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## Innovation for the STEM Workforce Pipeline

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# *Innovation for the STEM Workforce Pipeline*



SPACE FOUNDATION

Shelli Brunswick  
*Chief Operating Officer*  
Space Foundation



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# Space Foundation Innovation Programs

*For the advancement of space technologies  
and the STEM workforce pipeline*

- Space Commerce & Entrepreneurship Training and Education
- STEM Immersive Education
  - Junior Space Entrepreneurship Program
  - Mars Robotics Laboratory/Virtual Reality/Augmented Reality
- New Gen Initiatives
- Research





# Advancement of Space Technologies

- Space Commerce and Entrepreneurship
  - Partnerships with local colleges, universities, incubators/accelerators, and government
  - On-line downloadable webinars conducted by industry experts
  - On-site space commerce & entrepreneurship workshops customized to the local and regional areas
  - Focused outreach to minority-, women-, and veteran-owned businesses
- Space Certification
- Space Technology Hall of Fame
- The Space Report



# Education

- Pioneering “Immersive Education”
  - Putting students in real-world, “hands-on, brains-on” scenarios and simulations
  - Connects 21<sup>st</sup> Century and STEM skills to real-world careers
  - Goal: To increase the STEM workforce pipeline with qualified individuals
- Junior Space Entrepreneurship Program
  - 21<sup>st</sup> Century Essential Skills
  - Business Skills
  - Entrepreneurial Skills
  - STEM Skills
  - Centered around a human and robotic mission to Mars







## Mars Robotics Laboratory

- Mars Robotics Laboratory at Space Foundation Discovery Center
- Simulated Mars missions
- Teach Project Management skills
- Rovers can be driven remotely from anywhere in the world





# Research

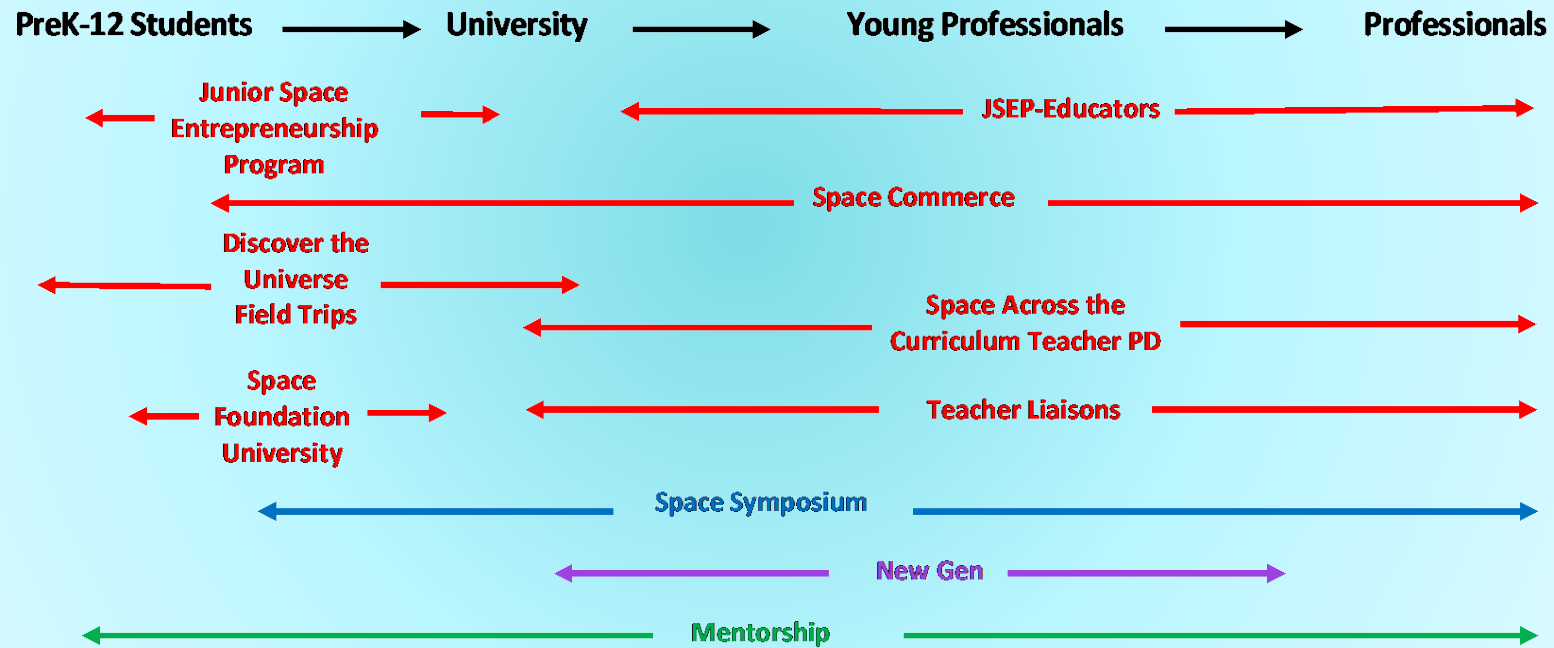
- Space Commerce best training practices
- The Space Report
  - Predictive
  - Quarterly
- Education Best Practices
  - Immersive Education
  - Virtual Reality
  - Augmented Reality
  - Hands-On
  - Project Based Learning
  - Virtual Offerings







# Space Foundation STEM Workforce Pipeline Programs



# Want to Know More?

## Space Foundation

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