

NEW COURSES ANNOUNCED FOR 2019-2020 YEAR

Life Science: Grade 7

Beginning next fall, the required 7th grade science class will be Life Science. The course will begin with a thorough, step-by-step breakdown of the scientific method, learning to design, carry out, and evaluate an experiment. The rest of the year will address the principles of Life Science, understanding the uniqueness of all living things and the environment that surrounds them.

Chemistry II: Grades 11-12

This class will review basic chemistry principles and will explore chemical reactions, processes, and phenomena to help prepare students for college level courses. Topics covered will include energy, modern atomic theory, chemical bonding, the properties of gases, liquids, and solids, acid-base chemistry, equilibrium, and oxidation-reduction reactions. Laboratory experiments will be performed to see chemistry in action. If time permits, nuclear energy, organic chemistry, and biochemistry will be introduced.

Prerequisites: Algebra II, Geometry, Biology, Chemistry

Earth and Space: Grades 9-12

Next year's study of astronomy will be combined with high school level earth science. The class will explore the Earth and all its facets: history, activities, and properties of its interior, surface, and atmosphere. They will study the sun and the solar system, planetary orbits, and unique qualities of each planet, and develop their understanding of the fascinating discoveries concerning our universe, and the scientists who made them. Through this course, students will come to appreciate how the beauty and order of the universe points towards the Divine Creator.

Faith and Finance: Grades 11-12

The purpose of this class is to equip students with the necessary knowledge and practical skills to live a well-ordered life as a Catholic in a secular society. The first semester will begin with a study of the "New Evangelization" of St. John Paul II, found in *Redemptoris Missio*. The remaining 14 weeks will be devoted to practical money management and job-related skills. The second semester will focus on studying the basic principles of a just society, on strengthening each student's spiritual life, and on applying these principles – with the missionary spirit of a renewed spiritual life-- to develop a student-led Apostolic/New Evangelization project that seeks to solve current social problems in our local community and/or in the world.

French III: Pre-requisites French I & II

More advanced study in grammar, vocabulary, culture, conversation and literature.