



Gold Seal Lesson

Author(s): Marsha Kucker			Lesson Title: Who is a Geologist			
Grade Span			ICLE Application Model			
K-4 XX	5-8	9-12	A	B	C XX	D

Instructional Focus:

Reading –

Students read a variety of grade level materials, applying strategies appropriate to various situations.

Writing –

Students write for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.

Listening –

Students listen for a variety of purposes appropriate to the grade level.

Speaking –

Students speak for a variety of purposes and audiences with sophistication and complexity appropriate to the grade level.

Science as Inquiry –

Students demonstrate knowledge and skills necessary to perform scientific inquiry.

Performance Task

1. As an introduction to the lesson have a discussion about what scientists do. Do they know what a scientist is? Can they give examples of things scientists do? Do scientists study animals? Do scientists learn from their senses? Do scientists notice details? Do scientists test predictions?
2. Ask students if they know what a geologist does. What does a geologist study?
3. Have several different types and sizes of rocks for the students to observe. How are they alike? How are they different? Have students predict where the rocks were found. Bring out classifying and resource books on rocks. See if students can determine which rocks they have been observing.
4. Have students draw a picture of their favorite rock and write several descriptive sentences about that rock.
5. Discuss with students why geologists study rocks and the information this provides about the earth.

This activity meets specific competencies and indicators as outlined in the National Career Development Guidelines.

ICLE Essential Skills

Apply in writing the rules and conventions of grammar, usage, punctuation, paragraphing and spelling. (ela 1)

Follow oral or written directions. (ela 4)

Identify, collect and/or select pertinent information while reading. (ela 5)

Present information in well-organized fashion that will be clear to the target audience. (ela 11)

Use brainstorming, role playing, and standard problem solving strategies to define a problem and suggest solutions. (ela 19)

ICLE Essential Skills continued...

Participate, sometimes leading, in group meetings by contributing, taking turns speaking, and working toward a common goal. (ela 20)
Summarize, synthesize and organize information while reading. (ela 24)
Use writing as a tool for learning in formats such as learning logs, laboratory reports, note taking, journals and portfolios. (ela 40)
Apply, extend, and expand on information while reading. (ela 46)
Gather information such as data, facts, ideas, concepts and generalizations from oral sources. (ela 51)

Scoring Guide:

Grading Criteria	Points (5 max)
Topic Sentence / Supporting Details	_____
Interesting Information Presented	_____
Evidence of Revision in Final Copy	_____
Spelling and Punctuation	_____
Neatness and / or Writing or Typing Skills	_____
Total Points	_____

Keywords

English Language Arts	Mathematics	Science
Reading Research	Algebra	Earth Science Rocks Scientific inquiry Earth materials
Writing Paragraphs Spelling Punctuation Grammar Vocabulary Organization	Geometry	Life Science
Communications Discussion Listening Visuals Illustration	Statistics	Chemistry
Literature	Calculus	Physics
Other	Trigonometry	Other
	Other	