

Course Title	Course Description
Science 6	Science 6 focuses on the scientific fields of life, earth, and physical science and how they are connected to each other. Students will experience hands-on labs and learn about the scientific process.
Science 7	Physical science is an exploration into chemistry and physics. Topics covered in chemistry include: matter and how it changes, atoms, elements, periodic table and trends, and chemical reactions. Physics topics that are covered include: motion, forces, work, machines, energy and how it changes, electricity and magnetism.
Science 8	This course will work with resources and materials that emphasize the importance of earth science in our daily lives. Students will complete one inquiry-based project as part of the course that will teach them to use the testable knowledge base and analytical, problem solving skills that define science. All Earth Science students will have the opportunity to complete an independent research project and participate in the middle school science fair.
Earth Science 9	The Earth Science course will provide opportunities for students to develop and communicate an understanding of earth science and chemistry through lab-based activities, mathematical expressions, and concept exploration. Earth Science topics covered include Earth Systems, Astronomy, Oceanography, Climate/Weather, Rocks and Rocks Cycle. Chemistry topics covered include, States of Matter, Acids/Base, Types of Reactions and Periodic Trends. This course will prepare students for higher-level science learning.
Biology 10	This course uses a cooperative approach in biology. Students will identify variables, apply the scientific method to evaluate lab results, and use data and evidence to back up their conclusions. Students will be responsible for keeping an organized notebook of their work and for completing lab reports. Topics of study include: biochemistry, cell biology, photosynthesis and cellular respiration, cell division, DNA and protein synthesis, genetics, evolution and ecology.
Chemistry 11	This introductory course examines the nature of matter and the changes the matter undergoes. Topics include: atomic structure, periodic trends, quantum mechanics, chemical bonding, naming compounds, moles and stoichiometry, reaction equations, states of matter, and acids and bases. Labs and activities are incorporated to further investigate concepts, to give students opportunities to back up conclusions with evidence and data, as well as to develop critical thinking skills.