

# Year 10 Maths (Learning Support)

## Semester 1 Course Outline

This semester students review four operations, fractions, decimals, percentages and integers. They solve algebraic equations and find the value of unknown pronumerals. Ratio and rates will be used to understand expand the awareness of financial literacy and students will prepare simple financial plans. Students will explore the relationship between mass, volume and capacity and do unit conversions.

### Learning Outcomes

Students will be assessed on the following Learning Outcomes:

- 7.266 - Solve problems involving the comparison, addition and subtraction of integers
- 6.244 - Solve problems involving the multiplication and division of integers
- 7.269 - Compare the cost of items to make financial decisions
- 7.286 - Use data sets to calculate range, mean, mode
- 7.268 - Solve problems using fractions, decimals, and percentages
- 6.254 - Name and measure angles and solve numerical problems involving angles
- 7.273 - Describe two- and three-dimensional objects
- 6.253 - Identify symmetry and transformation and use this knowledge to solve problems
- 7.282 - Use formulas to calculate perimeter and area
- 8.305 - Determine and assign probabilities to possible outcomes of simple experiments
- 8.294 - Understand analog and digital representations of time and perform conversions between the systems

### Assessment Tasks

Students will be assessed on their participation and completion of classwork and assessment tasks.

Task	Week Due*
The four operations	Term 1, Week 3
Fractions, decimals, and percentages	Term 1, Week 7
Algebra and Equations	Term 1, Week 10
Money and Financial Maths	Term 2, Week 3
Units of measurements	Term 2, Week 5

\*Due dates are an estimate only

**Teacher:** Wayne Smith

**Executive Teacher:** Wayne Smith