



Grade 6 Science

Grades 5 to 8 Science: A Foundation for Implementation 2000

Student Learning Outcomes Related to Sustainable Development

Cluster 3: Electricity

6-3-04 Identify dangers associated with static and current electricity, and demonstrate and describe appropriate safety precautions.

6-3-16 Identify renewable and non-renewable sources of electrical energy, and discuss advantages and disadvantages of each.

Examples: renewable sources such as hydroelectric, wind, geothermal, solar; non-renewable sources such as fossil fuels, nuclear fission...

6-3-17 Evaluate an electric device using the design process. *Examples: light bulbs, kitchen appliances...*

6-3-18 Describe factors that affect the consumption of electrical energy, and outline an action plan to reduce electrical consumption at home, at school, or in the community.

6-3-19 Describe the ways in which electricity has an impact on daily life.

Cluster 4: Exploring the Solar System

6-4-05 Describe positive and negative impacts arising from space research programs.

Examples: advantages-increased knowledge about space and medicine, the development of technologies such as orange drink crystals and pocket calculators; disadvantages-space pollution and the high cost of research projects...

6-4-08 Recognize that the Sun is the centre of the solar system and it is the source of energy for all life on Earth.

6-4-16 Identify and describe how people from various cultures, past and present, apply astronomy in daily life. *Examples: using celestial bodies to navigate; knowing when to plant crops...*