

Collaborations and Partnerships Breakout Session

Three minute speed talks



Overview

- Goal: dive deeper into specific topics
- Opportunities to collaborate or partner
- One 50 minute round – choose your favorite
- Refreshment break at 10:30 directly following session
- Whole group session starts back here promptly at 10:50



Overview

- NASA's Artemis Student Challenge NASA SUITS
- Exploring and Deploying NASA Commercial Crew VR Experience
- DreamUp: Bringing Space to Classrooms, and Classrooms to Space
- National Space Grant Foundation
- Complementing Your Activities With NASA's Universe of Learning



Artemis Student Challenges

**Human Exploration
Rover Challenge**

Student Launch

Micro-G NExT

2020 BIG Idea Challenge

**Lunabotics
Competition**

**Spacesuit User Interface
Technologies for Students
(S.U.I.T.S.)**

**First
Nations
Launch**

Human Exploration Rover Challenge

Create a vehicle designed to traverse the simulated surface of another world

Micro-g NExT

Design, build and test a tool or device to address a current space exploration challenge

Spacesuit User Interface Technologies for Students

Design and create spacesuit information displays within an augmented reality environment

First Nations Launch

Build and launch class K high-powered rockets

Big Idea Challenge

Design lunar payloads that demonstrate technology systems needed for exploration and science

Student Launch

Research and compete and experience exploration to support the Space Launch System

Lunabotics

Build a robot to simulate an off-world lunar mining mission



stem.nasa.gov/joinartemis



Exploring and Deploying NASA Commercial Crew VR Experience

In this session participants will be introduced to the NASA Commercial Crew VR program and learn how it's being used in Nevada. We will share successes and also lessons learned from rolling out this new platform.



DreamUp

DreamUp has enabled nearly 100,000 students to research in space and inspired countless more to reach for the stars.

Space in Classrooms

We provide space-based educational programs (including DreamKits, DreamCoder and myLAUNCH) to learners and educators, changing the way they see the universe and their role in it.

Classrooms in Space

Through launch partner Nanoracks and its Space Act Agreement with NASA, we have launched 425+ student payloads to the International Space Station, enabling countless “ah-ha” and awe-inspiring moments.

Building a Community

Student researchers worldwide engage with the DreamUp community through programs such as the UAE’s Tests in Orbit and the NASA’s Student Payload Opportunity with Citizen Science.

Infinity and Beyond

DreamUp inspires students to dare to dream and pursue STEM courses, college studies, and careers. We’re innovating and creating new ways to make space more accessible to all learners.

Let’s keep the conversation going.



NSGF CY 2020 National Fundraising Needs and Action Plans

Breakout Session Focus Areas

- Build Consensus on The Vital Few Space Grant Community Funding Needs Benefiting ALL Consortia for CY2020
- Collaborate and build Consensus on the What, Who, Cost, Impacts, and Greatest Common Needs
 - Scholarships ?
 - Fellowships?
 - Internships?
 - Funding for Student and Faculty Travel?
 - Seminars, Symposiums, Paper Presentations?
 - Other Ideas?
- Build Consensus on Value Proposition for Donors and Constituents
 - Develop Consensus of Menu of Offerings” to present to Foundations, Corporations, and High Net Worth Donors
 - Collaborate and build Uniform “Talk Track”
 - Social Media Reach and Impact
 - Collaborate on Virtual and In-Person FUNdraising Events
 - Merchandising Opportunities and Initiatives in CY 2020
 - Develop Discuss and build Donation Database – Consortia information sharing
 - Recognition Programs and Communications

Contact Kevin D. Freese, NSGF CEO, at Cell:440-477-7937 or email: freese@spacegrant.org for more information

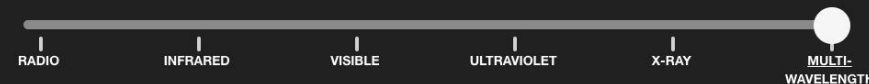


www.universe-of-learning.org

Star Death: Crab Nebula
Remains of an exploded star [Full Story Below >](#)



A composite image of visible and invisible light shows the remains of a star nearly 1,000 years after it exploded.



VIEWSPACE

DID YOU
KNOW?

Dark matter
does not cast
shadows.

Dark matter makes up
more than 80% of the
matter in the universe.



Map of dark matter in galaxy cluster Cl 0024+17, 5 billion light-years away (Hubble Space Telescope)

Room Assignments

- NASA's Artemis Student Challenge - NASA SUITS – **Jefferson III**
- Exploring and Deploying NASA Commercial Crew VR Experience - **Crystal VI**
- National Space Grant Foundation – **Crystal II**
- DreamUp – **Crystal III**
- Complementing Your Activities with NASA's Universe of Learning – **Crystal V**

