Varsity College
Year 7 Mathematics – Semester 1, 2024

Week	Date	Topics	Assessment
1	**22-26 January** O-Week Australia Day PH Fri	• O Week	
2	**29 Jan-2 Feb**	• Define prime and composite numbers • Understand that composite numbers are made up of factors • Determine the highest common factor • Construct factor trees and express number as a product of its prime factors	
3	**5-9 February** Swimming Carnival - Thurs	• Determine and understand square numbers, square roots of numbers including the use of a scientific calculator • Investigate patterns with square numbers • Investigate the powers of 10 using exponents • Represent natural numbers in expanded form and understand the connection between place value and expanded form	
4	**12-16 February**	• Use of signs to represent integers (+ and -) • Ordering integers on a number line • Using less than and greater than notation to compare integers • Addition and subtraction of integers using a number line	
5	**19-23 February**	• Place decimals on a number line • Place fractions on a number line • Convert decimals, fractions and percentages	
6	**26 Feb-1 Mar** GC24 - Wednesday	• Equivalent fractions • Simplifying fractions using HCF • Ordering fractions	
7	**4-8 March**	• Revision	**EXAM Lesson 2**
8	**11-15 March** NAPLAN	• Identify types of triangles according to their side and angle properties • Constructing flow charts to classify triangles	
9	**18-22 March** NAPLAN GC24 - Thursday	• Identify types of quadrilaterals according to their properties • Constructing flow charts to classify quadrilaterals • Classify polygons using a flow chart	
10	**25-29 March** Y7 Team Day - Wed, Thurs Good Friday PH	• Understand the relationship between the radius, diameter and circumference • Investigate the significance of π when used to determine circumference (approximately 3)	
School holidays: Friday March 29 - Sunday April 14			

Term 2, 2024

Week	Date	Topics	Assessment
1	**15-19 April** **Cross Country – Wed**	• Investigate area of rectangle, triangle and parallelogram	
2	**22-26 April** **GC24 - Tuesday** **Anzac Day PH - Thurs**	• Application of area formulae • Rounding decimals and approximations (in context)	
3	**29 Apr-3 May**	• Construct shapes using nets • Identify cubes, rectangular prism, triangular prism and pyramid	
4	**6-10 May** **Labour Day PH - Mon**	• Investigate the volume of a rectangular prism • Use the parallel cross-section (base) to calculate the volume of a rectangular prism • Investigate the volume of a triangular prism • Use the parallel cross-section (base) to calculate the volume of a triangular prism	
5	**13-17 May**	• Evaluate algebraic expressions by substitution of variables into formulas	
6	**20-24 May**	• Writing algebraic expressions	
7	**27-31 May**	• Solving equations (one and two step)	
8	**3-7 June**	• Revision	**EXAM Lesson 2**
9	**10-14 June** **GC24 - Wednesday**	• Use the four operations with fractions and decimals to solve problems	
10	**17-21 June** **Athletics Carnival - Thurs**	• Use the four operations with fractions and decimals to solve problems	
School holidays: Saturday June 22 - Sunday July 7			