

**Course:** Mathematics 11 Workplace

**Course Format:** Online

**Credits:** 4

**Description:** The goal of this course is to provide students with the mathematical understandings and critical-thinking skills identified for entry into the majority of trades and for direct entry into the work force.

Content Learning Standards:

- Number: financial literacy: investments and loans; personal budgeting and planning for significant life purchases
- Computational Fluency: puzzles and games for computational fluency; linear relationships; slope as a rate of change
- Patterning
- Geometry and Measurement: 3D objects (views and scale diagrams)
- Data and Probability: how statistics are used in a contextualized situation
- Focus on problem solving
- Financial literacy: regardless of the course selections made by students, there is a common experience in Mathematics that includes financial literacy
- First Peoples perspectives are reflected throughout the learning standards

Curricular Competency Development Learning Standards:

- Reasoning and modelling
- Understanding and solving
- Communicating and representing
- Connecting and reflecting

After successful completion of Workplace Mathematics 11 students can choose to take Apprenticeship Mathematics 12 to continue to develop the conceptual knowledge and skill set that will be useful for them moving forward to some postsecondary institutions focusing on trades and/or directly into the workforce.

**Recommended Prerequisite:** Mathematics 10 Workplace

**Resources:** Online course materials are provided. Personal computer and internet connection are required (not supplied by SAIL). Please note: online course platform is not fully compatible with tablets or smartphones.

