



All students are required to take a science course. Students will be identified as G/T based upon grades in previous science classes, teacher recommendations, and parent recommendations.

Investigations in Science 6

IS6 is a problem/project based curriculum. Instruction is interwoven around a relevant problem/project to allow a focus for student learning. Students engage in minds-on inquiry and hands-on explorations, productive discourse and purposeful reading and writing. Units studied in IS 6 center around topics related to ecosystems, diversity and adaptation of organisms, forces and motion, energy, and light and sound. Students engage in science, technology, engineering and mathematics (STEM) in order to propose solutions to identified problems.

Investigations in Science 7

Like IS6, IS7 is a problem/project based curriculum. Instruction is interwoven around a relevant problem/project to allow a focus for student learning. Students engage in minds-on inquiry and hands-on explorations, productive discourse and purposeful reading and writing. Units studied in IS 7 center around topics related to biochemistry, genetics, structure and function and biotechnology. Students engage in science, technology, engineering and mathematics (STEM) in order to propose solutions to identified problems.

Science - Grade 8 (Full Year)

This course is an organized study of selected problems in the physical and earth sciences. Phenomena are demonstrated and the results are analyzed and examined. Unit topics are: *atmospheric phenomena, introduction to chemistry, earth's structure, earth's history, and scientific problem solving*. Students are also engaged in performance-based activities along with additional readings from expository texts.

Science Grade 8 – Gifted and Talented (Full Year)

The objectives in G/T science will be the same as those in the Science 8 curriculum. Students are homogeneously grouped. Students identified as G/T will receive instruction that will draw on higher order thinking skills, which will include in-depth analysis, synthesis and evaluation. The differentiated instruction may include using higher level reading texts, alternative assessments, and research projects.