

Sacred Heart School

Grade 5 Course Syllabi

Science
Grade 5

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Course Description: The fifth grade science program is based on science concepts that are presented in different texts, in graphic form, and in hands-on activities.

Course Content: Topics covered in the Science curriculum include plant and animal cells, classifying plants, investigating the characteristics of animals, ecosystems, energy, electricity, and health and sex education which cover drug awareness and family life.

General Course Objectives:

Physical Science:

The student will:

- Explore energy and its characteristics.
- Investigate electricity.

Life Science:

The student will:

- Explore the characteristics of cells.
- Examine and classify plants.
- Investigate the characteristics of animals.
- Examine ecosystems.

Earth Science:

The student will:

- Identify renewable and non-renewable energy.
- Describe ways to help the environment.

Health/Wellness:

The student will:

- Communicate the value of exercise and activity for a healthy lifestyle.
- Identify changes that occur during puberty.
- Discuss and state causes and prevention of certain infectious diseases.
- Define the effects of the integrated functioning and interrelationships of the body systems.
- Analyze the risks of dependence and addiction associated with the use of alcohol, tobacco, inhalants, and other drugs on the systems of the body.
- Know how to access, evaluate, analyze, and use media-related health information.
- Define and apply ways to maintain health.
- Critically evaluate and analyze how print media, broadcast media, and Internet technology influence perceptions of health information.
- Know diverse communication skills to maintain health and safety.
- Explain how peers, family, and community groups work together to build a healthy community.

Course Materials: Textbook - Nancy Larson Science (2013), websites, D.A.R.E. instruction, Benzinger Family Life (2013)

Instructional Strategies: Whole class discussion, Experiments, Group projects, Peer tutoring, Independent learning, Use of the Scientific Method with Science Fair projects

Assessment: Teacher observation, Class participation, Completion of projects and experiments, Worksheets, Homework, Tests/Quizzes