Years 10 & 11 Curriculum
Level 2: Extended Mathematics

Year 10

	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Set 1	• Ratio and co-ordinate geometry • Product rule for counting • Laws of indices • Sequences • Circle theorems • Geometric proof, including circle theorems	• Expanding and Factorising	• Equation of a straight line • Parallel and perpendicular lines • Understanding gradient • Linear and quadratic inequalities	• Formulae and expressions • Functions • Factor Theorem • Algebraic proof	• Drawing and sketching functions	• Completing the square • Algebraic fractions

Year 11

	Term 1 (Autumn)		Term 2 (Spring)		Term 3 (Summer)	
	Autumn 1	**Autumn 2**	**Spring 1**	**Spring 2**	**Summer 1**	**Summer 2**
Set 1	• Surds • Linear and quadratic equations • Simultaneous equations • Circle co-ordinate geometry	• Trigonometry in non-right-angled triangles • Exact trigonometric values • 3D Pythagoras and trigonometry • Trigonometric graphs • Trigonometric identities	• Calculus	• Revision		

Years 10 & 11 Assessment
Level 2: Extended Mathematics

Both Year 10 & 11 pupils will sit one mock examination.

	Year 10		Year 11		
	Mock Exam		**Mock Exam**		**Revision Resources**
	Spring Term		**Spring Term**		*Kennet Resources* • Core Questions • Knowledge Organisers • Learning Habits *External Resources* • www.mathsapp.pixl.org.uk • www.mymaths.co.uk • www.bbc.com/bitesize You can also find additional revision material on Frog
Style of Assessment	**Paper 1:** Non-Calculator	**Paper 2:** Calculator	**Paper 1:** Non-Calculator	**Paper 2:** Calculator	
Topics Assessed	A selection of topics covered since the beginning of Year 10. These will be taken from the following list but **may not include all topics** from the list: • The product rule for counting, co-ordinate geometry (straight lines), index laws sequences, circle theorems, expanding and factorising, linear and quadratic inequalities, functions, factor theorem • Any topic may be assessed on either paper. The topic may be assessed more than once in different scenarios e.g. knowledge recall in one question and as a proof in a different question		A selection of topics covered since the beginning of Year 10. These may be taken from the **previous list** and from the following: • Drawing and sketching functions (including straight lines, quadratics, cubics, exponentials & reciprocal), completing the square, algebraic fractions, surds, solving linear and quadratic equations using a variety of methods, simultaneous equations (up to three unknowns), co-ordinate geometry (including circles), Pythagoras and trigonometry (including in non-right-angled triangles), 3D trigonometry and 3D Pythagoras • Any topic may be assessed on either paper. The topic may be assessed more than once in different scenarios, e.g. knowledge recall in one question and as a proof in a different question		

Exam Board: Pearson | Edexcel

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