

Course Outline: Manufacturing Technology, Grade 11

Teacher: Mackenzie

Credit Value: 1.0

Course Code: TMJ 3E1

Course Description:

This hands-on, project-based course is designed for students planning to enter an occupation or apprenticeship directly after graduation. Students will work on a variety of projects, developing knowledge and skills in design, fabrication, problem solving and using tools and equipment. In addition, students may have the opportunity to acquire industry-standard certification and training. Students will develop an awareness of environmental and societal issues related to manufacturing trades and will learn about secondary school pathways that lead to careers in the industry.

Curriculum Strands:	Units of Study:
Health and Safety	Unit 1: Math, safety and hand tools
Mathematics, Science and Technological literacy	Unit 2: Portable power tools
Selection and use of Tools and Equipment	Unit 3: Design and problem solving
Technical Drawings	Unit 4: Careers and pathways
Career Opportunities	

Assessment & Evaluation:

Term Work:	70%	Final Summative:	30%
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Within each Curriculum Strand, the following Achievement Chart Categories will be used for individual evaluations: Knowledge/Understanding, Thinking/Inquiry, Communication, Application

Learning Skills and Work Habits: The following Learning Skills and Work Habits are evaluated regularly using a scale of Excellent, Good, Satisfactory or Needs Improvement:

- Responsibility
- Organization
- Independent Work
- Collaboration
- Initiative
- Self-Regulation

Growing Success: Students will be assessed through a combination of conversation, observation, and product. Success criteria, exemplars and ongoing descriptive feedback will be used to support student learning. Assessment will be varied in nature, and administered over a period of time to provide multiple opportunities for students to demonstrate the full range of their learning. The final grade should reflect the student's most consistent level of achievement, with special consideration given to more recent evidence. (*Growing Success, 2010*)

Teaching Strategies: A variety of teaching and learning strategies will be incorporated throughout the course.