



TEJ 4M

Computer Engineering Technology, Grade 12

Teacher	Mr. Roller gordon.roller@ocdsb.ca Room 266, Computer/Engineering Lab
Required Materials	Binder, lined paper, pen / pencil, laptop* * Recommended
Course Enhancement Fee	No Fee (but materials for student projects may need to be purchased depending on project selection and can be costly)

Course Profile

This course extends students' understanding of computer systems and computer interfacing with external devices. Students will develop an understanding of internal buses, storage devices, electronic circuits, control systems, and network addressing/routing. They will learn to build computer systems and connection media to specific requirements, using appropriate procedures, tools and equipment. The student will learn to maintain and troubleshoot computer hardware and software. They will demonstrate an understanding of programming concepts, and create programs that interact with external devices. Students will examine related environmental and societal issues, and will explore postsecondary pathways leading to careers in computer technology.

Prerequisite: Introduction to Computer Engineering, Grade 11, University/College Preparation. Also note that you **must** be enrolled in Manufacturing Engineering and/or Computer Engineering for consideration to the school's First Robotics team.

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