

Curriculum Recovery Brief Outline

Half-term (or specific weeks)	Programme of Learning Title	Catch Up Elements	Assessments	Remote Contingency
Autumn 1	Types of number, Place Value, Prime, Factor, PFD, Venn Diagrams, HCF, LCM, Rounding to dp and sf. Ordering negative and positive, Ordering fractions, Decimals and Percentage and mixtures. Multiplying and dividing with decimals, + - $\times \div$ with negatives, BIDMAS	Types of number, Place Value. Negative Numbers. Add, Subtract.	In-class, Baseline Assessment (wc 12 th Oct).	
Autumn 2	Building expressions, Simplifying by collecting and multiplying, Expand brackets, Substitution, Function machines. Fraction skills, FDP conversion. Faces, Edges and Vertices of 3D shapes, Properties of special quadrilaterals and triangles – to solve angle problems.	Formulae: Recognise, create, substitute. Equivalent fractions.		SOW reordered to ensure units during Autumn 1 and Spring 1 are easiest to deliver remotely. Remote learning to be delivered through a combination of Teams, Streams, Mathswatch and Hegarty Maths.
Spring 1	+ - $\times \div$ with proper, improper and mixed numbers, Find percentages, Increase and decrease by a percentage, Find change as a percentage. Convert between units of length, mass, capacity and time. Nth terms.	Easy % of amount, + - $\times \div$ with fractions. Recognise a linear sequence.	In class assessment (wc 11 th Jan).	
Spring 2	Rectilinear incl trapezium, Volume and Surface area of cuboids, Area and Circumference of circles. Draw and measure accurately, Construct triangles, know parallel and perpendicular.	Draw 2D shapes, name 3D shapes, recognize nets of 3D shapes.		
Summer 1	Reflect (equation of lines parallel to axes and $y = x$), Rotation, Translation. Ratio skills, Ratio to Fraction, Speed/Distance/Time. Rounding to dp and sig, fig, Estimate by rounding. Basic angle facts, Angles in triangles, Quadrilaterals, Angles in parallel lines, Angles in irregular and regular polygons.	Enlargement and scale factor.	Whole School Exams (wc 12 th April). 2 x 45 mins.	
Summer 2	One and two step, brackets and two unknowns. Drawing linear graphs, Understand gradient and intercept. Pie Charts, Histograms, Scatter Graphs and Correlation.	Basic rules of algebraic notation, Solving number problems. Line graphs.		

Catch up elements highlighted in yellow

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	Support	Core		
Autumn 1	Pie Charts, Histograms, Scatter Graphs and Correlation. Rounding to dp and sig, fig. Estimate by rounding. Recognise and continue a linear sequence, Nth terms. Ratio skills, Ratio to Fraction.	Pie Charts, Histograms, Scatter Graphs and Correlation. Rounding to dp and sig, fig. Estimate by rounding. Recognise and continue a linear sequence, Nth terms. Ratio skills, Ratio to Fraction.		
Autumn 2	Prime, Factor, HCF, LCM. Ordering negative and positive, Ordering fractions, Decimals and Percentage and mixtures. Multiplying and dividing with decimals, $+ - x \div$ with negatives, BIDMAS. Understand and use the mean	PFD, HCF, LCM; Reading and writing in Standard Form; $+$, $-$ in Standard Form, with and without a calculator; Calculating with powers and roots; Expand two brackets; Factorise into 1 or two brackets; Laws of Indices; Change Subject; Division of fractions; Percentage multipliers; Percentage Change; Simple Interest; Single event probability.	In class assessment (wc 30th Nov)	SOW reordered to ensure units during Autumn 1 and Spring 1 are easiest to deliver remotely. Remote learning to be delivered through a combination of Teams, Streams, Mathswatch and Hegarty Maths.
Spring 1	Building expressions, simplifying by collecting and multiplying, Expand brackets, Substitution, Function machines. Convert between units of length, mass, capacity and time. Fraction skills, FDP conversion.	Two way tables; Frequency Trees; Relative Frequency; One and two step, brackets and two unknowns; Averages from discrete data, data in a frequency table and grouped frequency table; Read, Write and Solve; Fibonacci; Generate quadratic.		
Spring 2	Reflect (equation of lines parallel to axes and $y = x$), Rotation, Translation, $+ - x \div$ with proper, improper and mixed numbers. Find percentages, increase and decrease by a percentage. Find change as a percentage.	Volume & Surface area of cuboids; Circle; Volume of prisms; Pythagoras; Speed/Distance/Time; Density/Mass/Volume; Pressure/Force/Area; Congruence and Similarity.	In class assessment (wc 8th March)	
Summer 1	Draw and measure accurately, Construct triangles, know parallel and perpendicular, Faces, Edges and Vertices of 3D shapes. Properties of special quadrilaterals and triangles, Rectilinear incl trapezium, Volume of cuboids. Basic angle facts, angles in triangles, quadrilaterals, angles in parallel lines.	Angle facts; Bearings; Constructions; LOCI; Enlargement Drawing linear graphs, understand gradient and intercept. Solve by drawing two linear graphs; Solve by elimination (no multiplying). Time series; Compound Bar Charts.		
Summer 2	One and two step, brackets and two unknowns. Drawing linear graphs, understand gradient and intercept	Plot quadratic; Distance/Time Graphs; Equations of parallel lines; Regular Polygons; Understand congruence in triangles SSS, SAS, RHS, ASA; Simple algebraic proof.	Whole School Exams (wc 21 st June) 2 x 45 mins.	

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Half-term (or specific weeks)	Programme of Learning Title		Assessments	Remote Contingency
	Support	Core		
Autumn 1	Pie Charts, Histograms, Scatter Graphs and Correlation. Rounding to dp and sig. fig. Estimate by rounding. Recognise and continue a linear sequence, Nth terms. Ratio skills, Ratio to Fraction.	Evaluate Indices – negative; Standard form; Enlargement – fractional SF; Combined transformations; Invariant points; Right-angled trigonometry.		
Autumn 2	PFD, HCF, LCM; Reading and writing in Standard Form; +, - in Standard Form, with and without a calculator; Calculating with powers and roots; Expand two brackets; Factorise into 1 or two brackets; Laws of Indices; Change Subject; Division of fractions; Percentage multipliers; Percentage Change; Simple Interest; Single event probability.	Solve by drawing two linear graphs; Solve by elimination (no multiplying); Regular Polygons; Prove congruence, SSS, SAS, RHS, ASA; Simple algebraic proof. Expand 2 or more brackets; Harder quadratic factorising; Algebraic Fractions; Sequences: Geometric and Quadratic; Compound Interest; Growth and decay.	In class assessment (wc 2nd Nov)	SOW reordered to ensure units during Autumn 1 and Spring 1 are easiest to deliver remotely. Remote learning to be delivered through a combination of Teams, Streams, Mathswatch and Hegarty Maths.
Spring 1	Two way tables; Frequency Trees; Relative Frequency; One and two step, brackets and two unknowns; Averages from discrete data, data in a frequency table and grouped frequency table; Read, Write and Solve; Fibonacci; Generate quadratic.	Circle Theorems; Direct and Inverse proportion equations; Recognise graphs of direct and inverse; Solve linear inequalities;	Whole School Exams (wc 18 th Jan) 2 x 90 mins.	
Spring 2	Volume & Surface area of cuboids; Circle; Volume of prisms; Pythagoras; Speed/Distance/Time; Density/Mass/Volume; Pressure/Force/Area; Congruence and Similarity.	Time series; Compound Bar Charts; Scatter graphs and lines of best fit; Averages from discrete data, data in a frequency table and grouped frequency table; Sampling;		
Summer 1	Angle facts; Bearings; Constructions; LOCI; Enlargement Drawing linear graphs, understand gradient and intercept. Solve by drawing two linear graphs; Solve by elimination (no multiplying). Time series; Compound Bar Charts.	Parallel lines; Straight line graphs; Working with column vectors; Simple geometric; Arcs and Sectors of circles; Volume and SA of cones, spheres, pyramids; Solve quadratic equations by factorizing;	In class assessment (wc 17th May)	
Summer 2	Plot quadratic; Distance/Time Graphs; Equations of parallel lines; Regular Polygons; Understand congruence in triangles SSS, SAS, RHS, ASA; Simple algebraic proof.	Single event probability; Two-way tables; Frequency Trees; Tree diagrams; Product rule; Sets.		

Catch up elements highlighted in yellow

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	Support	Foundation	Higher		
Autumn 1	Evaluate Indices – negative; Standard form; Enlargement – fractional SF; Combined transformations; Invariant points; Right-angled trigonometry.	Parallel and Perpendicular lines; Equation of a circle and tangent; Angles, Bearings, Congruence & Similarity, Polygons; Solve quadratic equations by factorising; Solve by drawing graphs; Solve related quadratic equations;	Parallel and Perpendicular lines; Equation of a circle and tangent; 3D Pythagoras, Sine and Cosine rule, 3D Trig, Solve quadratic equations by factorising; Solve by drawing graphs; Solve related quadratic equations.		
Autumn 2	Solve by drawing two linear graphs; Solve by elimination (no multiplying); Regular Polygons; Prove congruence, SSS, SAS, RHS, ASA; Simple algebraic proof. Expand 2 or more brackets; Harder quadratic factorising; Algebraic Fractions; Sequences: Geometric and Quadratic; Compound Interest; Growth and decay.	Building and solving linear equations, Laws of Indices, Bounds, Direct and Inverse proportion: simple problems and graphs, Sampling.	Completing the Square, Quadratic formula and Iteration, Fractional Indices, Bounds, SURDS, Direct and Inverse proportion: equations and graphs, Sampling.	In class assessment (wc 14th Dec)	SOW reordered to ensure units during Autumn 1 and Spring 1 are easiest to deliver remotely. Remote learning to be delivered through a combination of Teams, Streams, Mathswatch and Hegarty Maths.
Spring 1	Circle Theorems; Direct and Inverse proportion equations; Recognise graphs of direct and inverse; Solve linear inequalities;	Formulae and Function machines; Solve simultaneous equations by elimination or graphical; Tree diagrams; Product rule; Sets.	Functions; Solve simultaneous equations by elimination or substitution; Tree diagrams; Product rule; Sets.		
Spring 2	Time series; Compound Bar Charts; Scatter graphs and lines of best fit; Averages from discrete data, data in a frequency table and grouped frequency table; Sampling;	Sketch and interpret non-linear graphs; Construct accurate scale drawing.	Sketch and interpret non-linear graphs incl gradient; Enlargement (negative SF) + effect on area and volume.	Whole School Exams (wc 15 th March) 3 x 90 mins. GCSE past paper.	
Summer 1	Parallel lines; Straight line graphs; Working with column vectors; Simple geometric; Arcs and Sectors of circles; Volume and SA of cones, spheres, pyramids; Solve quadratic equations by factorizing;	Nth term of linear sequences + properties of geometric etc; Area and Perimeter of 2D shapes including circles; Standard Form; Histograms (equal width), averages, scatter graphs.	Nth term of quadratic sequences + properties of geometric etc, Graphical Inequalities, Quadratic inequalities, Quadratic Simultaneous equations, Exponential and Trig graphs. Transforming graphs, Cumulative Frequency, Box Plots, Histograms.		
Summer 2	Single event probability; Two-way tables; Frequency Trees; Tree diagrams; Product rule; Sets.	Factor and Multiple, PFD, HCF, LCM. Constructions and Loci.	Perpendicular lines, Circle, Completing the Square, Turning points. Using vectors for geometrical proof.	In class assessment (wc 14th June)	

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Half-term (or specific weeks)	Programme of Learning Title		Assessments	Remote Contingency
	Foundation	Higher		
Autumn 1	Standard Form. Histograms (equal width), averages, scatter graphs. Factor and Multiple, PFD, HCF, LCM. Constructions and Loci.	Exponential and Trig graphs. Transforming graphs. Cumulative Frequency, Box Plots, Histograms. Perpendicular lines, Circle, Completing the Square, Turning points. Using vectors for geometrical proof.		
Autumn 2	Past paper practice in advance of 1st set of mocks. Mock papers are analysed and for each class this generates a bespoke set of topics that need to be addressed in more detail. Pupils to focus on commonly examined topics and the basic skills that are required at an appropriate level for their ability.		Mock Exams (1) (wc 16 th November) 3 x 90 mins GCSE past paper	SOW reordered to ensure units during Autumn 1 and Spring 1 are easiest to deliver remotely. Remote learning to be delivered through a combination of Teams, Streams, Mathswatch and Hegarty Maths.
Spring 1	Pupils will continue to "fill the gaps" in their knowledge. This may include teaching some topics that have not previously been covered – depending on target grade and setting. Past paper practice in advance of 2nd set of mocks.			
Spring 2	Mock papers are analysed again and for each class this generates another bespoke set of topics that need to be addressed in more detail.		Mock Exams (2) (wc 22 nd February) 3 x 90 mins GCSE past paper	
Summer 1	Pupils will continue to "fill the gaps" in their knowledge.			
Summer 2				