

Big Learning Science & Engineering: S&E

Register for Winter Session Now!

The theme is Earth Science



Register at: <https://biglearning.asapconnected.com/>
 Select **ALL CLASSES** along the upper menu bar and
 then use the drop down location finder to find your school.

Layers, K-1

Explore our Earth this session! Create a model of earth's core, mantle, and crust. Make a model of plate tectonics and explore volcanoes. Learn how to read tree rings and then create a mini-habitat for spiders in a hollow log. Test for porosity of a variety of materials found in Earth's crust and model sedimentary rock creation. Examine the properties of other rocks such as pumice and sandstone. Observe clouds and learn to classify them, create a model of the water cycle, and learn how fossils were made by making Your own fossil impression and bring home your own real fossil.



how soil types impact erosion. Make models of clastic and biologic sedimentary rocks and the layers of our planet earth. Observe how acid rain affects rocks and building materials. Explore plate tectonics, lava caves, stalagmites, and stalactites and bring home the start of your very own rock collection!

Wild Weather, 4-5

Life on earth is an adventure! Students learn how meteorologists measure weather phenomena and then build simple instruments for measuring wind, air pressure, temperature and other aspects of weather. They become real storm chasers and investigate the properties of Earth's "wild weather" and changes in weather patterns. They observe the effects of acid rain and toxic waste on the environment through hands on activities.



Rocky Road, 2-3

Examine minerals, geodes, sedimentary, igneous, and metamorphic rocks. Learn how streak tests, Mohs hardness measure, and solubility can help identify minerals. Test

Spring Theme: Chemistry



Class	Day of Week	Dates	Time	Tuition
Layers Grades K-1	Tuesday	Jan 9, 16, 23, 30, Feb 6, 13, 20, 27	3:30 pm – 4:30 pm	\$175 Plus \$10.50 WA PTA fee
Rocky Road Grades 2-3				
Wild Weather Grades 4-5				

All classes meet at Wood Acres Elementary School

Payment plans and scholarships are available

To sign up for a payment plan, check that option at checkout. For scholarships, call our office.

Big Learning is a non profit founded by the County PTA in 1975! science@biglearning.org 301-244-5254

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