



Scope and Sequence: Year 8 Mathematics

Unit	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
Time/ Duration	Term 1 Week 1-3	Term 1 Week 4-7	Term 1 Week 8-10	Term 2 Week 1-3	Term 2 Week 4-6	Term 2 Week 7-10
Name of Unit	Percentages	Measurement	Rates and Ratio	Pythagoras Theorem	Geometry	Volume Mass and Time
Concepts	Convert fractions and decimals to percentages. Discounts, profit, loss	Circumference and area of a circle	Simplify ratio, divide quantities in a ratio. Rates.	Pythagoras Theorem to find sides of right angled triangles and areas of composite figures	Types of angles formed by a transversal cutting parallel lines	Volume of prisms Units of measurement Conversion Analogue and digital time including 24 hour clock.
In class activities and Homework	Exercises, use of Mathematics,	Exercises, use of Mathematics,	Exercises, use of Mathematics,	Exercises, use of Mathematics,	Exercises, use of Mathematics,	Exercises, use of Mathematics,
Assessments						
Learning Areas	Perform operations with percentages. Calculate discounts, profit and loss	Find the circumference and area of a circle and solving practical problems	Use ratio and rates to solve problems	Apply Pythagoras Theorem to finding sides of right angled triangles and areas of composite figures	Identify angles formed by the intersection of lines	Find volume of prisms Performs calculations with time
Reporting Stems	Measurement Number Patterns and Algebra Data					

Scope and Sequence: (Year 8/ Mathematics)

Unit	Unit 7	Unit 8	Unit 9	Unit 10	Unit 11	Unit 12
Time/ Duration	Term 3 Week 1-4	Term 3 Week 5-7	Term 3 Week 8-10	Term 4 Week 1-3	Term 4 Week 4-6	Term 4 Week 7-9
Name of Unit	Algebraic Techniques	Statistics	Linear Equations	Graphs, Tables and Charts; Spreadsheets	Probability	Graphing Relations
Concepts	Like terms, operations with pronumerals.	Mean, mode, median and range.	Linear equations which involve up to 3 steps	Sector, conversion, line, step and divided bar graphs. Frequency histogram and polygon.	Probability of simple events. Complementary events	Linear relationships on a number plane
In class activities and Homework	Exercises, use of Mathletics,	Exercises, use of Mathletics	Exercises, use of Mathletics,	Exercises, use of Mathletics, set up survey.	Exercises, use of Mathletics,	Exercises, use of Mathletics,
Assessments						
Learning Areas	Simplify, expand and factorise simple algebraic expressions	Analyse data using mean, mode, median and range	Solve linear equations which involve up to 3 steps	Construct, read and interpret graphs, tables and charts and statistical data.	Determine probability of simple events. Solve simple problems and recognise complementary events	Graphs and interprets linear relationships on a number plane
Reporting Stems						

<p><u>Mathletics Quizzes (30%)</u> Mathletics Quiz 1 Mathletics Quiz 2 Mathletics Quiz 3 (Semester 1 Reports) Mathletics Quiz 4 Mathletics Quiz 5 Mathletics Quiz 6 Mathletics Quiz 7 Mathletics Quiz 8 (Semester 2 Reports)</p>	
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