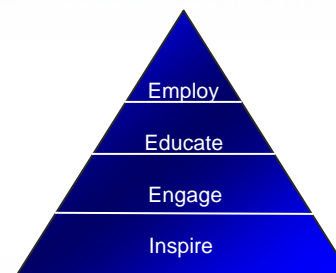




NASA Education

March 5, 2009



NASA Education Alignment to Obama Plans for Education, Science, Technology and Space Exploration

Space Exploration Agenda

- Establish Educational Access to Government Programs and R&D
- Inspire Learning through Participatory Exploration
- Establish Teacher/Researcher Fund for High Schools
- Increase Opportunities for College Students

Technology Agenda

- Invest in University-Based Research
- Increase Science and Math Graduates

Education Agenda

- Make Math and Science Education a National Priority
- Address the Dropout Crises
- Expand High-Quality Afterschool Opportunities
- Support College Outreach Programs
- Support College Credit Initiatives

Science and Technology Agenda

- Invest in a Technology Investment Fund
- Inspire Americans' to Excel in, and Embrace, Science and Engineering
- Expand and Improve STEM Education in Community Colleges

Congressional Interest in STEM Education

- **America COMPETES Act**
 - **Signed by the President August 9, 2007**
 - **To ensure our nation's competitive position in the world through improvements to math and science education and a strong commitment to research**
 - **NASA Education response provided in January 2009, addressed the full portfolio:**
 - Office of Education Programs and Projects
 - Mission Directorate Programs and Projects
 - Performance Assessment and Accountability – planning, implementation, evaluation including OMB PART

Congressional Interest in STEM Education

- House Committee on Science and Technology, Subcommittee on Space and Aeronautics – ***Agency STEM Projects Inquiry***
 - **NASA Education response provided in January 2009**
 - **Included responses to questions on**
 - STEM Education Activities
 - Expenditures
 - Congressionally-Mandated Direction
 - Mission Directorates
 - Space Grant Program
 - Space Grant and Mission Directorates
 - Education and NASA Centers
 - Pre-Service Teacher Activities
 - Science Mission Directorate
 - Space Operations Mission Directorate
 - Congressional Direction and the Mission Directorates

Congressional Interest in STEM Education

- Government Accountability Office Request
 - Request sent January 12, 2009
 - Multiagency review – total of 23 agencies
 - **“Overview Of Education Programs”**
 - A survey to determine the number of federal early childhood and K-12 education programs within NASA

STS-119

Theme: Spacesuits and Spacewalking





Spacesuits

[Home](#)[Education Activities](#)[Career Corner](#)[History Gallery](#)[Related Links](#)

Spacesuits and Spacewalks



Overview

Welcome to the NASA Education Spacesuits and Spacewalks Web site.

Engage your students in the wonders of space as they learn about spacesuits and spacewalks.

Things you can do with this site:

- Check out the Clickable Spacesuit and learn about the different parts of a spacesuit.
- Take a look at videos about the spacesuits of the future.
- Watch Brain Bites videos and learn about hard-to-do moves in a spacesuit.
- Take a step back in time and visit the Spacesuit History Gallery.
- Explore the Educational Activities.
- Read about spacesuit designers and engineers who create and test spacesuits.
- Discover other NASA Web sites with information about spacesuits and spacewalks.

Student Articles



The History of Spacesuits: Student K-4 Article

Astronauts have used many different spacesuits during NASA's history.



What Is a Spacesuit: Student K-4 Article

Spacesuits protect astronauts in space, on the moon and on other planets.



What Is a Spacesuit: Student 5-8 Article

Spacesuits allow astronauts to work outside a spacecraft in orbit, on the moon or on another planet.

Clickable Spacesuit -- An Interactive Spacesuit Experience

NASA's Extravehicular Mobility Unit, or EMU, is like a personal mini-spacecraft. Mouse over the parts of the spacesuit and learn why each piece is important.



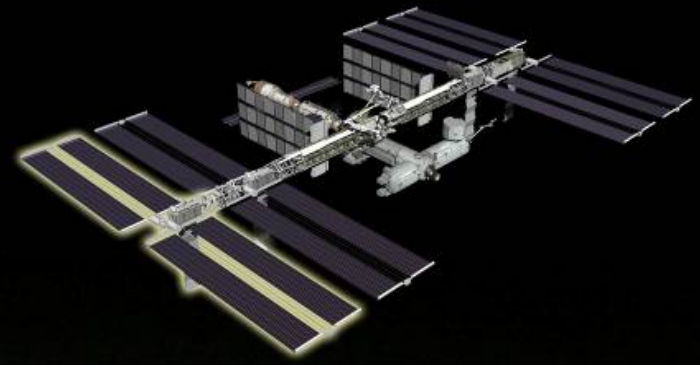
[View The Clickable Spacesuit](#)

Related Multimedia



Evolution of the NASA Spacesuit
See how astronauts'

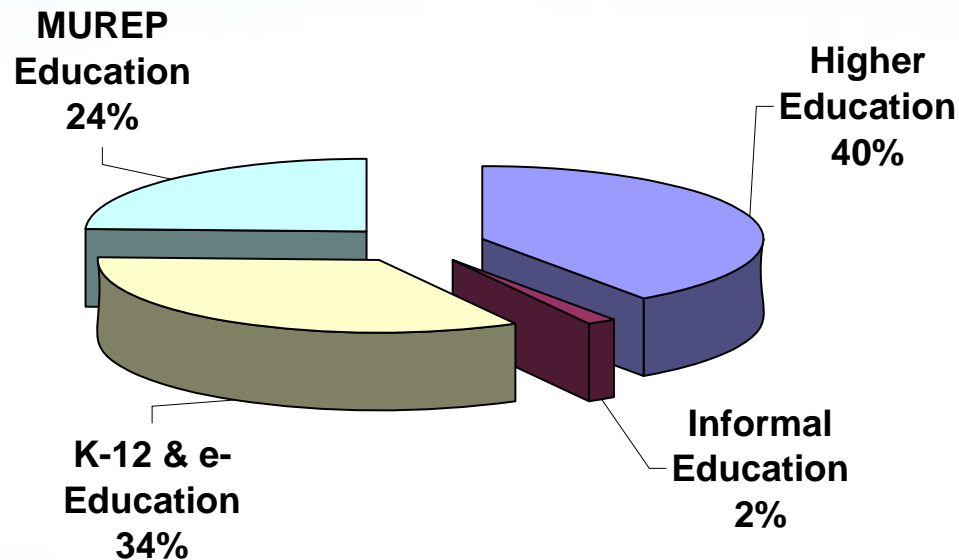
STS-119



Education Budget FY 2009

NASA Office of Education FY 2009

(% of Total President's Budget of \$115.6M)



Highlighting Space Grant

- **Math and Science Partnerships – U.S. Department of Education funded**
- **Tennessee Tech 2020**
- **Triangle Coalition**
- **McAuliffe-Shepard Discovery Center**

