



NASA Science Activation Learner Resources

<https://science.nasa.gov/learners>

Organization/Project	Description & Link
WGBH (PBS Boston) - <i>Bringing the Universe to America's Classrooms</i>	<ul style="list-style-type: none"> Free online videos and lessons for teachers, all ages and grades. New modules released Aug 15th <p>https://www.pbslearningmedia.org/universe</p>
NISE (National Informal STEM Education) network	<ul style="list-style-type: none"> Develops free (with application) science kits with hands-on activities for use in museums and other informal education environments; applications for 2019 kits are due 11/1/18, apply at: http://www.nisenet.org/earthspacekit-apply Has exhibits and online workshops <p>http://www.nisenet.org</p>
American Museum of Natural History <i>Open Space Project</i>	<ul style="list-style-type: none"> Creates space visualizations and programs Partners with Planetariums and Museums <p>https://www.openspaceproject.com/</p>
Arizona State University – <i>Infiniscope</i>	<ul style="list-style-type: none"> Task-based space exploration simulation game (still in development but several modules are online, including exploration of Mars and exoplanets) Currently developing other simulations of phases of the Moon and eclipses Includes educator resources for all modules <p>https://infiniscope.org</p>
JPL – <i>Imagine Mars</i>	<ul style="list-style-type: none"> Curriculum centered around Mars, including a multi-week unit on habitation on Mars <p>https://mars.nasa.gov/imagine/index.cfm</p>
Space Telescope Science Institute – <i>Universe of Learning</i>	<ul style="list-style-type: none"> Visualization videos, exhibits, and resources focused on astrophysics Holds professional development and community programs <p>https://www.universe-of-learning.org/</p>
Northern Arizona University – <i>PLANETS</i>	<ul style="list-style-type: none"> Engineering is Everywhere curriculum; free multi-week unit plans with an engineering focus Current curricula include: Remote Sensing, Space Hazards, and Testing the Waters <p>https://www.eie.org/engineering-everywhere/curriculum-units</p>
National Institute of Aerospace – NASA eClips	<ul style="list-style-type: none"> Short, relevant educational video segments on a wide-range of topics for all grade levels <p>https://nasaclips.arc.nasa.gov/</p>
JPL – NASA's Eyes	<ul style="list-style-type: none"> Free apps for exploring Earth and our solar systems through visualizations <p>https://eyes.nasa.gov/</p>
NASA Earth Science Education Collaborative	<ul style="list-style-type: none"> Building pathways from NASA assets to a wider audience, including SMEs, science and engineering content, and participatory/experiential opportunities <p>https://www.strategies.org/products/nasa-earth-science-education-collaborative/</p>



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<p>SETI - Airborne Astronomy Ambassadors</p>	<ul style="list-style-type: none"> • SOFIA space flight research opportunity for teachers, with curriculum <p>https://www.seti.org/seti-educators/airborne-astronomy-ambassadors-program</p>
<p>AEROKATS and ROVER Education Network (AREN)</p>	<ul style="list-style-type: none"> • Partners low-cost instrumented systems with lesson plan development for experiential learning using kites, remotely-controlled aquatic, and land-based ROVERS • Integrates with GLOBE Program <p>https://www.globe.gov/web/aren-project/overview/page-name-0</p>
<p>Mission Earth: Fusing GLOBE with NASA Assets to Build Systemic Innovation in STEM Education</p>	<ul style="list-style-type: none"> • GLOBE provides students and the public with opportunities to participate in data collection and the scientific process • Provides activities and investigations about environmental science <p>https://www.globe.gov/web/mission-earth and http://www.globe.gov</p>
<p>JSC - NASA Astromaterials</p>	<ul style="list-style-type: none"> • Partners with organizations hosting events to provide NASA lunar and other world samples and science experts <p>https://ares.jsc.nasa.gov/</p>
<p>Earth to Sky Interagency Partnership</p>	<ul style="list-style-type: none"> • NASA and National Park Service coming together to hold community events and free professional development in astronomy and climate science <p>https://www.earthtosky.org/</p>
<p>STEM Enhancement in Earth Science (SEES)</p>	<ul style="list-style-type: none"> • High school intern programs and summer camps <p>http://www.tsgc.utexas.edu/sees-internship/</p>
<p>Gulf of Maine Research Institute (GMRI) – <i>Real World, Real Science</i></p>	<ul style="list-style-type: none"> • Develops 5th and 6th grade programs that use NASA data to explore relationship between weather and climate, specifically in Maine and the Northeast region <p>https://www.gmri.org/science-education/real-world-real-science</p>
<p>Northwest Earth and Space Sciences Pipeline Project</p>	<ul style="list-style-type: none"> • Hosts camps and programs in schools and tribal communities • Focuses on serving diverse communities in Pacific Northwest <p>https://nwessp.org/</p>
<p>Arctic and Earth STEM Integration of GLOBE and NASA at University of Alaska</p>	<ul style="list-style-type: none"> • Offers GLOBE workshops for educators in Alaska <p>https://sites.google.com/a/alaska.edu/arcticandearthsigns/home</p>
<p>NASA@MyLibrary</p>	<ul style="list-style-type: none"> • Creates kits and programs for partner libraries (must already be associated with the program) <p>https://www.starnetlibraries.org/</p>