

Chapter Eleven Science: Interactions of Matter and Energy Objectives

Lesson Seven

- 1) Explore the interaction of charged objects.
- 2) What are the cause and effects of static electricity?
- 3) Distinguish between material through which discharges will and will not travel.

Lesson Eight

- 1) What are the effects of different electrical pathways on the brightness of a bulb?
- 2) Describe the parts needed to make a circuit.
- 3) Compare series and parallel circuits, and open and closed circuits.

Lesson Nine

- 1) How can you vary the strength of an electromagnet?
- 2) Describe the magnetic effects of current in a wire.
- 3) What are some ways electromagnets can transform energy?

Lesson Ten

- 1) How can a current be produced?
- 2) Distinguish between sources of electric currents.
- 3) Describe household uses of electricity.