

## 2024 Scope & Sequence – Year 10 Stage 5.3



<b>Term 1</b>	<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>11</b>
	<b>Topic</b>	Financial Mathematics			Algebraic Techniques			Ratios and Rates		Surds and Indices		
	<b>Content</b>	Solving Problems Involving Money		Simple and Compound Interest	Basic Review	Algebraic Fractions	Expanding/Factorising	Expanding Binomial	Rates	Graphs	Rational/Irrational Numbers	Surds and the negative index
	<b>Assessment</b>	Class test week 8										

<b>Term 2</b>	<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
	<b>Topic</b>	Area, S.A. and Volume				Equations			Linear relationships			
	<b>Content</b>	Composite Area, Semi Circle Annulus	S.A. of Right Prism	Volume of Right Prism	Volume of Composite Solids	Solving Linear and Algebraic Fractions, Discriminant, and the Quadratic Formula		Solving Quadratic and Cubic's	Simultaneous Equations	Equations of Lines	Problems involving Parallel/ Perp	
	<b>Assessment</b>	Assignment and in-class test week 6										

<b>Term 3</b>	<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
	<b>Topic</b>	Trigonometry				Geometry		Similarity		Non-Linear Relationships		
	<b>Content</b>	Sin, Cos, Tan	Unknown side and angle	Elevation/Depression	3-D Trig	Congruence Poofs	Proving Geometrical Identities	Similarity in Proofs	Similarity to Solve Problems	Identify Graphs by Equations	Graphing Non-Linear	
	<b>Assessment</b>	Common test week 7 and Advanced test week 9										

<b>Term 4</b>	<b>Week</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	
	<b>Topic</b>	Yearly Examination and Preparation		Probability		Single Variable and Bivariate Data			Algebra and Graphing Review			
	<b>Content</b>			3 Step Problems	Conditional Statements	Box Plots and Standard Deviation	Scatterplot and Line of Best Fit	Applications of Bivariate Data	Expanding/Factorising	Solving Equations involving Fractions	Graphing Equations	
	<b>Assessment</b>	Yearly Examination week 2										