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Inspiring the Next Generation: International Space Station Education Opportunities and Accomplishments 2000-2012

By National Aeronautics and Space Administration

Createspace. Paperback. Book Condition: New. This item is printed on demand. Paperback. 238 pages. Dimensions: 11.0in. x 8.5in. x 0.5in. The International Space Station (ISS) has a unique ability to capture the imaginations of both students and teachers worldwide. For the past 12 years, the presence of humans on board the ISS has provided a foundation for numerous educational activities aimed at capturing that interest and motivating study in science, technology, engineering and mathematics (STEM). Projects such as the Amateur Radio on the International Space Station (ARISS) and Earth Knowledge Acquired by Middle School Students (EarthKAM) as well as events like Take Your Classroom Into Space (TYCIS) have allowed for global student, teacher and public access to space through student image acquisition and radio contacts with crewmembers. Educational activities are not limited to STEM, as illustrated by the Uchu Renshi project, in which a chain poem initiated by a crewmember in space is continued and completed by people on Earth. With ISS operations continuing at least until 2020, such projects and the educational materials that accompany them will be made available to more students around the world. It was recognized very early in the program that students would have a strong...



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