

# UNIT 2: PHYSICS

## THE CHARACTERISTICS OF ELECTRICITY

### LEARNING OBJECTIVES

- Assess some of the costs and benefits associated with the production of electrical energy from renewable and non-renewable sources, and analyse how electrical efficiencies and savings can be achieved, through both the design of technological devices and practices in the home
- Investigate, through inquiry, various aspects of electricity, including the properties of static and current electricity, and the qualitative relationships between potential difference, current, and resistance in electrical circuits
- Demonstrate an understanding of the principles of static and current electricity

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“He likes to power nap.”