

6th Grade Science Syllabus 2018-2019

Quarter 1

1. **Scientific Inquiry**
2. **Technology and Engineering**
 - a. Designing Experiments
 - b. Engineering Process
 - c. Choosing Tools and Procedures
 - d. Organizing Data
 - e. Drawing Conclusions: Addressing Bias and Errors Design Constraints
 - f. Prototypes Bioengineering
 - g. Intro to renewable and nonrenewable energy
3. **Resources**
 - a. Brain Pop
 - b. Science Study Jams
 - c. Flocabulary
 - d. Quizlet

Quarter 2

1. **Interdependence of Living and Nonliving Things**
 - a. Abiotic and Biotic
 - b. Food Chains
 - c. Energy Pyramids
 - d. Food Webs
 - e. Ecosystems
 - f. Biomes
 - g. Links for Biomes, Ecosystems, Food Webs, etc....

Quarter 3

1. **Earth's Atmospheric and Ocean Currents**
 - a. Convection Currents
 - b. Coriolis Effect
 - c. Prevailing Westerlies and Polar Easterlies
 - i. Trade Winds
 - d. Ocean Currents
 - i. Gulf Stream,
 - e. Weather
 - f. Weather Links
 - g. Website on Currents

Quarter 4

1. **Forms of Energy and Electricity**
 - a. Law of Conservation and Energy
 - b. Gravitational Potential Energy
 - c. Kinetic Energy
 - d. Chemical Energy
 - e. Energy Links
 - f. Example of Rube Goldberg Project
 - g. Science Standards Link