

Ecology Exploration Correlations

NATIONAL SCIENCE STANDARDS:

K-4

Science as Inquiry: A

- * Understanding about Scientific Inquiry: use different kinds of investigation, develop explanation

Life Science: C

- * The characteristics of organisms: basic needs, environment
- * Organisms and their environments: depend on plants, patterns of behavior, cause change in environment, humans and environment

Science in Personal and Social Perspectives: F

- * Changes in environments: space, conditions, and factor's affecting, natural or influenced by humans

5-8

Science as Inquiry: A

- * Abilities necessary to do Scientific Inquiry: identify questions and answer, use appropriate tools

Physical Science: B

- * Transfer of Energy: energy is property of many substances, sun is major source of energy

Life Science: C

- * Structure and Function in Living Systems: require nutrients
- * Regulation and Behavior: obtain resources, behavior to external environment
- * Population and Ecosystems: consist of individuals of species, producers, consumers, decomposers, sun as energy source and energy transfer, number of organisms ecosystem can support
- * Diversity and Adaptations of Organisms: biological adaptation enhance survival

Science and Personal and Social Perspectives: F

- * Populations, resources, and environments: overpopulation
- * Natural Hazards: human activity induce hazards

MISSOURI GRADE LEVEL EXPECTATIONS

3rd Grade:

Strand 1 Matter & Energy: 2Ca

Strand 3 Living Organisms: 1Aa

Strand 4 Ecology: 2Aa, 2Ab, 2Ac, 2Ad

4th Grade:

Strand 4 Ecology: 1Aa, 1Ab, 1Da, 2Aa, 2Ab, 2Ac, 3Db

6th Grade:

Strand 1 Matter & Energy: 2Cb

Strand 3 Living Organisms: 2Ba

Strand 4 Ecology: 1Aa, 1Ba, 1Bb, 1Bc, 1Da, 2Aa, 3Ca