

# SCIENCE 3RD GRADE SECOND NINE WEEKS

## *Family Curriculum Guide*



### **We are learning**

- Forces that act on an object (magnetism, gravity, and push and pulls)
- Light energy
- Thermal energy
- Mechanical energy
- Patterns in temperature
- How to make predictions based on patterns
- The movement of the moon and Earth in space
- The changing of the night sky
- Objects that orbit in space

### **Science Conversation Starters**

- What are the different forms of energy?
- Identify everyday examples of energy including light, sounds, thermal, and mechanical.
- What is an example of light energy?
- What is something that might change an object's speed?
- Describe the orbits of the sun, Earth, and moon.
- Draw a picture showing the Earth, sun, and moon. Label how they move.
- Make a list of our planets in order.
- Create a diagram of the solar system.
- Have your student build a ramp system out of items around the house. Have them test the movement of a top car. Then, have them change the height of the ramp. What happened? How did mechanical energy change?

### **Academic Vocabulary**

- |                     |                  |            |             |
|---------------------|------------------|------------|-------------|
| • Energy            | • Sound energy   | • Moon     | • Satellite |
| • Height            | • Speed          | • Orbit    | • Sun       |
| • Light energy      | • System         | • Relation | • Year      |
| • Mechanical energy | • Thermal energy |            |             |