

Plashet Mathematics Year 10 Curriculum & Assessment Map 2014-15

Half-terms	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
No. of Weeks	8	7	6	6	5	8
No. of Days	38	32	30	29	23	38
No. of Lessons	28	24	21	14	13	25
Year 10 Schemes of Learning	<ul style="list-style-type: none"> • Numbers • Using a calculator • Decimals and rounding • Fractions • Percentages • Ratio and proportion • Numbers (Calculator) • Decimals and estimation • Standard form and Surds • Indices • Upper and lower bounds 	<ul style="list-style-type: none"> • Simplifying expressions • Sequences • Rearranging Formulae • Solving linear Equations • Inequalities • Algebraic fractions • Algebraic proofs • Expanding brackets • Factorising expressions • Solving quadratics equations • Difference of two squares 	<ul style="list-style-type: none"> • Linear Graphs • Conversion Graphs • Quadratic graphs • Cubic graphs • Graphical solutions to simultaneous equations 	<ul style="list-style-type: none"> • Angles in triangles and quadrilaterals • 2D shapes • Angles in parallel lines • Construction and loci • Shape and measure • Angles, polygons and circles • Circle geometry • Transformations • Congruence and similarity 	<ul style="list-style-type: none"> • Measures • Perimeter and area of 2D • 3D shapes • 3D co-ordinates • Area and volume • Surface Area and volume of prisms 	<ul style="list-style-type: none"> • Circles theorems • 3D shapes • Pythagoras' Theorem • Pythagoras' Theorem and trigonometry 1 • Pythagoras' Theorem and trigonometry - higher • Transformations of functions • Vectors
Self-assessment Frequency	Every lesson	Every lesson	Every lesson	Every lesson	Every lesson	
Peer Assessment Frequency	Once a week	Once a week	Once a week	Once a week	Once a week	
Formative Assessment with feedback	Every three weeks Week 3/ Week 6	Every three weeks Week 9/ Week 12	Every three weeks Week 15/ Week 18	Every three weeks Week 21/Week 24	Every three weeks Week 27/Week 30	
Summative Assessment Including Controlled Assessment	Week commencing 3 rd November 2014	Week commencing 5 th January 2015	Week commencing 23 rd February 2015	Week commencing 4 th April 2015	Week commencing 1 st June 2015	Linear exam as end of Year 10 exam on 6 th and 8 th July
Monitoring	Once a term		Once a term		Once a term	
Reporting Cycle		<ul style="list-style-type: none"> • 17th November – Progress check opens. • 1st December - Progress check sent home. 		<ul style="list-style-type: none"> • 18th March – Parents evening. • 30th March – 2nd April – Prof Predicted grade collection. 		<ul style="list-style-type: none"> • 29th June – Academic reports open, Prof pred. grade update. • 20th July – Reports sent home.

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No. of Weeks	8	7	6	6	5
No. of Days	38	32	30	29	23
No. of Lessons	27	22	21	20	18
Year 11 Schemes of Learning	Review Topics foundation <ul style="list-style-type: none"> • Circle s • 3D shapes • Pythagoras' Theorem Review Topics Higher <ul style="list-style-type: none"> • Pythagoras' Theorem and trigonometry 2 • Transformations of functions • Vectors 	Algebra and numbers <ul style="list-style-type: none"> • Percentages • Ratio and Proportions • Fractions • HCF/LCM • Using and applying mathematics • Linear equations • Factorizing • Expanding brackets • Algebraic fractions • Quadratic Equations • Linear and Quadratic graphs • Inequalities 	Shapes and measures <ul style="list-style-type: none"> • Angle properties • Angles in parallel lines • 3D- shapes and nets • Area and circumference of a circle • Circle theorems • Pythagoras' theorem • Trigonometry • Scale drawings and bearings • Plans and elevations • Transformations • Vectors • Angles in polygons 	Statistics and Probability <ul style="list-style-type: none"> • Averages and Range • Averages for grouped data • Pie charts • Stem & leaf diagram • Frequency polygons • Cumulative frequency graphs • Histograms • Probability of mutually exclusive events • Probability of independent events • Conditional probability 	Exam Preparation Past exam papers

Self-assessment Frequency	Every lesson	Every lesson	Every lesson	Every lesson	Every lesson
Peer Assessment Frequency	Once a week	Once a week	Once a week	Once a week	Once a week
Formative Assessment with feedback	Every three weeks Week 3/Week 6	Every three weeks Week 9\Week 12	Every three weeks Week 15/Week 18	Every three weeks Week 21/Week 24	Every three weeks Week 27/Week 30
Summative Assessment Including Controlled Assessment		Linear Mock exam 1 9 th & 11 th December 2014		Linear Mock exam 2 24 th & 26 th March 2015	
Monitoring		Once a term		Once a term	
Reporting Cycle	<ul style="list-style-type: none"> • 8th October – Parents evening. • 20th – 25th October – Professional Predicted grade update. 		<ul style="list-style-type: none"> • 12th January 2015 Academic reports open • 6th February – Academic reports sent home. 	<ul style="list-style-type: none"> • Final Professional Predicted grades – data collection 27th March 	