Year 11 - Maths Learning Journey

	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Topic Title/ Theme	H16 F17 Circles H17 F18 Surds, indices, fractions, proof and functions	H18 F19 Vectors	H19 F17 Graphs and proportion	Consolidation and exam skills. (Mock exams)	Consolidation and exam skills.	
Overview	Circle geometry. Express classes extend to circle theorems and coordinte geometry. Indices and standard form. Express classes extend to surds, algebraic fractions, proof and functions.	Vectors, similarity and congruence. Express classes extend to vector geometry.	Sketch and interpret cubics and reciprocals, direct and inverse proportion, rearranging formulae and simultaneous equations. Express classes extend to sketch and interpret exponential graphs, rates of change and area under a curve,	Revision and exam techniques.	Revision and exam techniques.	
Homework activities	Weekly Sparxmaths (or other worksheets, skills, revision and DIRT)					
Assessment	End of topic assessment	Mock exams	End of topic assessment	Mock II exams	GCSE Exams	
Suggested extended reading activities/ resources	Sparxmaths.com to access video tutorials and quizzes on every topic. Used for homework tasks DrFrostMaths.com to access Edexcel course information on the topic numbers above, video tutorials, skills questions, exam questions, and past papers Corbettmaths.com for videos and worksheets, 5-a-day skills sheets and practice papers					
Suggested enrichment activities	Intermediate Maths Challenge past papers at https://www.ukmt.org.uk/competitions/solo/intermediate-mathematical-challenge/archive https://nrich.maths.org/secondary for challenge problems, activities and games					
Revision Resources	DrFrostMaths, Sparxmaths, and Corbettmaths as above					