

Educational Outreach

Earth Science Week

Discover the resources offered through this international event, organized by AGI each October to promote better understanding and appreciation of Earth science and encourage stewardship of the planet.

National Fossil Day

Hosted by the National Park Service in cooperation with AGI and other organizations, this annual event offers resources promoting awareness of paleontology and the nation's fascinating fossil treasures.

AAPG/AGI Geoscience Handbook

This handbook, developed cooperatively by AGI and the American Association of Petroleum Geologists (AAPG), offers ideas and resources for geoscience professionals visiting classrooms, leading student field trips, and involving student research.

Geoscientist Outreach Initiative

The GO! Initiative prepares geoscience professionals to interact with non-technical audiences, especially K-12 classrooms, through face-to-face interactions, resulting in greater appreciation and understanding of the geosciences and the geoscience professionals themselves.

Featured Member Society Programs

AGI is a federation of some 50 member societies. Many of those member societies also provide outstanding resources for teachers. Eight of those are featured below.

AAG-Esri ConnectED GeoMentors Program

The Association of American Geographers (AAG) partners with Esri to manage a nationwide volunteer network of GeoMentors. GeoMentors are knowledgeable GIS users who volunteer their time to enhance GIS and geographic learning through the implementation of ArcGIS Online in K-12 schools. Everyone from the broad GIS community is welcome to volunteer. Prior experience with ArcGIS Online is not required.

The Rock Identification Key

The Teacher Advocate Program (TAP), from the Geological Society of America (GSA), provides K-12 Earth science teachers with professional development opportunities, digital resources, and connections to attend field experiences during the summer. TAP is a source of minds-on, easy-to-use, and inexpensive resources that are made available for classroom use. Resources are developed and maintained by a distinguished Earth science teacher in residence.

Mineral Identification Key

The Mineralogical Society of America (MSA) provides an online Mineral Identification Key to help users recognize the attributes of many kinds of minerals. The site gives information about mineral properties, environments, and associations. The Mineral Identification Key website is primarily focused on the needs of collectors, including a description of how a basic mineral identification kit can be assembled.

AGU Exploration Station

Exploration Station, a free program from American Geophysical Union (AGU), provides a platform for education and outreach professionals to share activities with the public. At Exploration Station, AGU offers opportunities for participants to meet scientists, do hands-on science activities, and take home many science resources. Exploration Station is held in conjunction with the annual AGU Fall Meeting in San Francisco.

AGU Bright STaRS

Bright Students Training as Research Scientists (Bright STaRS) from the American Geophysical Union (AGU) provides a dedicated forum for middle and high school students to present research to the scientific community. Participants learn about exciting research, education, and career opportunities in the geosciences. This free program is held in conjunction with the annual AGU Fall Meeting in San Francisco.

SEG TRSA

The Society of Exploration Geophysicists (SEG) joined more than 60 STEM community members from across the state of Oklahoma, forming the Tulsa Regional STEM Alliance (TRSA) to support STEM initiatives in the Tulsa Metro area. The TRSA works to create a collaborative network that encourages communities to produce innovative pathways resulting in a highly skilled STEM workforce that is able to drive economic prosperity while meeting the needs of a globally competitive Tulsa.

GSA EarthCache

EarthCache is a program of The Geological Society of Americas (GSA). EarthCaches are part of the international treasure hunt game called geocaching. EarthCache sites take people from the wider community to places of remarkable geology and educate participants about our planet. The program also runs events, field trips, and has an online learning academy.

Mineralogy 4 Kids

Mineralogy 4 Kids is the educational outreach website of the Mineralogical Society of America (MSA). This interactive website is designed to help children of all ages learn about mineral groups, properties, and identification. Visitors to the site can also learn about the rock cycle, crystals, and minerals used in homes. Additional resources are also listed.

For more information about these and other programs, visit the Center for Geoscience and Society. There you will find databases of information about curricula, professional development, policy concerns, and much more.
