JUNIOR HIGH CURRICULUM

Science 7 The required course for Junior High students is an overview of the biosphere to include varieties of life, conditions for life, and life-sustaining processes of all living things from single-cell organisms to the human body. Students will work on research for a science-based project in the spring. Students will participate in hands-on STEM related activities throughout the year.

Science 7 Honors This required course is a combination of both Life and Earth Sciences. The Life Science portion is an overview of the varieties of life and life-sustaining processes of all living things from single-cell organisms to the human body. Major topics of the Earth Science portion includes mapping, meteorology, and astronomy. Students in Science 7 Honors will develop scientific research skills by participating in the Holy Savior Menard Science Fair; winners will participate in the regional and state fairs. Students will participate in hands-on STEM related activities throughout the year. This course is designed for students who will schedule Physical Science Honors as an eighth grader. *(Prerequisites: No grade lower than a B in previous science courses and/or qualifying standardized test scores.)*

Science 8 This course is based upon the geology of the earth including mapping, matter, minerals, fossils and changes that occur in the earth. It also includes other topics that describe the earth as a planet such as weather, erosion, and environment.

Physical Science Honors (8th Grade) With more emphasis being placed on mathematics, Physical Science Honors includes a general study of the principles of basic chemistry and physics. Chemistry topics include physical and chemical properties and changes, classification of the elements along with the study of The Periodic Table of the Elements, atoms and chemical bonding, balancing equations, and acids and bases. Physics topics include speed, velocity, acceleration, work, power, mechanical advantage, efficiency, and energy. Interactive classroom experiences and challenging laboratory work are integral parts of this course. *Prerequisites: No grade lower than a B in previous science honors or math honors courses and/or qualifying standardized test scores. Corequisite: Enrollment in Algebra I Honors.*