The Benefits and Challenges of
Education and Public Outreach Efforts Associated With Scientific Research Programs I (joint with OS, P, SA, SH, SM)

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A Science Classroom for America: Hands-on Science Education on the International Space Station Using the Distributed Mentoring Network of the National Space Grant Program.

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Our purpose is: 1) to encourage young students to get involved in, or deepen their involvement with science by using the excitement of their actual participating in space science research, 2) to provide opportunities for the citizens of the US and of other participating countries to have a closer feel ownership in their Space Station. Their involvement is at the local community level through involvement in their children’s education and their children’s school. We have established the following design guidelines: 1) Each education component will not only conform to the science standards established nationally and in the individual states, but will also link to untapped and underused curricula. To the extent possible, material will replace an existing unit, rather than being an addition. 2) We will avoid proposing new flight hardware, rather we shall design the education modules around manifested hardware, supplied by the various offices of NASA for other purposes. This will require partnering with many NASA PI’s and Project Offices. 3) There will not be new flight hardware, rather we shall design the education modules around manifested hardware, supplied by the various offices of NASA for other purposes. This will require partnering with many NASA PI’s and Project Offices. 3) There also will be many hands-on lab components.

The Education and Public Outreach (EPO) Program of the MESSENGER mission to the planet Mercury, supported by NASA Discovery Program, is a full partnership between the project’s science and education communities. Here we report the experience from the EPO community. The Challenger Center for Space Science Education (CCSSE) is a member of the National Space Grant and Fahnestock (NASA’s) Science Education (CASE) are developing sets of MESSENGER-related education modules that are specific to education levels across K-12. These modules are being disseminated through a MESSENGER EPO Website and accompanying educational materials created at local colleges and universities. The supporting educational content is from the NASA Science Internet Network (NASA-STEP). These products are designed to be used in science classrooms, with a concurrent effort to create text and video summaries for the public.

SENGER Education Modules targeting grade-specific educational opportunities provided by the institution, specialty, funding team members are active partners in each of the science and engineering teams. At the college level, internships in special fields as well as different generations to answer. It may take several lifetimes before we understand the potential for life beyond Earth. The multi-generational nature of the work driven by the NASA Astrobiology Institute’s interest in education and training. The NASA Astrobiology Institute has a long history of integrating its education and research endeavors. Criteria and examples for assessing quality educational contributions, commensurate with bureau’s unique role as the nation’s principal national sciences, and informationagy will be presented.
nature of astrobiology, by building and leading their team’s work, they become ideal candidates for communicating the broad topics of astrobiology to students of all levels. Each NA1 PI identifies unique E/PO and networking opportunities that each workshop offers, engaging the students in networking opportunities that each workshop offers, engaging the students in...