

Sacred Heart School
Grade 2 Course Syllabi

Science
Grade 2

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Course Description: The second grade program is a stimulating experience in which students actively engage in exploring, observing, analyzing, and understanding how their world operates, what makes things happen, and why things act as they do.

Course Content: Topics covered in the Science curriculum include a review of plants and animals, animal habitats, reptiles and dinosaurs, insects, magnets, matter, and water.

General Course Objectives:

1. Students will identify parts of plants and their life cycle.
2. Students will identify different types of animals and their habitats and describe their life cycle.
3. Students will research a dinosaur and learn about its physical characteristics and how it lived.
4. Students will learn about the physical characteristics of insects.
5. Students will understand the difference between gases, liquids, and solids.
6. Students will distinguish between magnetic and nonmagnetic objects.
7. Students will understand the progression of the water cycle and describe the varied physical properties which make earth materials useful in different ways.
8. Students will measure and compare the sizes and weights of different objects and organisms using standard and non-standard measuring tools.
9. Students will investigate forms of energy.
10. Students will describe the nutritional needs of humans including the essential components of balanced nutrition.
11. Students will investigate and understand basic types, changes, and patterns of weather.
12. Students will learn major body organs (heart, lungs, stomach, and brain).
13. Students know basic information about teeth.
14. Students know behaviors that help a person stay healthy.
15. Students know differences between helpful and not helpful medicines.
16. Students will learn to practice good health habits.

17. Students will practice behaviors that protect personal safety, distinguishing between safe and risky behaviors.
18. Students will understand affects of media on health.
19. Students will identify common causes of conflict among children.
20. Students will learn methods to cope with stress.

Course Materials: Scott Foresman Science textbook (2010), Science kit, Scholastic News

Instructional Strategies: Whole class discussion, Experiments, Group projects, Peer tutoring, Independent learning, SMART Board presentations

Assessment: Teacher observation, Class participation, Completion of projects and experiments