Varsity College
Year 8 Mathematics 2025

Term 1

Week	Date	Topics	Assessment
1	**27-31 January** O-Week Australia Day: Monday	• O Week	
2	**3-7 February**	**Number** • Use the four mathematical operations to solve problems with positive integers • Use the four mathematical operations to solve problems with negative integers • Use order of operations to solve problems with integers	
3	**10-14 February** Swimming Carnival: Tuesday	**Percentages** • Convert between fractions, decimals and percentages • Calculate the percentage of a quantity • Use percentages to increase quantities and apply to financial contexts	
4	**17-21 February**	• Use percentages to decrease quantities and apply to financial contexts • Calculate profit and loss • Calculate simple interest	
5	**24-28 February**	**Congruence** • Identify congruent shapes and the corresponding parts • Investigate the conditions for congruence to prove two triangles are congruent	
6	**3-7 March** GC25: Wednesday	• Recall the geometric properties and rules between parallel lines and transversals	
7	**10-14 March**	Revision	
8	**17-21 March**	Exam	**EXAM Lesson 2**
9	**24-28 March**	**Algebra** • Recall the language of algebra and develop expressions • Understand the link between expressions and equations and recall one-step equations • Apply one-step equations to rearrange common formulae	
10	**31 March - 4 April**	• Simplify algebraic expressions involving addition and subtraction • Simplify algebraic expressions involving multiplication and division	
		School holidays: Friday April 4 - Sunday April 19	

Term 2

Week	Date	Topics	Assessment
1	**21-25 April** Easter Monday ANZAC Day: Friday	**Algebra Continued** • Simplify algebraic expressions involving a combination of mathematical operations	
2	**28 April-2 May** GC25: Tuesday	• Apply Distributive Law to expand algebraic expressions • Factorise algebraic expressions and demonstrate the relationship between expanding and factorising	
3	**5-9 May** Labour Day: Monday	**Index Laws** • Use expanded form to establish the connection to index form and apply to index laws • Apply index laws individually and in combination using integers and variables	
4	**12-16 May**	• Apply index laws individually and in combination using integers and variables continued	
5	**19-23 May**	**Pythagoras' Theorem** • Investigate Pythagoras' Theorem and the relationship between the squares of side lengths • Identify the sides of a right-angled triangle in relation to Pythagoras' Theorem • Use Pythagoras' Theorem to calculate the length of the hypotenuse	
6	**26-30 May**	• Use Pythagoras' Theorem to calculate the length of the shorter sides • Apply Pythagoras' Theorem to practical problems	
7	**2-6 June** GC25: Wednesday	Revision	
8	**9-13 June** GC25: Wednesday	Revision and Exam	**EXAM Lesson 2**
9	**16-20 June**	**Probability** • Recall language of probability and compare theoretical and experimental probability • Compare theoretical and experimental probability • Use the sum of probabilities to calculate complementary events	
10	**23-27 June**	• Calculate the probability of multiple events • Construct and use two-way tables to calculate the probabilities of events • Construct and use Venn diagrams to calculate probabilities of events	
	School holidays: Saturday June 28 - Sunday July 13		