Varsity College
Year 9 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**	**Statistics** • Consolidate statistical measures of central tendency and spread for discrete numerical data • Construct stem and leaf plots to compare data and describe the distribution of data in terms of its shape and statistical measures	
3	**5-9 February** Swimming Carnival - Thurs	• Construct frequency tables for continuous numerical data to determine statistical measures of central tendency and spread • Construct, describe and interpret the distribution of histograms in terms of shape, statistical measures and any claims	
4	**12-16 February**	**Pythagoras Theorem** • Consolidate Pythagoras Theorem for finding missing sides • Apply Pythagoras' Theorem to solve worded problems and applications	
5	**19-23 February**	**Similarity** • Understand the concept of similar figures in terms of angles, side lengths and scale factors • Find missing sides and/or angles in similar figures • Understand and apply the triangle rules for similarity	
6	**26 Feb-1 Mar** GC24 - Wednesday	**Similarity** • Understand and apply the triangle rules for similarity (continue) **Revision**	
7	**4-8 March**	**Revision**	**EXAM Lesson 2**
8	**11-15 March** NAPLAN	**Statistical Investigation** • Consolidate categorising types of data • Recall and apply a range of sampling techniques to data sets • Recall different types of data displays and key features • Define bias and identify bias in statistical examples	
9	**18-22 March** NAPLAN GC24 - Thursday	**Statistical Investigation** • Plan and conduct a statistical investigation based on mobile phone usage • Represent findings using appropriate data displays	
10	**25-29 March** Good Friday PH	**Statistical Investigation** • Use evidence to support conclusions made • Investigate sources of secondary data to check validity	
School holidays: Friday March 29 - Sunday April 14			

Term 2, 2024

Week	Date	Topics	Assessment
1	**15-19 April** Cross Country – Weds L1-3	**Index Laws** • Consolidate index laws (product, quotient, power, zero) • Apply negative indices when simplifying and evaluating numerical expressions	
2	**22-26 April** GC24 - Tuesday Anzac Day PH - Thurs	**Index Laws** • Apply index laws when simplifying algebraic expressions **Scientific Notation** • Convert real numbers expressed in scientific notation into decimal form and Vise versa	
3	**29 Apr-3 May**	**Scientific Notation** • Apply mathematical operations to numbers expressed in scientific notation **Algebra** • Consolidate simplifying algebraic expressions involving addition and subtraction	
4	**6-10 May** Labour Day PH - Mon	**Algebra** • Consolidate expanding single brackets using the distributive law • Consolidate factorising linear expressions	
5	**13-17 May**	**Quadratics** • Expand binomial products • Factorise monic quadratic expressions	
6	**20-24 May**	**Quadratics** • Continue factorising monic quadratic expressions • Use Desmos to graph factorised monic quadratics (relationship expansion -> factorisation) • Solve monic quadratic equations	
7	**27-31 May**	**Quadratics** • Solve monic quadratic equations (continue) • Model and solve applied problems using quadratics	
8	**3-7 June**	**Quadratics** • Model and solve applied problems using quadratics (continue) **Revision**	
9	**10-14 June** GC24 – Wednesday	**Revision**	**EXAM Lesson 2**
10	**17-21 June** Athletics Carnival - Thurs	**Measurement** • Recall constructing nets of solids	
School holidays: Saturday June 22 - Sunday July 7			