NASA Astrophysics Education and Public Outreach:

Engaging Educators and Students in Exploring the Cosmic Frontier

Office of Public Outreach
Space Telescope Science Institute
NEWS of DISCOVERIES reaches STUDENTS

Scientist → SCIENCE DISCOVERY → NEWS

The public
Textbooks
Museums, planetariums, libraries, science centers

STEM PIPELINE
- K-12 Education
- Higher Education
  - Undergraduates
  - Graduates
  - Postdocs
Press Releases

Oct. 24, 2013

Jan. 7, 2014

Feb. 7, 2014

Oct. 16, 2014

Oct. 30, 2014

March 5, 2015
OPO EDUCATION PROGRAM

We bring the universe to the formal and informal education communities, and engage educators and students in the adventure of scientific discovery.

- Standards-based Curriculum Support Tools (online, hardcopy & mobile platform)
- Professional Development
- Student Activities
- Exhibits & Standards-based Exhibit Support Materials
- Interns/Externs
- Education Community Support & Community Events

Unique Content, Educator-Scientist Teams, Research-based, Evaluation (internal/external), Partnerships, Diversity
Science content reading articles that deliver the latest Hubble discoveries to younger readers.

The Star Witness News

Special Feature

Frontier Fields: Hubble Goes Deep

Stronomers made a bold move in the mid-1990s, using the Hubble Space Telescope to stare at a seemingly vacant patch of sky. Their efforts paid off. Looking deeper into space than ever before, Hubble uncovered 5,000 galaxies. The light from many of these galaxies had traveled for billions of years, meaning that Hubble sees them as they were billions of years ago. Looking deeper into space is also seeing farther back in time. The observations, called the Hubble Deep Field (HDF), gave astronomers a glimpse of galaxies in the early universe. Astronomers, however, wanted more: more deep fields, more directions on the sky, and more distant galaxies that would help them understand how galaxies grow and change over time. They took

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Formal Education

Curriculum Support Materials

Lithograph

Poster
Formal Education

Higher Education Materials:
Astro101 slide-sets

For more info on the Astro 101 slide sets see Poster DCp.1.09 (James G. Manning)
Informal Education

Viewspace

An Internet-fed, self-updating, multimedia exhibit that features the latest images and digital animations from earth and space science as well as interpretive text.
Informal Education

Science Briefings:
NASA Museum Alliance & Night Sky Network

PI Jennifer Lotz

Gabriel Brammer

Brandon Lawton
Outreach
Blog for the General Public

Stats:

- 7 authors
- 49 posts
- > 80,000 visitors
- > 135,000 views
- 85 comments
- > 150 countries viewed FF blog
Outreach

HST 25th Anniversary Website: http://hubble25th.org/

Video Gallery

Image Gallery

Science Articles

Presentations & ebooks
Thank You!

Press Releases:  http://hubblesite.org/newscenter/
Education:     http://amazing-space.stsci.edu/
Blog:          http://frontierfields.org/
NASA Wavelength: http://nasawavelength.org/