

Resources for Astronomers and Space Scientists Interested in NASA SMD Education and Public Outreach

Outreach Guides for Scientists (available online)

NASA Science Mission Directorate E/PO Workspace: Get Involved

<http://smdepo.org/node/305>

Basic information related to how scientists can find NASA SMD E/PO resources and participate in SMD E/PO opportunities, including through proposals to NASA SMD for E/PO funding, partnering with SMD E/PO community members.

Outreach Guide (from the American Physical Society)

<http://www.aps.org/programs/outreach/guide/>

Website with detailed "how-to" guides on selecting outreach programs, resources needed to and how to implement the program, success stories, and list of outreach experts.

Education and Public Outreach: A Guide for Scientists (from The Oceanography Society)

http://www.tos.org/epo_guide/

Brochure or online resources to plan and implement E/PO effectively, including types of E/PO in which scientists may engage, tips on compelling E/PO plans, characteristics of high-quality E/PO, insights on scientist-educator partnerships, communicating with various audiences, E/PO project evaluation, and case studies.

Resources for Involving Scientists in Education (from the National Academy of Sciences)

<http://www.nas.edu/rise/>

Roles and detailed information for scientists and engineers to play key roles in K-12 science education: working directly with students or teachers, helping develop instructional materials, and supporting systemic reform.

Visiting Geoscientists (from the American Geological Institute and American Association of Petroleum Geologists)

<http://www.agiweb.org/education/aapg/>

Information for geoscience professionals about implementing Earth Science E/PO especially in the K-12 environment, including how K-12 students learn best through discovery and inquiry-based science, Earth Science curricula, how to maximize your classroom time, sample outreach activities, and other resources to supplement your outreach.

NIH Science Education Nation: A Scientist's Guide to Supporting K-12 Education (from the National Institutes of Health)

<http://science.education.nih.gov/NIHSciEdNation>

Information about how US students compare globally in reading, math, science and problem solving skills, the typical K-12 school day, how to partner with teachers and schools in STEM education, advocacy, how-to guides for successful partnerships between scientists and schools.

Communicating Science: Tools for Scientists and Engineers (from the American Association for the Advancement of Science)

<http://communicatingscience.aaas.org/>

Online resources to help researchers communicate more broadly with the public, including strategies for identifying public outreach opportunities, how-to tips for media interviews, etc.

Space Science Institute Resources for Scientists in E/PO

http://www.space-science.org/education/extra/resources_scientists_cd/

Mostly archival: papers and presentations making the case for scientist involvement in E/PO, offering a "role matrix" of scientists in E/PO, guidance in E/PO program and proposal planning and product development with a NASA focus.