

5th – 8th Grade Science Curriculum

OVERVIEW

The science program at Word of Life is designed to encourage scientific thought and investigation as well as present scientific knowledge as it is currently held. In addition, the order in the universe is attributed to God's creative hand. Each year from grade four to grade eight, the course of study begins with a refreshing of the scientific method and its use in classical empirical science. Students use the scientific method to investigate and demonstrate the laws of science as they are learned throughout the year. Throughout each level, lessons are alternated with and include hands-on measurement and investigation, as well as demonstrations to illustrate the concept at hand.



5th Grade

The fifth grade curricula are general in scope, touching on some life science, earth science, and physical science in each year. Topics studied include land resources, properties of matter, animals, magnetism, electricity, weather, and climate in fourth grade, and plants, astronomy, ecosystems, minerals, rocks, light, and sound in fifth grade.

6th Grade

The sixth grade course of study is earth science. Topics such as weathering, erosion, deposition, earthquakes, volcanoes, plate tectonics, atmosphere, weather, and

climate are covered in depth. In addition, each sixth grade student submits a science project designed to show that child's mastery of the scientific method in an investigation of their own design.

7th Grade

Life science is the course of study for seventh grade students. The year includes a look into what makes living things different from other matter. Students then learn about viruses, cells, heredity, and classification of living things. In the middle of the year, time is taken to study the core ideas of the evolution and creation models of origins. Afterward, the remainder of the year

is spent on the kingdoms and major phyla of living things. Human physiology is covered with the health curriculum.

8th Grade

The eighth grade course of study is physical science, in which physics and chemistry are presented. The course begins with units on Newtonian physics, energy, and simple machines before moving into basic chemistry. Units on classification and states of matter, atomic structure and the Periodic Table of the Elements, chemical bonding, organic compounds, and chemical reactions complete the course of study.

OUR MISSION: Word of Life Lutheran School is committed to providing a high quality educational program in an environment where Christ prevails, where a child's human and spiritual needs are met, and where love, dignity and professional accountability are valued promoted and implemented.