

## **Jackson Area Catholic Schools**

### **Science Academic Standards for Kindergarten**

#### **Scientific Inquiry**

- SI.K.01** The student will generate questions, conduct investigations, and develop solutions to problems through reasoning and observation.
  
- SI.K.02** The student will analyze and present findings that lead to future questions, research, and investigation.
  
- SI.K.03** The student will make purposeful observation of the natural world using the appropriate senses.
  
- SI.K.04** The student will generate questions based on observations.
  
- SI.K.05** The student will plan and conduct simple investigations.
  
- SI.K.06** The student will manipulate simple tools (ruler, meter stick, measuring cups, hand lens, thermometer, balance) that aid observation and data collection.
  
- SI.K.07** The student will make accurate measurements with appropriate units (meter, centimeter) for the measurement tool.
  
- SI.K.08** The student will construct simple charts and graphs from data and observations.

#### **Life Science**

- LS.K.01** The student will classify familiar objects as living or non-living on the basis of physical characteristics.
  
- LS.K.02** The student will identify characteristics passed from parent to young.
  
- LS.K.03** The student will identify seed/plant parts.
  
- LS.K.04** The student will identify and compare the five senses and discriminate which sense(s) would be most appropriate for a given stimulus.
  
- LS.K.05** The student will identify the positive/negative effects of humans on environment.

**Life Science (cont.)**

- LS.K.06** The student will identify health, nutrition, dental hygiene, and safety issues at home and school.
- LS.K.07** The student will identify the basic requirements to sustain life.

**Earth Science**

- ES.K.01** The student will describe major features of the earth's surface.
- ES.K.02** The student will describe characteristics of the atmosphere.
- K:ES.03** The student will describe and compare characteristics of the sun, moon, and earth.
- ES.K.04** The student will describe the importance of recycling.
- ES.K.05** The student will identify earth's materials (air, water, soil) that are used to grow plants.
- ES.K.06** The student will observe and describe selected properties of rocks and soil and sort rocks and soil in groups.

**Physical Science**

- PS.K.01** The student will identify the measurements, weight and temperature of various objects.
- PS.K.02** The student will explain how sounds are made and identify the properties of sound.
- PS.K.03** The student will differentiate between light and shadows.
- PS.K.04** The student will participate in the construction of simple machines.
- PS.K.05** The student will recognize electrical safety concerns at home and at school.
- K:PS.06** The student will describe the earth's force known as gravity.
- K:PS.07** The student will describe the position and motion of objects.