

Robotics 1-2

Grade Levels: 9th - 12th

Prerequisites: None

Course Numbers: 1626RA1, 1626RA2

Course Description: Students who enjoy working with their hands and solving technology problems love this class. No experience needed. Experts are also welcome. Learn to build robots and play with hardware and software. We use a very easy lego language to write software. We have 30 complete lego kits, each with 544 parts and their own controller. Students are given a lot of time for robot projects they create from their own ideas or from hundreds of videos and designs on the internet. Robotics is a career that pays very well, remains in high demand, and allows a lot of career choices. Every industry in the world needs people to understand hardware. Even devices that don't move much (refrigerators, heaters, cameras) are considered part of robotics.

Student Workload: No homework. There is group work but this class is graded on individual work.

Web links with a gallery of robot videos and career information:

<http://www.digitalfhs.com>

Credit Type: CTE/Elective