

PERIODIC TABLE

GEORGIA STANDARDS OF EXCELLENCE:
S8P1a,e; SS1, 7, 11 and SPS1a, c; SS 1, 7, 11

8th Grade & High School



DESCRIPTION

What is an element? Have you ever wondered why elements in the same group number on the periodic table have similar chemical reactivity? Who thought up the idea of a periodic table? How did it get its name? How does it affect our everyday lives? Come answer these questions and more as we learn about the basics and the makeup of the periodic table.

FIELD TRIP - APPROXIMATELY 2 HOURS

30 MINUTES - GALLERY TIME

- Discuss Earth's crust and its elements
- Observe the periodic table and consider its organization
- Participate in a gallery wide scavenger hunt

30 MINUTES - STORE

30 MINUTES - GEM PANNING + CAREERS IN GEOLOGY

30 MINUTES - LAB

- Use manipulatives to learn more about periods, groups or families, metals, non-metals, halogens, noble gases, valence electrons, basic atomic structure, etc.

TAKE HOME ITEMS

- Keep the gemstones found in Gem Panning