



Natural Gas Safety World (*Grades 4-6*)

Ohio Educational Standards

Natural Gas Safety World 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

Physical Sciences

B. Identify and describe the physical properties of matter in its various states.

Science and Technology

A. Describe how technology affects human life.

ACADEMIC STANDARDS

Grade Three

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

Physical Sciences – Nature of Matter

1. Identify characteristics of a simple physical change (e.g., heating or cooling can change water from one state to another and the change is reversible).
4. Explain that matter has different states (e.g., solid, liquid, and gas) and that each state has distinct physical properties.

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 Six

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).