Venerable Bede CE Academy
Long Term Curriculum Plan: Year 10 Higher
Subject: Mathematics

Curriculum Intent:
Through our curriculum, EVERY pupil is going to…

- **Develop** a love of learning, academic excellence and **perseverance** in a Christian context
- **Engage** in a wide range of opportunities in **joy**ful, meaningful contexts to develop self-worth and mastery of knowledge and skills
- **Encourage** themselves and others to be aspirational and make **wise** choices so that they are prepared for life
- **Practise** equality of opportunity by valuing diversity, actively challenging prejudice and demonstrating **forgiveness** and **hope**

	Topic/Unit Title	Approximate Curriculum Hours	Assessment
Year 10 Higher	Year 9 topics will be revisited throughout Year 10. Retrieval practice will be sequenced according to the need for prior knowledge for a new topic or as revision.		
	Probability rules and tree diagrams	5	Year 10 mock exam, half term assessments and topic progress checkers.
	Conditional probability and Venn diagrams	5	
	Ratio and proportion	4	
	Growth and decay	4	
	Compound Measures	4	
	Similarity and congruence in 2D and 3D	8	
	Further trigonometry	10	
	Graphs of trigonometric functions	8	
	Cumulative frequency and box plots	4	
	Histograms and comparing data	6	
	Further graphs: Solving equations, inequalities and quadratic functions	4	
	Quadratic functions	4	
	Further graphs: Sketching graphs, graphs of circles, cubes and quadratics	4	
	Circle theorems	6	
	Circle geometry	6	
	Changing the subject of formulae (more complex),	4	
	Algebraic fractions	4	
	Proof	4	
	Rationalising surds	4	