

SCIENCE 6TH GRADE FOURTH NINE WEEKS

Family Curriculum Guide



We are learning

- Taxonomic organization of organisms
- Kingdoms in ecosystems
- Ecosystems dependence
- Energy pyramids
- Flow of energy, nutrients, and matter in the biosphere
- Human impact on ground and surface water
- Dependence on oceans

Science Conversation Starters

- How do differing structures of animals help them survive in an environment?
- What might make one species more successful than another?
- Draw a diagram showing the flow of energy in a food web.
- What happens during watershed?
- How does runoff affect groundwater and surface water?
- What are some ways to prevent pollution?
- How do humans rely on the oceans?
- What are some of the biggest pollutants of our waterways?

Academic Vocabulary

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|------------------------|---------------------|-------------------------|-----------------------|-----------------------|
| • Asexual reproduction | • 10% rule | • Heterotroph | • Autotroph | • Secondary consumer |
| • Adaptation | • Trophic level | • Decomposition | • Carbon | • Biosphere |
| • Ecosystem | • Genetic variation | • Biomass | • Sexual reproduction | • Ground water |
| • Animalia | • Offspring | • Food chain/web | • Selective breeding | • Watershed |
| • Archaea | • Natural selection | • Genetically identical | • Domain | • Sustainability |
| • Order | • Class | • Dominant | • Bacteria | • Aquifer |
| • Kingdoms | • Taxon | • Protista | • Uniform | • Runoff |
| • Habitat | • Phylum | • Genus | • Plantae | • Percolate |
| • Energy pyramid | • Nutrient | | • Consumer | • Fertilizer |
| | | | • Energy flow | • Water table |
| | | | | • Habitat destruction |