

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Hands-on Space Education and Outreach (8)

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**Abstract**

In 2016, NASA's Science Activation program competitively awarded 27 institutions to enable NASA content and science experts into the learning environment more effectively and efficiently with learners of all ages. Addressing community needs, the teams cooperate with NASA to meet four objectives as verified by independent evaluators. Currently, there is a network of over 200 partners to maximize collective impact of NASA's 45M year investment. All science disciplines are mapped to Earth and Space Science education standards. Education technologies and digital learning avenues contribute to the collective impact and dissemination. In 2017, this program was instrumental in the 2017 Total Solar Eclipse becoming the largest engagement event in recent U.S. history. Also, there are citizen science opportunities in data analysis, problem solving, and observations. Volunteers are excited to work with NASA become a part of the ecosystem of learners and STEM professionals—all the result of a science-activated global population!