



Gold Seal Lesson

Author(s): Marsha Kucker			Lesson Title: Butterflies are Free to Fly			
Grade Span			ICLE Application Model			
K-4 x	5-8	9-12	A	B x	C	D

Instructional Focus:

Basic Concepts and Knowledge – Students develop an understanding of scientific concepts using facts, theories, principles, and models.

Unifying Concepts and Processes – Students recognize patterns and processes, making connections in terms of systems and subsystems that explain the interrelationships of the natural and designed world.

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.

Performance Task

- Tell students that they are going to learn about the life cycle of a butterfly. Tell them that butterflies go through four stages of life.
 - An adult butterfly lays an egg.
 - The egg hatches into a caterpillar or larva.
 - The caterpillar forms the chrysalis or pupa.
 - The chrysalis matures into a butterfly.

Show students diagrams of these 4 stages.

- Have students draw and color a poster that shows these 4 stages. Each stage should be labeled.
- Have them write descriptive statements about each stage.

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

ICLE Essential Skills

Know that reproduction is a characteristic of all living things as a function of cell division and species survival. (s 8)
Identify and describe the levels of organization in living systems (i.e., tissues, organs, organ systems, and organisms). (s 15)
Know the characteristics, roles, and divisions of complex organisms (i.e., plants and animals). (s 30)
Plan and apply real or hypothetical models and constructions to facilitate investigation and learning and the solution to practical problems. (s 115)
Apply in writing the rules and conventions of grammar, usage, punctuation, paragraphing and spelling. (ela 1)
Follow oral or written directions. (ela 4)
Make informed judgments about the content, organization, and delivery of spoken communication. (ela 32)
Use writing as a tool for learning in formats such as learning logs, laboratory reports, note taking, journals and portfolios. (ela 40)
Organize supporting detail in logical and convincing patterns. (ela 54)
Demonstrate ability to select appropriate media for presenting information to others. (ela 67)
Retell in writing a real-life experience in sequential order. (ela 73)

Scoring Guide:

Ratings: 4 – Excellent, 3 – Good, 2 – Average, 1 – Poor, 0 – Unacceptable

Works well independently. _____

Stayed focused on task. _____

Seeks help appropriately/assumes responsibility for completing task. _____

Structure and content appropriate for grade level. _____

Spelling and punctuation appropriate for grade level. _____

Keywords

English Language Arts	Mathematics	Science
Reading	Algebra	Earth Science
Writing Spelling Penmanship Narrative Grammar	Geometry	Life Science Insects Reproduction Life cycles
Communications Listening Visuals Illustration	Statistics	Chemistry
Literature	Calculus	Physics
Other	Trigonometry	Other
	Other	