



This brochure is intended to present an idea of the curriculum offered at this grade level. It is not representative of all subject matter covered over the course of the school year, but instead gives an idea of the major focus and themes.



Holy Family School

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SCIENCE CURRICULUM GRADES 6—8



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Holy Family School Science Curriculum for Grades 6, 7 & 8

SIXTH GRADE

In 6th grade the focus is Earth science and the students will read, learn, listen, practice, experiment, write and apply the following scientific principles through project-based learning with cross-curricular connections to math, ethics, language arts, and history:

1. Plate tectonics and Earth's structure
2. Shaping the Earth's surface (earthquakes, volcanoes, wind, rivers, etc.)
3. Heat in the Earth System
4. Energy in the Earth System
5. Ecology and the Earth System
6. Resources of the Earth (rocks, minerals, fossil fuels)
7. Scientific Method: Investigation and Experimentation (within each subtopic and science fair)



SEVENTH GRADE

In the 7th grade the focus is Life Science and the students will read, learn, listen, practice, experiment, write and apply the following scientific principles through project-based learning with cross-curricular connections to math, ethics, language arts and history:

1. cell biology (microscopes)
2. structure and function in living systems (dissection)
3. diversity of life
4. genetics
5. evolution
6. Earth and life history
7. Physical principles in living systems
8. Scientific Method: Investigation and Experimentation (within each subtopic and science fair)

EIGHTH GRADE

In the 8th grade the focus is Physical science and the students will read, learn, listen, practice, experiment, write and apply the following scientific principles through project-based learning with cross-curricular connections to math, ethics, language arts and history:

1. Motion (velocity, speed, time and applicable mathematical equations)
2. forces (gravity, friction, Newton's Laws)
3. structure of matter (atoms, elements, compounds)
4. periodic table of elements
5. chemical reactions
6. chemistry of living systems
7. density and buoyancy
8. Earth in the Solar System
9. Scientific Method: Investigation and Experimentation (within each subtopic and science fair)

