



## TEJ 20

### Computer Technology, Grade 10

Teacher	Mr. Roller gordon.roller@ocdsb.ca Room 266, Computer/Engineering Lab
Required Materials	Binder, lined paper, pen / pencil
Course Enhancement Fee	<b>Total \$41.99 + tax</b> (This covers the purchase of an electronics kit that will be used extensively throughout the course and into grade 11 and 12)

#### Course Profile

This course introduces students to computer systems and the control of external devices. Students will develop knowledge and skills in computer hardware, circuit analysis, programming, and networks, and will build systems that use computer programs and interfaces to control and/or respond to external devices such as temperature sensors, buttons, LEDs, motors, and buzzers. Students will disassemble and reassemble computers and small networks by installing and configuring appropriate hardware and software. Students will also develop an awareness of related environmental and societal issues, and will learn about secondary and postsecondary pathways and career opportunities in computer technology.

**Prerequisite:** None.



Circuits/Resistor Test	✓												
Parallel/Series Resistor Lab					✓								
Arduino Mini Assignments			✓		✓			✓					
Breadboard Game Culminating Task			✓		✓			✓					
Network Mini Assignments		✓				✓							
Network Unit Test		✓											

When assigning new work, the evaluation rubric is provided at that time. Google Classroom is used extensively to assign and track various assignments.