

# Explorations in Robotics

## Elective Proposal

½ Credit | Computer Science

**Overview:** In this half year course students will design robotic vehicles to compete in various classroom challenges. An emphasis will be placed on iterative engineering in both the physical design of student robots, and the software that governs their movement. This hands-on course will expose students to engineering principles and programming in Python. Students may follow this course with Robotics, Explorations in Programming, or Computer Science I.

**Prerequisites:** None

**Other Notes:** We are currently offering Explorations in Computer Science as a full year course. This course is being replaced by two ½ credit courses (Explorations in Programming & Explorations in Robotics). We will need to remove Explorations in Computer Science from our course listings. For additional context I have included the proposed course progression of AHS Computer Science courses below. Note that CSII and Intro to A.I. are courses to be proposed for future school years.

