

SECOND GRADE SCIENCE CURRICULUM

The primary focus of science in the Archdiocese of Kansas City in Kansas is to develop the ability in each student to conduct scientific inquiry while acknowledging that God is present in all we think, do, and say. He is the creator of all things.

STANDARD 1: SCIENCE AS INQUIRY

As a result of the activities in grades K-2, all students will experience science as full inquiry. In the elementary grades, students begin to develop the physical and intellectual abilities of scientific inquiry with Catholic infusion.

STANDARD 2: PHYSICAL SCIENCE

As a result of the activities in grades K-2, all students will explore the world by observing and manipulating common objects and materials in their environment.

Second Grade Physical Science

Sound Energy

The student will:

1. Recognize that the gifts of music, voice, etc. are given by God and meant to be shared in community, such as at Mass.
2. Explore how sounds are made. (inquiry)
 - a. Investigate sound created when two objects connect.
3. Identify how sounds move through air. (knowledge)
 - a. ▲ Relate that vibrations and sound are a cause and effect relationship.
 - b. Experiment the different ways to make sound; present sounds and the causes.
4. Apply understandings of sound energy to everyday experiences. (application)
(Religion: Church music and church instruments: sound)
 - a. Students will use everyday items to create a musical instrument.

Key content vocabulary: sound, vibrate, pitch

Light Energy

The student will:

1. Recognize that God's energy flows through all of us.
2. Read Genesis 1:3 (Then God Said, "Let there be light," and there was light.) and John 8:12 (Jesus spoke to them saying, "I am the light of the world.")