INSPIRE - ENGAGE - EDUCATE - EMPLOY
The Next Generation of Explorers

September 14, 2017

Mike Kincaid – Associate Administrator for Education (Acting)
Submit Your Questions and Vote: www.jsc.cnf.io

*Space Grant National Meeting!*

Welcome to the *Space Grant National Meeting!* Q & A will be part of the meeting. Please add a question, or go and "vote up" someone else's question. Please note that questions will be selected by the moderator and/or Mike and may not necessarily be in a particular order.

Social Q&A

Vote by clicking / tapping the arrow

Since the house and senate have both proposed budgets which include...
Topics

✓ Introduction
✓ Where We Have Been
✓ Where We Are
✓ Where We Are Going
✓ Space Grant – An Invaluable Partner
✓ Introduction

Where We Have Been
Where We Are
Where We Are Going

Space Grant – An Invaluable Partner
We Want to Hear from You!
Introduction

✓ Where We Have Been

Where We Are

Where We Are Going

Space Grant – An Invaluable Partner
Introduction
Where We Have Been

✓ Where We Are

Where We Are Going

Space Grant – An Invaluable Partner
Education and Outreach
Business Services Assessment Concerns

- Governance
- Program Management
- Grants Management
- Outreach
Approach

NASA will implement changes to our STEM Education Strategy to ensure we are being effective, efficient, and successful as we engage the public in NASA’s missions.

- Governance and organizational changes
- Enhanced focus on NASA-unique contributions
- Expanded and improved evaluation strategy
- More effective management and intra-agency coordination
- Better use of limited resources and integration with mission directorate activities
- Ability to tailor strategy and content for maximum effectiveness
Draft Vision & Mission

Vision
We immerse the public in NASA’s work, enhance STEM literacy, and inspire the next generation to explore.

Mission
We engage the nation in NASA’s mission.

• Create unique opportunities for students and the public to contribute to NASA’s work in exploration and discovery.

• Build a diverse future STEM workforce by engaging students in authentic learning experiences with NASA’s people, content and facilities.

• Strengthen public understanding by enabling powerful connections to NASA’s mission and work.

-DRAFT-
### Fiscal Climate

<table>
<thead>
<tr>
<th></th>
<th>FY 2017</th>
<th>FY 2018</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>actual</td>
<td>President’s</td>
</tr>
<tr>
<td>Space Grant</td>
<td>$ 40.0</td>
<td>$ 40.0</td>
</tr>
<tr>
<td>EPSCoR</td>
<td>$ 18.0</td>
<td>$ 18.0</td>
</tr>
<tr>
<td>MUREP</td>
<td>$ 32.0</td>
<td>$ 32.0</td>
</tr>
<tr>
<td>SEAP</td>
<td>$ 10.0</td>
<td>$ --</td>
</tr>
<tr>
<td>Close-out Project</td>
<td>$ --</td>
<td>$ 37.3</td>
</tr>
<tr>
<td>Total</td>
<td>$ 100.0</td>
<td>$ 90.0</td>
</tr>
</tbody>
</table>
Introduction
Where We Have Been
Where We Are
✓ Where We Are Going
Space Grant – An Invaluable Partner
BSA: Driving a New Approach

An investment in NASA mission content coupled with learning experts will:

• Tap into authentic experiences and talent at Centers;
• Support agency mission and communication priorities/events (i.e., James Webb Space Telescope launch and receipt of images, EM1 launch, and 50th anniversary of Apollo);
• Meet evidence-based audience needs;
• Capitalize on mission directorate research and development, unique content and subject matter expertise; and
• Engage other organizations to deliver an integrated portfolio that enables greater STEM learning.
In the new approach, the agency can more effectively leverage:

- Mission directorates’ investments in STEM activation, collaboration or education
- Space Grant and MUREP funding
- Agency Communications’ priorities to incorporate authentic STEM components
- Human Capital’s and Diversity & Equal Opportunity’s pursuit of a highly-skilled, high-tech workforce
Mission Communications & Outreach Strategy:
• Social Media
• Web, www.nasa.gov
• Exhibits
• Museum Displays
• Strategic Partners
• Experiences/Guest ops
• NASA Visitor Center events

NASA Education unique contributions:
• K-8 engineering design challenges
• Virtual learning activities
• Bilingual educational content offerings
• Informal education activities for museums, libraries and other youth- and public-serving organizations
• Enhanced student competitions
New Approach: FY18 Demonstration

A Year of Education on Station
Teachers in Space

Joe Acaba will be onboard from September 2017 to February 2018

Ricky Arnold will be onboard from March 2018 to September 2018

Join NASA Education for this exciting opportunity!
A Year of Education on Station

**STEMonstrations + Crew Time**
Video demonstrations showcasing scientific concepts on the space station with accompanying classroom guides + time for on-orbit video.

**A New Website**
Stay up-to-date on the mission and related resources and opportunities – includes cool new features!

**Partnerships**
We are working with a variety of groups, including Challenger Center, University of Houston-Downtown, NSTA, Microsoft and others.

**Stay Social**
Keep up with us on social media – you never know what the astronauts might have in store!
@NASAedu @AstroAcaba @astro_ricky

[www.nasa.gov/education/onstation](http://www.nasa.gov/education/onstation)
Partnerships

TIME FOR KIDS
Challenger Center
FIRST® LEGO® League
NSTA
Microsoft
UHD

STEM INSPIRE - ENGAGE - EDUCATE - EMPLOY
The Next Generation of Explorers
How YOU Can Get Involved

Submit a letter of intent to host an in-flight education downlink with Joe Acaba or Ricky Arnold (JSC-Downlinks@mail.nasa.gov)

Get affiliates involved online using #teacheronboard and/or #stemonstation

Join NASA Express Message to learn about new resources and opportunities (www.nasa.gov/education/express)
The 2018 Spring Session Internship application dates are from 06/02/2017 — 10/17/2017.

OSSI Student Opportunities and Student Information
- NASA Internships, Fellowships, and Scholarships
- NASA One Stop Shopping Initiative (OSSI)

Requests and Community Outreach
- OSSI Information Center (OIC) Launch I More Details

NASA STEM
- Learn More

Social Media @ NASA
NASA Express

Check out the following NASA opportunities for the education community. Full descriptions are listed below.

NEW THIS WEEK!

Free Education Webinars From NASA Educator Professional Development

The NASA STEM Educator Professional Development Collaborative at Texas State University is presenting a series of free webinars open to all educators. Join NASA education specialists to learn about activities, lesson plans, educator guides and resources that bring NASA into your classroom. Registration is required to participate. To register, simply click on the link provided beneath the webinar description.

Mission STEM: Constructing Explanations and Solutions

Audience: Pre-service, In-service, Home School and Informal Educators of Grades K-12

Event Date: July 31, 2017, at 4 p.m. EDT

Participants will explore resources that allow students to practice inquiry-based strategies while completing design challenges. Explore recording, analyzing and interpreting data. And learn how maps and models can be used to help students gain perspective and answer questions. Register online to participate.

https://www.etouches.com/249118

Exploring Beyond the Planets: Cassini and Saturn

Audience: Pre-service, In-service, Home School and Informal Educators of Grades K-12

Event Date: Aug. 1, 2017, at 6:30 p.m. EDT

Participants will learn about the solar system and beyond. Explore the current research going on at Saturn with the Cassini mission and related activities that can be used within the classroom or during afterschool programs. Register online to participate.

https://www.etouches.com/244227

PREVIOUSLY PROMOTED OPPORTUNITIES...

NASA’s Digital Learning Network Live Event - Cassini’s Final Days Webcast

Audience: Educators and Students

Event Date: Sept. 7, 2017, 1 - 2 p.m. EDT

Contact: DLN@nasa.gov

On Sept. 15, 2017, the Cassini spacecraft will plunge into Saturn, thus completing a nearly 20-year mission. Join NASA’s Digital Learning Network for a live one-hour virtual event — just days before the end of mission — to learn more about the upcoming “grand finale.” Ask NASA experts your questions via Twitter @NASA_DLN using #AskDLN or by email at DLN@nasa.gov

ACT FAST!

These Opportunities Blast Off Soon!

NASA Swarmathon: Seeking Colloborators

Audience: Higher Education Faculty and Students at Minority Serving Universities and Minority Serving Community Colleges

Event Date: Sept. 15, 2017

Contact: info@nasa-swarmathon.com

This 2018 NASA Swarmathon Virtual Competition challenges students to develop search algorithms for robotic swarms. Those algorithms will be tested by competition organizers in a virtual environment. Selected teams will receive a $500 stipend for their faculty mentor(s); training via live webinars, videos and guides; and access to technical resources.
Agency Communications Priorities

- Earth Right Now
  Your planet is changing. We’re on it.

- International Space Station
  Off the Earth, for the Earth

- NASA's Journey to Mars

- NASA: We're there

- Technology Drives Exploration

- Aerospace: Innovation in Motion
SpaceX Uncrewed Dragon to ISS

Cassini orbital insertion. And eventual crash in Saturn (9/17)

April

Solar Eclipse

August

March

SpaceX Uncrewed Dragon to ISS

April

Astronaut Class Selection

June
Introduction

Where We Have Been
Where We Are
Where We Are Going

✓ Space Grant – An Invaluable Partner
Over 1,100 new followers gained.

Featured as "Spark of the Week" in Boston PR firm TierOne Partners' weekly newsletter!

Facebook engagements jumped from 1,688 the previous week to over 157,000 after #InternEclipse. That's a growth rate of over 9,200%.

@NASAInterns
Space Grant and the Eclipse
Alignment vs. Engagement
Alignment vs. Engagement
2017 Astronaut Class: Zena Cardman

- Pennsylvania Space Grant Consortium Fellowships (2015-2016)
Questions? www.jsc.cnf.io

Welcome to the *Space Grant National Meeting!* Q & A will be part of the meeting. Please add a question, or go and “vote up” someone else's question. Please note that questions will be selected by the moderator and/or Mike and may not necessarily be in a particular order.

Social Q&A

Vote by clicking / tapping the arrow

Since the house and senate have both proposed budgets which include