What teachers are saying...

“Your hands-on/minds-on approach helped bring learning science to life...appreciated how the topics aligned with our GLCE.”
Mattawan Middle School, Mattawan, MI; 6th Grade.

“We found it rewarding to see the children share what they learned with other classmates...your outreach program is truly an asset to our school system.” Plainwell Schools, Plainwell, MI; 3rd Grade.

Thank you to our sponsors of educational programs:

The mission of the CoreKids K-12 Earth Science Outreach Program is to increase awareness and understanding of the Earth, its processes and its natural resources among Michigan’s students, teachers and citizenry. The program utilizes a mixture of presentations and hands-on activities to promote the understanding of earth science as well as to increase interest in the STEM (Science, Technology, Engineering and Math) fields especially the earth sciences among K-12 students. A basic mission of the organization is to provide programming to schools and non-profit organizations without charge. Our coverage area includes the Kalamazoo, Grand Rapids, Lansing and Detroit Metro areas.

How to contact us:

K-12 Outreach Director: Peter Voice
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And various Outreach Educators recruited from our students at WMU!

WMU-MGRRE/CoreKids
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Educational Modules

Hydraulic Fracturing
What is natural gas and how does it form? What are the benefits and uses of natural gas? Where is the Antrim Shale formation and what are its economic benefits to Michigan? How is natural gas extracted and what is hydraulic fracturing? What are the concerns related to hydraulic fracturing?

Grades: 6-12

Hydrogeology
What is the water cycle? What happens to rainwater when it falls onto land? What is an aquifer? What is porosity? What is permeability? How can aquifers get contaminated? What is the role of a hydrogeologist? How do they remove contaminants from polluted sites?

Grades: 7-12

Michigan’s Natural Resources
What is Michigan’s state stone? What can fossils tell us about past environments? How did the Great Lakes form? Why do we have underground salt deposits in Michigan? What natural resources can we obtain from rocks?

Grades: 3-12
Standards: E.ES.03.41, E.ES.03.32, E.ST.04.31, E.SE.06.12, E.ST.06.42, E.4.p3A

Natural Hazards
How do earthquakes occur? Are all earthquakes the same? Why do volcanoes erupt? What is a tsunami? How is the earth affected by meteorites from space? How are we as humans affected by these natural hazards?

Three sub-modules: Volcanoes, Earthquakes and Asteroid Impacts

Grades: 6-12
Standards: P.EN.06.11, P.EN.06.12, E.SE.06.52, P.EN.07.31, P.EN.07.33, E.3.4B, E.3.4C, E.4.3B, E.4.3C, P.3.6B, P.4.3A, P.4.3B

Ways CoreKids Can Help You