



Maths Curriculum Booklet

2019-2020



Maths Department Teaching Staff

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Maths Curriculum Structure




As a core subject students will have 8 hours of Maths lessons per fortnight from Year 7 – 11. In the first few weeks of Year 7 students are taught within their tutor groups, they will undergo an initial assessment and this will be used to group them into teaching sets. Setting will be reviewed regularly after each assessment to ensure that students are in classes where they will be able to make good progress whilst being appropriately challenged.

Students begin to study the GCSE specification in Year 9. Initially it is expected that all students in sets 1-3 will be prepared to sit the Higher tier papers (Grades 4-9) whilst those in sets 4 and 5 will be prepared to sit the Foundation tier papers (Grades 1 – 5). Final decisions on tiers of entry won't be made until after Christmas of Year 11.

Bishop Stopford's School Curriculum Overview

Year 7 – Maths Pi 1




	Curriculum Content	Skill Content
Half Term 1	1.1 Tables and pictograms, 1.2 Bar charts, 1.3 Grouped data, 1.4 Mode and modal class, 1.5 Range and median, 1.6 Mean 2.1 Adding, Subtracting, 2.2 Multiplying, 2.3 Dividing, 2.4 Multiplying and dividing by 10, 100 and 1000, 2.5 Using the four operations, 2.6 Positive and negative numbers	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term Test		
Half Term 2	3.1 Using functions, 3.2 Function machines, 3.3 Simplify expressions, 3.4 Writing expressions, 3.5 STEM: Using formulae, Writing formulae 4.1 Real-life graphs, 4.2 Coordinates, 4.3 Graphs of functions, 4.4 STEM: Scientific graphs	
End of Term Test		
Half Term 3	5.1 Number rules and relationships, 5.2 Multiples, 5.3 Multiplication, 5.4 Division Solving problems, 5.5 Factors and primes, 5.6 Common factors and multiples 6.1 Estimates and measures, 6.2 Decimal numbers, 6.3 Metric units, 6.4 Adding and subtracting decimals, 6.5 Rounding, 6.6 Multiplying and dividing decimals, 6.7 FINANCE: Calculating with money	
Half Term Test		
Half Term 4	7.1 Right angles and lines, 7.2 Measuring angles 1, 7.3 Measuring angles 2, 7.4 Drawing and estimating angles, 7.5 Putting angles together	
End of Term Test		
Half Term 5	8.1 Shape, 8.2 Symmetry in shapes, 8.3 More symmetry, 8.4 Regular polygons, 8.4 Perimeter, 8.5 Area 9.1 Comparing fractions, 9.2 Equivalent fractions, 9.3 Calculating with fractions, 9.4 Adding and subtracting fractions, 9.4 Introducing percentages, 9.5 FINANCE: Finding percentages	
Half Term Test		
Half Term 6	10.1 Reflection, 10.2 Translation, 10.3 Rotation, 10.4 STEM: Congruency, 10.5 Quadrilaterals	
End of Year Test		
Teaching Groups	Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.	

Bishop Stopford's School Curriculum Overview

Year 7 – Maths Theta 1




	Curriculum Content	Skill Content
Half Term 1	1.1 Mode, median and range, 1.2 Displaying data 1.3 Grouping data, 1.4 Averages and comparing data, 1.5 Line graphs and more bar charts, 1.6 Spreadsheets. 2.1 Mental maths, 2.2 Addition and subtraction, 2.3 Multiplication, 2.4 Division, 2.5 Finance: Time and money, 2.6 Negative numbers, 2.7 Factors, multiples and primes, 2.8 Square and triangle numbers	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term Test		
Half Term 2	3.1 Functions, 3.2 Simplifying expressions 1, 3.3 Simplifying expressions 2 3.4 Writing expressions 3.5 STEM: Substituting into formulae 3.6 Writing formulae. 4.1 Decimals and rounding 4.2 Length, mass and capacity 4.3 Scales and coordinates 4.4 Working with decimals mentally 4.5 Working with decimals 4.6 Perimeter 4.7 Area 4.8 STEM: More units	
End of Term Test		
Half Term 3	5.1 Comparing fractions, 5.2 Simplifying fractions, 5.3 Working with fractions, 5.4 Fractions and decimals, 5.5 Understanding percentages, 5.6 Percentages of amounts 6.1 The language of probability, 6.2 Calculating probability, 6.3 More probability calculations, 6.4 Experimental probability, 6.5 FINANCE: Expected outcomes	
Half Term Test		
Half Term 4	7.1 Direct proportion, 7.2 Writing ratios, 7.3 Using ratios, 7.4 Scales and measures, 7.5 Proportions and fractions, 7.6 Proportions and percentages.	
End of Term Test		
Half Term 5	8.1 Lines, angles and triangles, 8.2 Estimating, measuring and drawing angles, 8.3 Drawing triangles accurately, 8.4 STEM: Calculating angles, 8.5 Angles in a triangle, 8.6 Quadrilaterals. 9.1 Sequences, 9.2 Pattern sequences, 9.3 Coordinates, 9.4 Extending sequences, 9.5 Straight-line graphs, 9.6 Position-to-term rules.	
Half Term Test		
Half Term 6	10.1 Congruency and enlargements, 10.2 Symmetry, 10.3 Reflection, 10.4 Rotation, 10.5 Translations and combined transformations	
End of Year Test		
Teaching Groups	Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.	

Bishop Stopford's School Curriculum Overview

Year 7 – Maths Delta 1



	Curriculum Content	Skill Content
Half Term 1	1.1 Two-way tables and bar charts, 1.2 Averages and range, 1.3 Grouped data, 1.4 More graphs, 1.5 Pie charts, 1.6 STEM: Scatter graphs and correlation	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All these things help build confidence and a better understanding of the content and knowledge.</p> 
	2 Number skills, 2.1 Factors, primes and multiples, 2.2 Using negative numbers, 2.4 Squares and square roots, 2.5 More powers and roots, 2.6 Calculations	
Half Term Test		
Half Term 2	3 Equations, functions and formulae, 3.1 Simplifying algebraic expressions, 3.2 Writing algebraic expressions, 3.3 STEM: Using formulae, 3.4 Writing formulae, 3.5 Brackets and powers, 3.6 Factorising expressions	
	4 Fractions, 4.1 Working with fractions, 4.2 Adding and subtracting fractions, 4.3 Fractions, decimals and percentages, 4.4 Multiplying and dividing fractions, 4.5 Working with mixed numbers.	
End of Term Test		
Half Term 3	5 Angles and shapes, 5.2 Triangles, 5.3 Quadrilaterals, 5.4 Polygons	
	6 Decimals, 6.1 Ordering decimals, 6.2 Rounding decimals, 6.3 Adding and subtracting decimals, 6.4 Multiplying decimals, 6.5 Dividing decimals, 6.6 Fractions, decimals and percentages, 6.7 FINANCE: Working with percentages.	
Half Term Test		
Half Term 4	7 Equations, 7.1 Solving one-step equations, 7.2 Solving two-step equations, 7.3 More complex equations, 7.4 Trial and improvement	
End of Term Test		
Half Term 5	8 Multiplicative reasoning, 8.1 STEM: Metric and imperial units, 8.2 Writing ratios, 8.3 Sharing in a given ratio, 8.4 Proportion, 8.5 Proportional reasoning, 8.6 Using the unitary method.	
	9 Perimeter, area and volume, 9.1 Triangles, parallelograms and trapeziums, 9.2 Perimeter and area of compound shapes, 9.3 Properties of 3D solids, 9.4 Surface area, 9.5 Volume, 9.6 STEM: Measures of area and volume.	
Half Term Test		
Half Term 6	10 Sequences and graphs, 10.1 Sequences, 10.2 The nth term, 10.3 Pattern sequences, 10.4 Coordinates and line segments, 10.5 Graphs.	
End of Year Test		
Teaching Groups	Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.	

Bishop Stopford's School Curriculum Overview

Year 7 – Maths




Examples of Home Learning Tasks	Homework set at least one piece a week. Homework will be set both online and on paper. Students can access online homework on www.mathswatch.co.uk/vle Username: JSmith (Initial followed by second name) Password: enjoymaths
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters
Parents / Carers can help their child by:	<ul style="list-style-type: none">- Getting students to practice times tables up to 12- Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in O17 from 1:30pm
Who do I contact	Miss S Tagaully - Head of Maths stagaully@bishopstopfords.enfield.sch.uk

Bishop Stopford's School Curriculum Overview

Year 8 – Maths Pi 2




Half Term 1	<ul style="list-style-type: none"> • 1a. Adding and subtracting with larger numbers • 1b. More calculations • 1c. Negative numbers • 1d. STEM: Writing ratios • 1e. Using ratios to solve problems • 1f. Multiplicative reasoning • 2a. 3D solids • 2b. Nets of 3D solids • 2c. Surface area • 2d. Volume 	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term Test		
Half Term 2	<ul style="list-style-type: none"> • 3a. Data collection sheets • 3b. Interpreting bar charts • 3c. Drawing bar charts • 3d. STEM: Pie charts • 4a. Simplifying expressions • 4b. Functions • 4c. Solving equations • 4d. Using brackets 	
End of Term Test		
Half Term 3	<ul style="list-style-type: none"> • 5a. Adding and subtracting decimals • 5b. Multiplying decimals • 5c. Ordering and rounding decimals • 5d. STEM: Problem-solving with decimals • 6a. Measuring and drawing angles • 6b. Vertically opposite angles • 6c. Angles in triangles • 6d. Drawing triangles accurately • 6e. Designing nets 	
Half Term Test		
Half Term 4	<ul style="list-style-type: none"> • 7a. Squares, cubes and roots • 7b. Calculating with brackets and indices 	

	<ul style="list-style-type: none"> • 7c. LCM and HCF • 7d. Prime factor decomposition 	
End of Term Test		
Half Term 5	<ul style="list-style-type: none"> • 8a. Generating sequences • 8b. Extending sequences • 8c. Special sequences • 8d. Position-to-term rules • 8e. Finding the nth term • 9a. Comparing fractions • 9b. Fractions of amounts • 9c. Adding and subtracting fractions • 9d. Fractions and percentages • 9e. Calculating percentages • 9f. STEM: Percentages and proportion 	
Half Term Test		
Half Term 6	<ul style="list-style-type: none"> • 10a. The language of probability • 10b. Outcomes • 10c. Probability calculations • 10d. Experimental probability • 10e. FINANCE: Comparing probabilities 	
End of Year Test		
Teaching Groups	<p>Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.</p>	

Bishop Stopford's School Curriculum Overview

Year 8 – Maths Theta2




	Curriculum Content	Skill Content
Half Term 1	<ul style="list-style-type: none"> 1a. Calculations 1b. Calculating with negative integers 1c. Powers and roots 1d. Powers, roots and brackets 1e. Multiples and factors 2a. Area of a triangle 2b. Area of a parallelogram and trapezium 2c. Volume of cubes and cuboids 2d. 3D shapes 2e. Surface area of cubes and cuboids 2f. Problems and measures 	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term Test		
Half Term 2	<ul style="list-style-type: none"> 4a. Algebraic powers 4b. Expressions and brackets 4c. Factorising expressions 4d. One-step equations 4e. Two-step equations 4f. The balancing method 5a. Conversion graphs 5b. Distance-time graphs 5c. Line graphs 5d. Complex line graphs 5e. STEM: Graphs of functions 5f. More real-life graphs 	
End of Term Test		
Half Term 3	<ul style="list-style-type: none"> 6a. Ordering decimals and rounding 6b. Place-value calculations 6c. Calculations with decimals 6d. Ratio and proportion with decimals 6e. STEM: Using ratios 7a. Quadrilaterals 7b. Alternate angles and proof 7c. Geometrical problems 	

	<ul style="list-style-type: none"> • 7d. Exterior and interior angles • 7e. Solving geometric problems 	
Half Term Test		
Half Term 4	<ul style="list-style-type: none"> • 8a. Adding and subtracting fractions • 8b. Multiplying fractions • 8c. Fractions, decimals and reciprocals • 8d. Dividing fractions • 8e. Calculating with mixed numbers 	
End of Term Test		
Half Term 5	<ul style="list-style-type: none"> • 9a. Direct proportion on graphs • 9b. Gradients • 9c. Equations of straight lines • 9d. STEM: Direct proportion problems • 10a. Fractions and decimals • 10b. Equivalent proportions • 10c. Writing percentages • 10d. Percentages of amounts • 10e. FINANCE: Solving problems 	
Half Term Test		
Half Term 6	<ul style="list-style-type: none"> • 3a. Pie charts • 3b. Using tables • 3c. Stem and leaf diagrams • 3d. Comparing data • 3e. Scatter graphs • 3f. FINANCE: Misleading graphs 	
End of Year Test		
Teaching Groups	<p>Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.</p>	

Bishop Stopford's School Curriculum Overview

Year 8 – Maths Delta2



Half Term 1	Curriculum Content	Skill Content
	<ul style="list-style-type: none"> • 1a. Prime factor decomposition • 1b. Laws of indices • 1c. STEM: Powers of 10 • 1d. Calculating and estimating • 2a. Simplifying expressions • 2b. More simplifying • 2c. Expanding and simplifying • 2d. Substituting and solving 	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p>
Half Term Test		
<p>Half Term 2</p>	<ul style="list-style-type: none"> • 3a. Plans and elevations • 3b. Surface area of prisms • 3c. Volume of prisms • 3d. Circumference of a circle • 3e. Area of a circle • 3f. Cylinders • 3g. Pythagoras' theorem • 4a. Direct proportion • 4b. FINANCE: Interpreting financial graphs • 4c. Distance-time graphs • 4d. Rates of change • 4e. Misleading graphs 	
End of Term Test		
<p>Half Term 3</p>	<ul style="list-style-type: none"> • 5a. Reflection and translation • 5b. Rotation • 5c. Enlargement • 5d. More enlargement • 5e. STEM: Combining transformations • 5f. 2D shapes and 3D solids • 6a. Recurring decimals • 6b. Using percentages • 6c. Percentage change • 6d. FINANCE: Repeated percentage change 	
Half Term Test		

Half Term 4	<ul style="list-style-type: none"> • 7a. Accurate drawings • 7b. Constructing shapes • 7c. Constructions 1 • 7d. Constructions 2 • 7e. Loci 	
End of Term Test		
Half Term 5	<ul style="list-style-type: none"> • 8a. Comparing probabilities • 8b. Mutually exclusive events • 8c. Estimating probability • 8d. Experimental probability • 8e. Probability diagrams • 8f. Tree diagrams • 9a. Maps and scales • 9b. Bearings • 9c. Scales and ratio • 9d. Congruent and similar shapes • 9e. Solving geometry problems 	
Half Term Test		
Half Term 6	<ul style="list-style-type: none"> • 10a. Plotting linear graphs • 10b. The gradient • 10c. $y = mx + c$ • 10d. Parallel and perpendicular lines • 10e. Inverse functions • 10f. STEM: Non-linear graphs 	
End of Year Test		
Teaching Groups	<p>Your child will be placed on a flight path (EDSM) based on their Key Stage 2 data. Students are assessed immediately on entry to the school and placed into “streaming sets”. This allows students of similar ability to be taught together and enables all pupils to make progress. There is flexibility between the streams and decisions on student movement between groups are made at regular intervals.</p>	

Bishop Stopford's School Curriculum Overview

Year 8 – Maths



Examples of Home Learning Tasks	Homework set at least one piece a week. Homework will be set both online and on paper. Students can access online homework on www.mathswatch.co.uk/vle Username: JSmith (Initial followed by second name) Password: enjoymaths
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters


Parents / Carers can help their child by:	<ul style="list-style-type: none">- Getting students to practice times tables up to 12- Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in 017 from 1:30pm

Who do I contact	Miss S Tagaully - Head of Maths stagaully@bishopstopfords.enfield.sch.uk
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Bishop Stopford's School Curriculum Overview



Year 9 Foundation– Maths (GCSE)

	Curriculum Content	Skill Content
Half Term 1	Calculations Decimals	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term 2	Place value Factors and multiples Squares, cubes and roots Index notation Prime factors Algebraic expressions Simplifying expressions Substitution Formulae Expanding brackets Factorizing Frequency tables Using expressions and formulae Two-way tables Representing data Time series Scatter graphs Line of best fit	
Half Term 3	Working with fractions Percentages 2	
Half Term 4	Solving equations Formula Inequalities Sequences Shapes Angles	
Half Term 5	Average Perimeter and Area	
Half Term 6	Volume Linear graphs Real life graphs Transformations	
Teaching Groups	Sets 4-5	
Exam Board & Specification	Edexcel	
Examples of Home Learning Tasks	Homework set at least one piece a week using MyMaths and Google Classroom	
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.	
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters	




Parents / Carers can help their child by:	<ul style="list-style-type: none">- Getting students to practice times tables up to 12- Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	<p>www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html</p>
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in 017 from 1:30pm
Who do I contact	Miss Tagaully – Head of Maths stagaully@bishopstopfords.enfield.sch.uk

Bishop Stopford's School Curriculum Overview


Year 9 Higher– Maths (GCSE)




	Curriculum Content	Skill Content
Half Term 1	<i>Number problems and reasoning</i> <i>Place value and estimating</i>	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term 2	<i>HCF and LCM</i> <i>Calculating with powers (indices)</i> <i>Zero, negative and fractional indices</i> <i>Powers of 10 and standard form</i> <i>Surds</i> <i>Algebraic indices</i> <i>Expanding and factorizing</i> <i>Equations</i> <i>Formulae</i> <i>Linear sequences</i> <i>Non-linear sequences</i> <i>More expanding and factorizing</i> <i>Statistical diagrams</i> <i>Time series</i> <i>Scatter graphs</i> <i>Line of best fit</i> <i>Averages and range</i>	
Half Term 3	<i>Fractions</i> <i>Ratio and proportion</i>	
Half Term 4	<i>Percentages</i> <i>Fractions, decimals and percentages</i> <i>Angle properties of triangles and quadrilaterals</i> <i>Interior angles of a polygon</i> <i>Exterior angles of a polygon</i> <i>Pythagoras' theorem</i> <i>Trigonometry</i> <i>Linear and non-linear graphs</i> <i>Graphing rates of change</i> <i>Real-life graphs</i>	
Half Term 5	<i>Perimeter and area</i> <i>Units and accuracy</i>	
Half Term 6	<i>Prisms</i> <i>Circles</i> <i>Sectors of circles</i> <i>Cylinders and spheres</i> <i>Pyramids and cones</i> <i>3D solids</i> <i>Reflection and rotation</i> <i>Enlargement</i> <i>Transformations and combinations of transformations</i> <i>Bearings and scale drawings</i> <i>Constructions and loci</i>	
Teaching Groups	Sets 1-3	
Exam Board & Specification	Edexcel Exam Board	
Examples of Home Learning	Homework set at least one piece a week.	

Tasks	
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters
Parents / Carers can help their child by:	<ul style="list-style-type: none"> - Getting students to practice times tables up to 12 - Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in O17 from 1:30pm
Who do I contact	Miss S Tagaully – Head of Maths stagaully@bishopstopfords.enfield.sch.uk

Year 10 Foundation– Maths (GCSE)

	Curriculum Content	Skill Content
Half Term 1	Calculations Decimal numbers	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term 2	Place value Factors and multiples Squares, cubes and roots Index notation Prime factors Algebraic expressions Simplifying expressions Substitution Formulae Expanding brackets Factorising Using expressions and formulae Graphs, tables and charts Equations and inequalities and sequences	
Half Term 3	Equations, inequalities & sequences Angles	
Half Term 4	Transformations Average and range Ratio and proportions Right angle triangles. Probability Real and linear graphs	
Half Term 5	Transformations Ratio and proportion	
Half Term 6	Right angle triangles Probability	
Teaching Groups	Sets 4-5	
Exam Board & Specification	Edexcel Exam Board	
Examples of Home Learning Tasks	Homework set at least one piece a week.	
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.	
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters	

Year 10 Higher– Maths (GCSE)


	Curriculum Content	Skill Content
Half Term 1	Number problems Calculating with powers and indices	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term 2	Surds and standard form Expanding and factorizing Equations Factorising Angles Pythagoras Trigonometry Algebraic graphs	
Half Term 3	Further graphs Area and volume	
Half Term 4	Constructions and loci Transformations Inequalities and equations Probabilities	
Half Term 5	Probabilities Multiplicative reasoning	
Half Term 6	Similarity and congruence More trigonometry	
Teaching Groups	Sets 1-3	
Exam Board & Specification	Edexcel Exam Board	
Examples of Home Learning Tasks	Homework set at least one piece a week.	
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.	
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters	



Year 10 Maths – All Classes

Parents / Carers can help their child by:	<ul style="list-style-type: none">- Getting students to practice times tables up to 12- Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	<p>www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html</p>
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in 017 from 1:30pm
Who Do I Contact	Miss S Tagaully – Head of Maths stagaully@bishopstopfords.enfield.sch.uk

Year 11 –Maths Foundation (GCSE)


	Curriculum Content	Skill Content
Half Term 1	Each Foundation set in Year 11 is following a bespoke programme to consolidate key ideas following analysis of their end of Year 10 assessments from the following areas: Number Ratio, Proportion & Rate of Change Probability Statistics Geometry & Measure Algebra This will be reviewed again after the November trial exams and tailored as needed.	It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.
Half Term 2		
Half Term 3		
Half Term 4		
Half Term 5		
Half Term 6		
Teaching Groups	Sets 4-5	

Exam Board & Specification	Edexcel Exam Board
Examples of Home Learning Tasks	Homework set at least one piece a week.
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every unit.
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters

Parents / Carers can help their child by:	<ul style="list-style-type: none"> - Getting students to practice times tables up to 12 - Mental arithmetic and basic numeracy involving the 4 operations.
Useful Websites	www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html
Extra-curricular Opportunities	Maths catchup and homework club every lunch time in O17 from 1:30pm

Who Do I Contact	Miss S Tagaully – Head of Maths	stagaully@bishopstopfords.enfield.sch.uk
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Year 11 – Higher Maths (GCSE)

	Curriculum Content	Skill Content
Half Term 1	<p>Each Higher set in year 11 is following a bespoke programme to consolidate key ideas following analysis of their end of Y10 exams and the external papers sat in 2019. They will focus on content from the following aspects of the specification for the first term;</p> <p>Number Algebra Ration, Proportion and Rate of Change Geometry & Measure Statistics</p> <p>This will be reviewed after the November trial exams and tailored as needed.</p>	<p>It is said that to succeed in maths you need two things: knowledge and confidence. This is the ethos within the department – regardless of ability. Students will be asked to try things out, develop ideas and make mistakes. All of these things help build confidence and a better understanding of the content and knowledge.</p> 
Half Term 2		
Half Term 3		
Half Term 4		
Half Term 5		
Teaching Groups	Sets 1-3	
Exam Board & Specification	Edexcel Exam Board	
Examples of Home Learning Tasks	Homework set at least one piece a week.	
Assessment Tasks, Methods & Frequency	Assessment at the end of every half term, mini assessments at the end of every	
Equipment That Students Need	Full Maths equipment (including scientific calculator) Pen, pencil, ruler, rubber, protractor, compass, sharpener, highlighters	
Parents / Carers can help their child by:	Getting students to practice times tables up to 12 Mental arithmetic and basic numeracy involving the 4 operations.	
Useful Websites	<p>www.mathswatch.co.uk/vle http://www.numeracyninjas.org/ https://www.bbc.com/bitesize/subjects/zqhs34j https://www.mathsisfun.com/games/subtangent.html</p>	

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