

**Course:** Apprenticeship Mathematics 12

**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:**

- Financial literacy: investments and loans; personal budgeting,
- planning for significant life purchases and owning a small business
- Computational Fluency: puzzles and games for computational fluency; linear
- relationships; slope as a rate of change
- Number: Measuring and Limits to Measurements
- Geometry: 2D and 3D objects: Surface area, Volume, views and scale diagrams
- Trigonometry and Similar Triangles: in contextual situations
- 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 Mathematics Apprenticeship 12 students can choose to move forward to their post-secondary studies or a workplace to continue to develop the conceptual knowledge and skill set that will be useful for them moving forward.

**Recommended Prerequisite:** Mathematics 11 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.

