grant] will enable NJACE staff members to reach a greater number of school districts and provide additional hours of teacher training in astronomy education.”*

— *Dr. Casey Crabill, RVCC President*

### PROFESSIONAL DEVELOPMENT

*The ASP offers excellent professional development opportunities to classroom teachers across the nation*

#### WHAT WE OFFER



PROJECT  
ASTRO

For over 15 years, **Project ASTRO™**, our flagship education program, has paired teachers with volunteer astronomers and trained them on how to work together to present hands-on and inquiry-based learning opportunities for students. With multiple class visits, regional support and custom-made resources, Project ASTRO has been cited as “exemplary” by the National Science Foundation.

#### MAKING A DIFFERENCE

Over 500 active Project ASTRO educator-astronomer partnerships currently bring the excitement of scientific discovery through astronomy to over 20,000 students annually. Roughly 200,000 students and 7,000 teachers have been involved in the program to date.

*“Project ASTRO has completely changed my attitudes toward teaching science...As a result of the program, I am working with the other grade-level teachers to revamp the whole elementary science curriculum.”*

— *Project ASTRO Teacher, quoted in the Evaluation Report by the Institute for Learning Innovation*

(OVER)

# COMMUNITY BUILDING

## WHAT WE OFFER



ASP programs such as the **Night Sky Network**, **Family ASTRO** and **Astronomy from the Ground Up** help schools get parents and the entire community more involved in their children's science education, and to spend more time together in active experiments, observations, and discussion.

## TESTIMONIALS

*"Family ASTRO is a huge success! We have so much fun and the teachers feel they are learning so much...love it!"*

— **Janice Harvey**, Education and Outreach Specialist, Gemini Observatory, Hawaii

*"We in the DOE always struggle with ideas of how to increase meaningful parent involvement in school functions and academics. This [Family ASTRO] school/community event was an example of how to do it right."*

— **Bob Hill**, Hawaii Department of Education

## PROFESSIONAL DEVELOPMENT FEES

The ASP can provide your school district with customized professional development for your teachers that follow science and astronomy content standards. We will develop a proposal to meet your specific needs. Factors taken into consideration when developing a budget are:

Training Time: \$50/hr

Travel to site

Materials (eg: Universe at Your Fingertips manual \$39.95)

Evaluation (post training surveys and analysis)

Indirect Costs to the ASP

## GETTING STARTED

Contact us to find out more about our services and partnership opportunities with your school district.

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To learn more about the Society in general and its education programs, visit us at: [www.astrosociety.org/education.html](http://www.astrosociety.org/education.html)

### About the Astronomical Society of the Pacific

Founded in 1889, the non-profit Astronomical Society of the Pacific (ASP) has been dedicated to helping people understand, appreciate, and enjoy astronomy. **We focus on working with educators** who share the excitement of astronomy and science learning with others. By assisting them to become *more* knowledgeable, *more* highly motivated, and *more* effective, our efforts are multiplied by hundreds, even thousands of times. Together, the ASP can help you meet your science curriculum goals, improve science literacy through astronomy in your school district and ignite the sparks of curiosity and wonder in more students.

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