

Sacred Heart School

Science

Kindergarten

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Kindergarten

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Science enables children to better understand and gain some control of the physical environment in which they live. By taking advantage of the child's natural curiosity of the world around them a hands-on approach of discovery and experimentation is the framework of the science program at the kindergarten level at Sacred Heart School.

Course Content:

- Earth
- Life
- Health

Objectives:

The student will:

- Name the four seasons and corresponding weather, identify the appropriate signs, dress, and activities for the seasons
- Explore how the five senses help us gain information about our environment
- Learn the explanation of how our senses work
- Be introduced to the sun, planets and stars
- Identify living vs. nonliving things
- Identify the basic needs of living things
- Explore the ways a variety of objects move and the forces that cause movement
- Identify objects that float and sink
- Observe how magnets react to iron and steel
- Identify objects that make certain sounds
- Compare land and water, and the life forms that inhabit each
- Compare pets and wild animals
- Recognize familiar pet animals and how to care for them
- Recognize animals that fly, walk, and swim and which body parts enable them to move
- Explore the life cycles of various plants
- Identify the needs of a plant
- Understand the need for proper hygiene, both at home and at school
- Gain an understanding of the importance of healthy food choices, sleep, and exercise to promote good health and grow properly
- Identify safe behaviors for riding a bike, in a car
- Learn fire safety rules at school and home

Course Materials:

- *Science, The Diamond Edition*, Scott Foresman
- Various manipulatives (i.e., Play food, Lifecycle models, puzzles, etc.)
- Live seeds and plants
- Classroom fish
- Art Materials
- Puppets
- Story books

Instructional strategies:

- Viewing/Listening/Answering
- Storytelling
- Problem Finding/Solving
- Laboratory
- Discovery
- Collaborative Learning Groups
- On-line technology through the use of an interactive white board