

**Varsity College**  
**Year 11 Essential Mathematics 2024**

**Term 1**

Week	Date	Topics	Assessment
1	22-26 January O-Week Australia Day PH Fri	<ul style="list-style-type: none"> <li>O Week</li> </ul>	
2	29 Jan-2 Feb	<b>Unit 1: Topic 1 Number</b> <ul style="list-style-type: none"> <li>Decimals, Fractions &amp; Percentages</li> <li>Simplifying ratios</li> <li>Equivalent ratios</li> <li>Using ratios to find an amount</li> <li>Dividing quantities in a given ratio</li> </ul>	Unit 1 PSMT handed out Lesson 3
3	5-9 February Swimming Carnival - Thurs	<b>Unit 2: Topic 2 Motion</b> <ul style="list-style-type: none"> <li>Energy in food</li> </ul> <b>Unit 1: Topic 1 Number</b> <ul style="list-style-type: none"> <li>Unit costs/price (best buys)</li> </ul>	
4	12-16 February	<ul style="list-style-type: none"> <li>Percentages</li> <li>Percentage increase/ decrease</li> <li>GST</li> </ul>	
5	19-23 February	<ul style="list-style-type: none"> <li>One quantity as a percentage of another</li> <li>Percentage change</li> </ul>	Unit 1 PSMT Draft Due
6	26 Feb-1 Mar GC24 - Wednesday	<b>Unit 1: Topic 2 Representing Data</b> <b>Unit 1: Topic 3 Graphs- interpreting graphs</b> <ul style="list-style-type: none"> <li>Types of Data (Categorical)</li> <li>Column graphs and Pie Charts</li> <li>Two-way Tables</li> </ul>	
7	4-8 March	<ul style="list-style-type: none"> <li>Numerical data displays</li> <li>Histograms</li> <li>Dot plots</li> </ul>	<b>Unit 1 PSMT Final, Lesson 3</b>
8	11-15 March	<ul style="list-style-type: none"> <li>Stem and Leaf plots</li> <li>Back-to-back Stem and Leaf and dot plots</li> <li>Parallel dot plots</li> </ul>	
9	18-22 March GC24 - Thursday	<ul style="list-style-type: none"> <li>Outliers</li> </ul> <b>Unit 1: Topic 3 Graphs</b> <ul style="list-style-type: none"> <li>Conversion graphs</li> </ul>	
10	25-29 March Good Friday PH	<b>EXAM BLOCK</b>	

**School holidays: Friday March 29 - Sunday April 14**

## Term 2, 2024

Week	Date	Topics	Assessment
1	15-19 April Cross Country – Wed	<ul style="list-style-type: none"> <li>Simple interest</li> </ul>	
2	22-26 April GC24 – Tuesday Anzac Day PH - Thurs	<ul style="list-style-type: none"> <li>Line Graphs - Features of line graphs</li> </ul>	
3	29 Apr-3 May	<ul style="list-style-type: none"> <li>Double line graphs</li> <li>Step graphs</li> </ul>	
4	6-10 May Labour Day PH - Mon	<ul style="list-style-type: none"> <li>Choosing the most appropriate graph</li> <li>Misleading Data</li> </ul>	
5	13-17 May	<ul style="list-style-type: none"> <li>Revision</li> </ul>	
6	20-24 May	<b>Unit 2: Topic 2: Time and Motion</b> <ul style="list-style-type: none"> <li>12 and 24 hour time</li> <li>Fractional time</li> </ul>	<b>Exam Unit 1 Lesson 1</b>
7	27-31 May	<ul style="list-style-type: none"> <li>Difference in Time</li> <li>Timetables</li> </ul>	
8	3-7 June	<ul style="list-style-type: none"> <li>Units of distance</li> <li>Ratio to describe scale</li> </ul>	
9	10-14 June GC24 – Wednesday Exam shutdown - Fri	<b>Unit 2: Topic 2: Time and Motion</b> <ul style="list-style-type: none"> <li>Scale and distance</li> <li>Maps and direction</li> </ul>	
10	17-21 June Athletics Carnival - Thurs	<ul style="list-style-type: none"> <li>Scale diagrams</li> </ul>	
<b>School holidays: Saturday June 22 - Sunday July 7</b>			

### Term 3, 2024

Week	Date	Topics	Assessment
1	8-12 July	<b>Unit 2: Topic 2: Time and Motion</b> <ul style="list-style-type: none"> <li>• Speed</li> <li>• Units of speed</li> <li>• Application of speed, distance time</li> <li>• Speed graphs</li> </ul>	
2	15-19 July	<b>Unit 2: Topic 3: Data Collection</b> <ul style="list-style-type: none"> <li>• Collecting Data</li> <li>• Census and Samples</li> </ul>	
3	22-26 July GC24 - Thursday	<ul style="list-style-type: none"> <li>• Sampling Methods</li> <li>• Target population</li> </ul>	
4	29 Jul- 2 Aug	<ul style="list-style-type: none"> <li>• Writing questionnaires – Activity survey monkey</li> </ul>	
5	5-9 August	<b>Unit 2: Topic 1: Managing Money</b> <ul style="list-style-type: none"> <li>• Wages and Salaries</li> <li>• Hourly rates</li> <li>• Overtime</li> <li>• Commission</li> <li>• Piece Rate</li> </ul>	
6	12-16 August GC24 Finals – Wed.	<ul style="list-style-type: none"> <li>• Gross income and deductions</li> <li>• Taxable income</li> <li>• Income Tax</li> <li>• Medicare Levy</li> </ul>	
7	19-23 August	<ul style="list-style-type: none"> <li>• PAYG</li> <li>• Lodging a Tax Return</li> </ul>	
8	26-30 August	<ul style="list-style-type: none"> <li>• Budgets</li> <li>• Revision</li> </ul>	
9	2-6 September	<ul style="list-style-type: none"> <li>• Revision</li> </ul>	
10	9-13 September	<b>Exam Block</b>	<b>Exam Unit 2</b>
<b>School holidays: Saturday September 14 – Sunday September 29</b>			

### Term 4, 2024

Week	Date	Topics	Assessment
1	30 Sept – 4 Oct	<b>Unit 3 Topic 1: Measurement</b> <ul style="list-style-type: none"> <li>Geometry, Linear measure and Area measure</li> <li>2D Shapes, Perimeter</li> </ul>	
2	7-11 October King's B'day PH - Monday	<ul style="list-style-type: none"> <li>Perimeter</li> </ul>	PSMT hand out Lesson 3
3	14-18 October	<ul style="list-style-type: none"> <li>Area</li> </ul>	
4	21 - 25 October	<ul style="list-style-type: none"> <li>Area</li> </ul>	
5	28 Oct – 1 Nov	<b>Unit 3 Topic 2: Scales, plans and models</b> <ul style="list-style-type: none"> <li>Interpret scale drawings</li> <li>Create scale drawings</li> </ul>	PSMT Draft Due
6	4-8 November	<ul style="list-style-type: none"> <li>Scale Drawing</li> </ul>	
7	11-15 November	<ul style="list-style-type: none"> <li>Consolidation for completion of IA1</li> </ul>	PSMT due Lesson 3
8	18-22 November	<b>EXAM BLOCK</b>	
<b>School holidays: Saturday November 23 – Monday January 27</b>			