



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
	Attentive & Discerning	Faith-filled & hopeful	Intentional & prophetic	Compassionate & Loving	Learned & Wise	Curious & Active
Year 12 Teacher 1	Complex numbers (18 hrs) Series (3 hrs)	Series (3 hrs) Roots of polynomials (12 hrs) Basic integration (2 hrs) Volume of revolution (4 hrs)	Matrices (15 hrs)	Proof by induction (9 hrs) Further vectors – equation of lines, planes, angles (5 hrs)	Further vectors – equation of lines, planes, angles (12 hrs)	Revision
Year 12 Teacher 2	Probability distributions (2 hrs) Discrete random variables (4 hrs) Binomial distribution (2 hrs) Poisson distribution: including approximating binomial (6 hrs)	Hypothesis testing: binomial (4 hrs) Hypothesis testing: Poisson (2 hrs) Chi-Squared tests (8 hrs)	Momentum and impulse (6 hrs) Elastic collisions in 1-dimension (4 hrs)	Elastic collisions in 1-dimension (4 hrs) Forces and frictions (6 hrs)	Work, energy and power (10 hrs)	Geometric and negative binomial distribution (8 hrs)
Year 13 Teacher 1	Complex numbers: DeMoivre's theorem and series (15 hrs) Series: method of differences and MacLaurin series (6 hrs)	Integration (6 hrs) Methods in calculus (12 hrs)	Polar coordinates (12 hrs) Hyperbolic functions (6 hrs)	Methods in differential equations (6 hrs) Modelling with differential equations (6 hrs)	Modelling with differential equations (6 hrs) Revision	A Level Examinations
Year 13 Teacher 2	Momentum and impulse (2 hrs) Elastic strings and springs (8 hrs) Elastic collisions in 2-dimensions (6 hrs)	Elastic collisions in 2-dimensions (4 hrs) Hypothesis testing: Geometric distribution (4 hrs) Chi-squared testing (4 hrs)	Probability generating functions (6 hrs) Quality of tests (6 hrs)	Central limit theorem (4 hrs) Revision	Revision	A Level Examinations