

2182 COMPUTER DESIGN & ROBOTICS

Grade Level: 10, 11, 12

Credit: 1/2

Fees: \$5.00

Prerequisites: Geometry and one of the following: Keyboarding/Formatting or pass the Keyboarding proficiency test. (The Keyboarding proficiency test will be given in March. See the counselor for details.)

Computer Concepts is a multi-faceted class that incorporates technology. Students will learn how to use the scanner, digital camera, video/digital camera, HTML and RCX programming languages and a CAD program. Students will use these skills learned in two different units. The first unit will be a Lego® Mindstorms robotic unit. Students will program, build and record the progress of robotics to solve a particular situation under given constraints. The second unit will be that of constructing a web page using HTML programming language.

1 Week: Digital Camera, Scanner, Video/Digital Camera

9 Week Unit: RoboLab

8 Week Unit: Web Page