

**Middle School Science
2019-2020**

Science in the Diocesan Curriculum Standards for middle school states states:
6-8 Sci. 1 The student will display a deep sense of wonder and delight about the natural universe and share how the beauty and goodness of God is reflected in nature.

At St. Mary's middle school, science is an inquiry-based, hands-on learning experience. The students will approach science through questioning, exploration, research and demonstration. Classes consist of questioning, eliciting a previous knowledge base, planning for discovery and labs. Students will be assessed on participation (having all required tools, e.g. notebook, writing utensils), lab work, subsequent lab report, tests, quizzes, vocabulary work, and projects.

All students will participate in STEM activities six to eight times per trimester.

Science Grade:

Participation includes note taking, essential tools and vocabulary work	20%
Labs and Lab reports	40%
Quizzes, tests and projects	40%

Grade 5 Science is an integrated science in which the students spend equal time exploring life, earth, physical and engineering sciences. The fifth grade Curriculum Standard states:
5. Sci 5 : The student will describe how science should always be at the service of humanity and ultimately, to God, in harmony with His purpose.

Grade 6 Science is an integrated approach to science with emphasis given to Earth Science, emphasis given to the Great Lakes water science and the field trip on the G.V.S.U. research vessel in the spring.

Grade 7 Science explores all the sciences with an emphasis in the Life Sciences, especially cell biology, genetics and DNA, recognizing that the human soul is specifically created by God for each human being.

Grade 8 Science is an in depth review of all the sciences with a focus on an introduction to basic chemistry. Eighth grade science culminates with an end of the year crime scene unit that reviews all the sciences covered in middle school.



