

Year 7 Maths Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Arithmetic procedures with integers and decimals Arithmetic procedures with fractions	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/arithmetic-procedures-with-integers-and-decimals/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/arithmetic-procedures-with-fractions/lessons
Half Term 2 Nov – Dec	Expressions and equations – Part One Perimeter and area	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/expressions-and-equations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/perimeter-and-area/lessons
Half Term 3 Jan - Feb	Properties of number – factors, multiples, squares and cubes	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/properties-of-number-factors-multiples-squares-and-cubes/lessons
Half Term 4 March - April	Expressions and equations – Part Two Graphical representations of data	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/expressions-and-equations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/graphical-representations-of-data/lessons
Half Term 5 April - May	Multiplicative Relationships – Fractions and Ratio	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/understanding-multiplicative-relationships-fractions-and-ratio/lessons
Half Term 6 June - July	Sequences Geometrical properties: polygons	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/sequences/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/geometrical-properties-polygons/lessons

Year 8 Maths Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Estimation and Rounding Arithmetic procedures with fractions	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/estimation-and-rounding/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/arithmetic-procedures-with-fractions/lessons
Half Term 2 Nov – Dec	Expressions and equations Perimeter, area and volume	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/expressions-and-equations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/perimeter-area-and-volume/lessons
Half Term 3 Jan - Feb	Properties of number – factors, multiples, squares and cubes	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/properties-of-number-factors-multiples-squares-and-cubes/lessons
Half Term 4 March - April	Solving Linear Equations	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/solving-linear-equations/lessons
Half Term 5 April - May	Understanding multiplicative relationships Plotting co-ordinates	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/understanding-multiplicative-relationships-percentages-and-proportionality/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/plotting-coordinates/lessons
Half Term 6 June - July	Graphical representations of linear equations Geometrical properties: polygons	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/graphical-representations-of-linear-equations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/geometrical-properties-polygons/lessons

Year 9 Maths Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Standard Form	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/standard-form/lessons
	Expressions and formulae	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/expressions-and-formulae/lessons
Half Term 2 Nov – Dec	Transformations	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/transformations/lessons
Half Term 3 Jan - Feb	Arithmetic procedures with fractions	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/arithmetic-procedures-with-fractions/lessons
	Graphical representations	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/graphical-representations/lessons
Half Term 4 March - April	Geometrical properties: similarity & Pythagoras' theorem	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/geometrical-properties-similarity-and-pythagoras-theorem/lessons
	Trigonometry	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/trigonometry/lessons
Half Term 5 April - May	Understanding multiplicative relationships	https://www.thenational.academy/teachers/programmes/maths-secondary-ks3/units/understanding-multiplicative-relationships-fractions-and-ratio/lessons
Half Term 6 June - July	This term we are focussing on starting the GCSE Handling Data work: Graphical representations of data: scatter graphs and time series	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/graphical-representations-of-data-scatter-graphs-and-time-series/lessons

	Comparisons of numerical summaries of data Graphical representations of data: cumulative frequency and histograms (Higher only)	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/comparisons-of-numerical-summaries-of-data/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/graphical-representations-of-data-cumulative-frequency-and-histograms/lessons
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Year 10 Maths FOUNDATION Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Standard form calculations Arithmetic procedures: index laws Algebraic manipulation (not equations)	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/standard-form-calculations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/arithmetic-procedures-index-laws/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/algebraic-manipulation/lessons
Half Term 2 Nov – Dec	Angles Bearings Loci and construction	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/angles/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/bearings/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/loci-and-construction/lessons
Half Term 3 Jan - Feb	Percentages 2D and 3D shape: compound shapes	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/percentages/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/2d-and-3d-shape-compound-shapes/lessons
Half Term 4 March - April	Algebraic manipulation (equations) Rounding, estimation and bounds	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/algebraic-manipulation/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/rounding-estimation-and-bounds/lessons

Half Term 5 April - May	Ratio	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/ratio/lessons
	Direct and inverse proportion	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/direct-and-inverse-proportion/lessons
Half Term 6 June - July	Conditional probability	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/conditional-probability/lessons
	Revision and Consolidation	Revision for End of Year Ten Exams

Year 11 Maths FOUNDATION Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Further sequences	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/further-sequences/lessons
	Right-angled trigonometry	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/right-angled-trigonometry/lessons
Half Term 2 Nov – Dec	Further transformations	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/further-transformations/lessons
	Vectors	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/vectors/lessons

Half Term 3 Jan - Feb	Similarity Plans and elevations 2D and 3D shape: surface area and volume	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/similarity/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/plans-and-elevations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/2d-and-3d-shape-surface-area-and-volume-pyramids-spheres-and-cones/lessons
Half Term 4 March - April	Linear Graphs Non-Linear Graphs Compound Measures Real-life graphs	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/linear-graphs/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/non-linear-graphs/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/compound-measures/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/real-life-graphs/lessons
Half Term 5 April - May	Simultaneous equations: 2 variables Inequalities	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/simultaneous-equations-2-variables/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-foundation/units/inequalities/lessons

Year 10 Maths HIGHER Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Algebraic Notation	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/algebraic-manipulation/lessons
	Arithmetic procedures: index laws	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/arithmetic-procedures-index-laws/lessons
	Standard form calculations	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/standard-form-calculations/lessons
	Algebraic fractions	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/algebraic-fractions/lessons
Half Term 2 Nov – Dec	Angles	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/angles/lessons
	Circle theorems	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/circle-theorems/lessons
	Bearings	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/bearings/lessons
	Loci and construction	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/loci-and-construction/lessons
Half Term 3 Jan - Feb	Percentages	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/percentages/lessons
	2D and 3D shapes: compound shapes	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/2d-and-3d-shape-compound-shapes/lessons

	Surds	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/surds/lessons
Half Term 4 March - April	Rounding, estimation and bounds Algebraic manipulation	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/rounding-estimation-and-bounds/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/algebraic-manipulation/lessons
Half Term 5 April - May	Ratio Direct and inverse proportion	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/ratio/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/direct-and-inverse-proportion/lessons
Half Term 6 June - July	Conditional Probability Revision and Consolidation	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/conditional-probability/lessons Revision for End of Year Ten Exams

Year 11 Maths HIGHER Remote Learning Programme

Half Term	Task	Link
Half Term 1 Sept - Oct	Right-angled trigonometry Non right-angled trigonometry Further sequences	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/right-angled-trigonometry/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/non-right-angled-trigonometry/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/further-sequences/lessons

Half Term 2 Nov – Dec	Further transformations Vectors Functions and proof	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/further-transformations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/vectors/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/functions-and-proof/lessons
Half Term 3 Jan - Feb	Similarity Plans and elevations 2D and 3D shape: surface area and volume	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/similarity/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/plans-and-elevations/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/2d-and-3d-shape-surface-area-and-volume-pyramids-spheres-and-cones/lessons
Half Term 4 March - April	Linear graphs Non-linear graphs Inequalities Real-life graphs Compound measures	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/linear-graphs/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/non-linear-graphs/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/inequalities/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/real-life-graphs/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/compound-measures/lessons

Half Term 5 April - May	Simultaneous equations Iteration Transformations of graphs	https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/simultaneous-equations-2-variables/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/iteration/lessons https://www.thenational.academy/teachers/programmes/maths-secondary-ks4-higher/units/transformations-of-graphs/lessons
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