# NASA Advisory Council

**Task Force on STEM Education** March 31, 2017

## Anita Krishnamurthi

#### #JOURNEYTOMARS

## Taskforce on STEM Education



- <u>Margaret Honey</u> (CEO, New York Hall of Science)
- <u>Aimee Kennedy</u> (VP for Education, STEM Learning & Philanthropy, Battelle)
- <u>Anita Krishnamurthi</u> \*chair (VP, STEM Policy, Afterschool Alliance)
- <u>Michael Lach</u> (Director, STEM Policy & Strategic Initiatives, Univ. of Chicago)
- <u>Ray Mellado</u> (Founder & Board Chairman, Great Minds in STEM)
- Jim Stofan (COO, Defenders of Wildlife)

#JOURNEYTO MA

 <u>Carl Person</u> \* vice-chair (Undergraduate Research Preceptor, Fayetteville State University)

### Recommendation



The budget for NASA's education efforts should be aligned with the goals articulated in the NASA Education Implementation Plan (NEIP).

- Budget stability is critical to long range planning by NASA and grantees.
- Budgets across funding offices should be aligned with the NEIP and coordinated with the Office of Education.

### Recommendation



NASA should determine a strategic focus for each solicitation cycle and prioritize the majority of nondirected discretionary funds of the total NASA Education Budget to support that strategy.

- For example, we encourage NASA to consider focusing on particular age bands, geographic areas, segments of the population, or content areas in each solicitation cycle.
- To make this determination, NASA should collect and utilize additional impact data to inform solicitations and strategic directions for NASA's education programs.

### Recommendation



NASA education programs must contribute to the larger knowledge base of best practices in STEM Education.

- All grantees should be encouraged to publish their final reports and share their findings widely in public presentations beyond NASA audiences.
- Create a public database or participate in an existing one such as the CAISE informalscience.org website to share NASA education programs' results and findings with the larger STEM education community.

# Finding



NASA has the ability to widely share its STEM expertise and also learn from the larger education community.

- For example, NASA can leverage its reach and expertise to influence education in STEM fields, and utilize its brand recognition to begin a dialogue with the larger education community.
- Through its education and outreach efforts, NASA has the ability to fully engage communities in the Agency's key messages and priorities.
- NASA can increase its impact on the diversity of the STEM workforce by more strategically aligning with diverse organizations and communities to support their efforts.

#### #JOURNEYTOMARS