

Henry Street High School

TCJ 201

Construction Engineering Technology, Grade 10, University Preparation

COURSE OUTLINE

COURSE DESCRIPTION

This course introduces students to building materials and processes through opportunities to design and build various construction projects. Students will learn to create and read working drawings; become familiar with common construction materials, components, and processes; and perform a variety of fabrication, assembly, and finishing operations. They will use a variety of hand and power tools and apply knowledge of imperial and metric systems of measurement, as appropriate. Students will develop an awareness of environmental and societal issues related to construction technology, and will explore secondary and postsecondary pathways leading to careers in the industry.

UNITS OF STUDY

UNIT 1 – Machine and Shop Safety

UNIT 2 – Project #1

UNIT 3 – Wood Technology

UNIT 4 – Project #2

ASSESSMENT AND EVALUATION

- ❖ **FORMATIVE 70%**
 - Participation/logsheets
 - Assignments/notebook
 - Weekly projects/tasks
- ❖ **SUMMATIVE 30%**
 - Teacher observation of hands-on skills while student completing a performance task
 - Final Exam

OTHER INFORMATION

General Notes:

- ❖ Each student will be responsible for:
- ❖ Their own proper closed toe foot wear
- ❖ Their own notebook
- ❖ Safety glasses are a must and have to be worn at all times. (we supply glasses, however we suggest students supply their own)
- ❖ Textbooks will be supplied by teacher but **CANNOT** leave the classroom
- ❖ Following all safety rules at all times and working in a positive manner