

1666 Robotics

Category: Science **Grade:** 9-12 **No. of trimesters:** 3 **Credits:** 1

The purpose of the Robotics course is to provide students with an engaging project based curriculum that has a foundation in science, technology, engineering, and mathematics (STEM). Classroom activities and experiences will enable the students to reach their full potential and develop the knowledge and skills that are vital to their success in an increasingly demanding and challenging age. Students will follow the basic engineering and design process in which they can use mathematics and science concepts in real-world applications. The students will hone their problem solving and leadership skills while planning, designing, building and competing in a cooperative group setting that is overshadowed by a motivating, competitive state robotics competition. **No prerequisite required.**

1909 Thomas College Environmental Science

Category: Elective **Grade:** 11-12 **No. of trimesters:** 3 **Credits:** 1

PREREQUISITE: CUMULATIVE AVERAGE OF 85 OR GREATER. This Thomas College dual enrollment course focuses on the themes of sustainability and balance within living systems. Topics covered include population, land use, energy policies, resource depletion, climate change and the role of humans in the biosphere. Successful completion of this course will qualify students to earn 3 college credits granted through Thomas College.

SOCIAL STUDIES

0411 Global Studies 1

Category: Social Studies **Grade:** 9 **No. of trimesters:** 3 **Credits:** 1

This course will examine the history and culture of the earliest peoples and events, with focus on the ancient civilizations of Egypt, India, the Middle East, and China; the classical civilizations which include Greece and Rome; the Middle Ages; the Renaissance and Reformation; Byzantine and Islamic Civilizations; the Age of Absolute Monarchs (1500-1795); and the revolutions of expansion, science, colonial America, and France. Special emphasis is placed on events and people that have significantly affected the human and physical geography of the world. Students will work on projects, complete research, write essays, participate in discussions, do outside reading, and complete a research paper. Current events and their connections to the past, as well as geography, are also an integral part of this class. This course is geared to students planning to attend a two or four year college.

0412 Honors Global Studies 1

Category: Social Studies **Grade:** 9 **No. of trimesters:** 3 **Credits:** 1

This course will examine the history and culture of the earliest peoples and events, with focus on the ancient civilizations of Egypt, India, the Middle East, and China; the classical civilizations which include Greece and Rome; the Middle Ages; the Renaissance and Reformation; Byzantine and Islamic Civilizations; the Age of Absolute Monarchs (1500-1795); and the revolutions of expansion, science, colonial America, and France. Special emphasis is placed on events and people that have significantly affected the human and physical geography of the world. Students will work on projects, complete research, write essays, participate in discussions, do outside reading, and complete research papers. Current events and their connections to the past, as well as geography, are also an integral part of this class. This course is geared to students preparing for AP level courses and/or highly competitive four-year colleges. Therefore, courses at the honors level are designed for students with high level reading and writing proficiency.