



Natural Gas: Your Invisible Friend (*Grades 3-6*)

Ohio Educational Standards

Natural Gas: Your Invisible Friend fulfills many of the Ohio Academic Content Standards for science education. These standards are met through a variety of content, including features, assessments, activities, checklists, and hands-on investigations. This activity book supports the following Content Standards and Grades K-12 Science Benchmarks.

GRADES 3-5 SCIENCE BENCHMARKS

Science and Technology

A. Describe how technology affects human life.

ACADEMIC STANDARDS

Grade Three

Life Sciences

5. Observe and explore how fossils provide evidence about animals that lived long ago and the nature of the environment at that time.

Science and Technology

2. Describe ways that using technology can have helpful and/or harmful results.
3. Investigate ways that the results of technology may affect the individual, family, and community.

Grade Four

Life Sciences

4. Observe and explore that fossils provide evidence about plants that lived long ago and the nature of the environment at that time.

Science and Technology

1. Explain how technology from different areas (e.g., transportation, communication, nutrition, healthcare, agriculture, entertainment, and manufacturing) has improved human lives.

Grade Five

Earth and Space Sciences – Earth Systems

5. Explain how the supply of many nonrenewable resources is limited and can be extended through reducing, reusing, and recycling but cannot be extended indefinitely.

Grade Six

Earth and Space Sciences – Earth Systems

1. Describe the rock cycle and explain that there are sedimentary, igneous, and metamorphic rocks that have distinct properties (e.g., color, texture) and are formed in different ways.

Physical Sciences – Nature of Energy

5. Explain that the energy found in nonrenewable resources such as fossil fuels (e.g., oil, coal, and natural gas) originally came from the sun and may renew slowly over millions of years.

8. Describe how renewable and nonrenewable energy resources can be managed (e.g., fossil fuels, trees, and water).