

Sixth Grade – Animals All Around (07/10/09)

Vocabulary: extinction, food web, fossils, sedimentary rocks

Fifth Grade Vocabulary: ecosystem, fossils, inherited traits, metamorphosis (complete and incomplete), species

LIFE Science

2. Interdependence

GLE 0607.2.1 Examine the roles of consumers, producers, and decomposers in a biological community	✓0607.2.1 Compare and contrast the different methods used by organisms to obtain nutrition in a biological community
GLE 0607.2.2 Describe how matter and energy are transferred through an ecosystem	✓0607.2.3 Use a food web or energy pyramid to demonstrate the interdependence of organisms within a specific biome (post-visit package)

Sixth Grade – Energy in Everything (07/10/09)

Vocabulary: energy transformations, forms of energy,

Fifth Grade Vocabulary: conduction, conductor, force, insulator, kinetic energy, light reflection, magnetic field, opaque, translucent, transparent, potential energy

PHYSICAL Science

10. Energy

GLE 0607.10.1 Compare and contrast the three forms of potential energy (gravitational, elastic, and chemical potential energy)	✓0607.10.1 Compare potential and kinetic energy
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PHYSICAL Science

12. Forces in Nature

GLE 0607.12.1 Describe how simple circuits are associated with the transfer of electrical energy	
GLE 0607.12.2 Explain how simple electrical circuits can be used to determine which materials conduct electricity	✓0607.12.2 Determine a material's electrical conductivity by testing it with a simple battery / bulb circuit

Sixth Grade – Festival of Holiday Trees (07/01/09)

Vocabulary: culture, diversity

Fifth Grade Vocabulary: ethnic, traditions

Social Studies

Culture

6.1.01 Understand the diversity of human cultures	6.1.01.a Define the basic components of culture 6.1.01.c Compare how cultures differ in their use of similar environments and resources
6.1.05 Understand the role that diverse cultures and historical experiences had on the development of the world	6.1.05.a Explain and give examples of how language, literature, the arts, architecture, other artifacts, traditions, beliefs, values, behaviors contribute to the development and transmission of culture

Social Studies

Geography

6.3.01 Understand the characteristics and uses of maps	6.3.01.a Use the basic elements of maps and mapping 6.3.01.b Identify the locations of certain physical and human features and events on maps and globes
6.3.02 Know the location of places and geographic features, both physical and human	6.3.02.a Identify the location of earth's major landforms such as continents, islands, and mountain ranges, and major bodies of water such as the oceans, seas, rivers, and gulfs

Sixth Grade – Habitat Cents Museum to Go only (07/10/09)

Vocabulary: abiotic, biological community, biome, biotic, food web

Fifth Grade Vocabulary: ecosystem, environmental changes (human & nature), species

LIFE Science

2. Interdependence

GLE 0607.2.1 Examine the roles of consumers, producers, and decomposers in a biological community	✓0607.2.1 Compare and contrast the different methods used by organisms to obtain nutrition in a biological community
GLE 0607.2.2 Describe how matter and energy are transferred through an ecosystem	✓0607.2.3 Use a food web or energy pyramid to demonstrate the interdependence of organisms within a specific biome
GLE 0607.2.3 Draw conclusions from data about interactions between the biotic and abiotic elements of a particular environment	✓0607.2.2 Create a graphic organizer that illustrates how biotic and abiotic elements of an environment interact

Sixth Grade – KidsBuild KEVA – Museum to Go only (07/01/09)

Vocabulary: reflection, rotation, translation, symmetry

Fifth Grade Vocabulary: shape, above, behind, below, in front, left, rectangle, right, shape, square, triangle, under

Embedded Inquiry

GLE 0607.Inq.1 Design and conduct open-ended scientific investigations	
GLE 0607.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data	

Embedded Technology & Engineering

GLE 0607.T/E.2 Know that the engineering design process involves an ongoing series of events that incorporate design constraints, model building, testing, evaluating, modifying, and retesting	✓0607.T/E.2 Apply the engineering design process to construct a prototype that meets certain specifications
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PHYSICAL Science

10. Energy

GLE 0607.10.1 Compare and contrast the three forms of potential energy (gravitational, elastic, and chemical potential energy)	✓ 0607.10.1 Compare potential and kinetic energy
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MATH

4. Geometry and Measurement

GLE 0606.4.2 Use the concepts of translation, rotation, reflection, and symmetry to understand congruence in the plane	✓ 0606.4.7 Work with transformations in a plane and explore their meanings through drawings and manipulatives
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Sixth Grade – Rock Hounds (07/10/09)

Vocabulary: fossils, sedimentary rocks

Fifth Grade Vocabulary: chemical change, contract/expand, fossils (relative age)

Embedded Inquiry

GLE 0607.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data	
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Sixth Grade – Science Explorer (07/01/09) - 90 minutes

Vocabulary: food web, fossils,

Fifth Grade Vocabulary: fossils (relative age), kinetic energy, potential energy

Embedded Inquiry

LIFE Science

2. Interdependence

GLE 0607.2.1 Examine the roles of consumers, producers, and decomposers in a biological community	✓0607.2.3 Use a food web or energy pyramid to demonstrate the interdependence of organisms within a specific biome
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Sixth Grade – S.T.A.R. (07/10/09)

Vocabulary: eclipses (solar/lunar),
Fifth Grade Vocabulary: revolution

EARTH and SPACE Science

6. The Universe

GLE 0607.6.2 Describe the relative distance of objects in the solar system from earth	
GLE 0607.6.3 Explain how the positional relationships among the earth, moon, and sun control the length of the day, lunar cycle, and year	✓0607.6.3 Investigate how the earth, sun, and moon are responsible for a day, lunar cycle, and year
GLE 0607.6.4 Describe the different stages in the lunar cycle	✓0607.6.7 Model the positions of the earth, moon, and sun during solar and lunar eclipses
GLE 0607.6.6 Illustrate the relationship between the seasons and the earth-sun system	
GLE 0607.6.7 Describe the causes of lunar and solar eclipses	

Sixth Grade – Wetland Challenge (07/10/09) 90 minutes

Vocabulary: consumer, decomposer, energy transformations, food web, producer

Fifth Grade Vocabulary: *ecosystem, environmental changes (human & nature), photosynthesis, species*

Embedded Inquiry

GLE 0607.Inq.2 Use appropriate tools and techniques to gather, organize, analyze, and interpret data	
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LIFE Science

2. Interdependence

GLE 0607.2.1 Examine the roles of consumers, producers, and decomposers in a biological community	
	✓0607.2.3 Use a food web or energy pyramid to demonstrate the interdependence of organisms within a specific biome (post-visit package)