

Smokey's Wildfire Prevention Detectives



Standards Alignment

The activities in this teaching kit align with National Standards in the following areas:

Science Benchmarks from Mid-continent Research for Education and Learning (McREL):

Competency [Activities 1, 3]

Standard 12. Understands the nature of scientific inquiry

Academic Proficiencies

Level III (Grade 6-8)

- Establishes relationships based on evidence and logical argument (e.g., provides causes for effects)
- Evaluates the results of scientific investigations by examining evidence
- Knows that investigations involve systematic observations and are carefully collected and relevant evidence

Environmental Education (EE) Standards and Guidelines from the North American Association for Environmental Education (NAAEE)

Competency [Activity 2]

Strand 2.1—The Earth as a Physical System

Academic Proficiencies

Grades 5-8

- A. Processes that shape the Earth—Learners have a basic understanding of most of the physical processes that shape the Earth.
- B. Changes in matter—Learners understand the properties of the substances that make up objects or materials found in the environment.

Competency [Activities 2, 3]

Strand 2.4—Environment and Society

Academic Proficiency

Grades 5-8

- A. Human/environment interactions—Learners understand that human-caused changes have consequences for the immediate environment as well as for other places and future times.

Competency [Activities 2, 3, 4]

Strand 4—Personal and Civic Responsibility

Academic Proficiency

Grades 5-8

- A. Understanding societal values and principles—Evaluate the principle of stewardship as a shared societal value.

Language Arts Standards in Anchor Standards (Science and Technical Subjects, Writing, Social Studies) from the Common Core State Standards Initiative

Competencies [Activity 2]

Key Ideas and Details

Integration of Knowledge and Ideas

Academic Proficiencies

Science and Technical Subjects

RST.6-8.1. Cite specific textual evidence to support analysis of science and technical texts.

RST.6-8.7. Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).

Competency [Activity 4]

Production and Distribution of Writing

Academic Proficiency

Writing

WHST.6-8.4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.

Competency [Activity 4]

Integration of Knowledge and Ideas

Academic Proficiency

Social Studies

RH.6-8.7. Integrate visual information (e.g., in charts, graphs, photographs, videos, or maps) with other information in print and digital texts.

Competency [Activities 2, 4]

Comprehension and Collaboration

Academic Proficiency

Speaking and Listening

SL.6-8.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on topics, texts, and issues, building on others' ideas and expressing their own clearly.

SL.6-8.5. Include multimedia components (e.g., graphics, images, music, sound) and visual displays in presentations to clarify information.