ONASA's Universe of Learning

Cosmic Mysteries

Partners and Collaboration: We work with our partners and collaborators to ground resources in current, cutting-edge science, increase dissemination through networks, and reach otherwise hard-to-reach audiences.

Science Content Themes

How do we know?

NASA's UoL Program Elements:

OROS

- Data Tools & Participatory Experiences Multimedia & Immersive Experiences
- Exhibits & Community Programs Professional Learning Experiences

NASA's UoL Projects Include:

- Astropix
- Astroviz Universe Unplugged
- Coding Workshops
- Accessible Learning Resources Informal Learning Network
- Three Pre-Service Partnerships
- National Science Olympiad • ... and more (see pathway)

Subject Matter Experts (SME): NASA's UoL engages SMEs from multiple institutions and missions across all of its projects to ensure accuracy and currency. SME database is in progress.

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Other Solar Systems Other Earths

> We now know of thousands Planets beyond our Solar Syste

> > Museum Alliance

Science Briefing

EXCITE

GSAWN Outcomes:

- 94% learned about astronomy and space science
- 86% became more interested in astronomy and space science
- Impact was greatest for those who met a scientist or engineer

NASA's Universe of Learning provides resources and experiences that enable youth, families, and lifelong learners to explore fundamental questions in science, experience how science is done, and discover the universe for themselves.

NASA's Universe of Learning is a STEM Learning and Literacy program that:

- provides a direct connection to all NASA Astrophysics science
- uses a spectrum of ways to engage subject matter experts
- integrates mission discoveries and milestones from the past, present, and future into learning programs in a timely manner

MicroObservoron

DIY Planet Se

Advance SMD Objectives:

- Enable STEM learning
- Improve scientific literacy
- Advance national education goals
 - Leverage through partnerships

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