

Year 6 Home learning Links

This document provides links to home learning lessons, found on Oak Academy. The lessons have been matched appropriately to the learning focus in the St Michael's maths medium term plans. By clicking each link, this will take you directly to the specific lesson (each lesson is comprised of a teacher led explanatory video, an introductory quiz, a worksheet and a final quiz). These links can be set for home learning (as relevant for the week of the medium-term plan). For further reference, the name of the Oak Academy unit that the lessons can be found in has been included along with the number of the specific lessons within that unit. The units are from this year group unless otherwise stated (in brackets after the unit name).

Year 6 Home learning Links - Autumn Term MTP

	Focus	Oak Academy	DfE ready to progress criteria	Other links
Wk 1	Place Value	Reasoning with large whole numbers (Yr5) - lessons 7, 8, 9, 10 and 12 https://classroom.thenational.academy/lessons/comparing-6-digit-numbers-using-inequalities-6crkje https://classroom.thenational.academy/lessons/ordering-and-comparing-6-digit-numbers-using-number-lines-cmw3cr https://classroom.thenational.academy/lessons/rounding-6-digit-numbers-to-the-nearest-100-000-and-10-000-6nhpcd https://classroom.thenational.academy/lessons/rounding-6-digit-numbers-to-the-nearest-1000-10-000-and-100-000-65gked https://classroom.thenational.academy/lessons/solving-problems-involving-place-value-and-rounding-c9k66d		
Wk 2	Four Operations	Problem solving with integer addition and subtraction (Yr5) - lessons 7 and 8 https://classroom.thenational.academy/lessons/adding-using-the-column-method-6wt64c https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-6xj32d Multiplication and division (Yr5) - lessons 9, 10, 13 and 14 https://classroom.thenational.academy/lessons/short-multiplication-c8v64c https://classroom.thenational.academy/lessons/long-multiplication-68u38t https://classroom.thenational.academy/lessons/short-division-6qt64d https://classroom.thenational.academy/lessons/division-with-remainders-cckw6r		
Wk 3	Four Operations	Multiplication and division (Yr5) - lessons 1, 2, 3 and 4 https://classroom.thenational.academy/lessons/multiples-and-factors-6gr32d https://classroom.thenational.academy/lessons/factor-pairs-61k3cd		

		https://classroom.thenational.academy/lessons/prime-numbers-65j38e https://classroom.thenational.academy/lessons/factor-and-multiple-chains-6gvp6c		
Wk 4	Fractions	Fractions, decimals and percentages (Yr5) - lessons 1 and 2 https://classroom.thenational.academy/lessons/converting-between-proper-and-improper-fractions-cmuk6c https://classroom.thenational.academy/lessons/understanding-fractions-equivalent-fractions-chh6cd		
Wk 5	Fractions	Fractions, decimals and percentages (Yr5) - lessons 4, 6, 7 and 8 https://classroom.thenational.academy/lessons/add-and-subtract-fractions-with-a-common-denominator-68vpae https://classroom.thenational.academy/lessons/add-and-subtract-fractions-fluency-75j3jc https://classroom.thenational.academy/lessons/multiply-a-fraction-by-a-whole-number-cgup2t https://classroom.thenational.academy/lessons/multiply-a-mixed-number-fraction-6nj6t		
Wk 6	Ratio and Proportion	Fractions, decimals and percentages (Yr5) - lessons 14 https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d Proportion problems - lessons 5, 6 and 7 https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-2-61k68d		
Wk 7	Four Operations	Multiplication and division (Yr5) - lessons 1 and 11 https://classroom.thenational.academy/lessons/multiples-and-factors-6gr32d https://classroom.thenational.academy/lessons/using-factors-to-multiply-6wtp4r Problem solving with integer addition and subtraction (Yr5) - lessons 7 and 8 https://classroom.thenational.academy/lessons/adding-using-the-column-method-6wt64c https://classroom.thenational.academy/lessons/subtracting-using-the-column-method-6xj32d		
Wk 8	Four Operations	Multiplication and division - lessons 11, 12, 15 and 16 https://classroom.thenational.academy/lessons/use-formal-written-methods-for-short-multiplication-including-multiplying-decimals-6rvp2r https://classroom.thenational.academy/lessons/multiply-by-a-two-digit-number-using-long-multiplication-75k3cc https://classroom.thenational.academy/lessons/use-the-formal-written-method-for-short-division-chh64c		

		<p>https://classroom.thenational.academy/lessons/use-the-formal-written-method-of-long-division-to-solve-appropriate-calculations-c8wk0c</p> <p>Calculation problems - lessons 2 and 3 https://classroom.thenational.academy/lessons/order-of-operations-ctk3et</p> <p>https://classroom.thenational.academy/lessons/consolidating-order-of-operations-68t34d</p> <p>Problem solving with whole numbers and decimals (Yr5) - lesson 5 https://classroom.thenational.academy/lessons/developing-strategies-to-plan-and-solve-problems-6wuk0c</p>		
Wk 9	Fractions	<p>Fractions - lessons 8, 9 and 10 https://classroom.thenational.academy/lessons/add-fractions-cnk3ar</p> <p>https://classroom.thenational.academy/lessons/subtract-fractions-6hh66r</p> <p>https://classroom.thenational.academy/lessons/fractions-problem-solving-c9k38d</p> <p>Fractions (2) - lessons 2, 3, 4 and 5 https://classroom.thenational.academy/lessons/fractions-multiply-pairs-of-proper-fractions-c4rp4r</p> <p>https://classroom.thenational.academy/lessons/fractions-divide-a-proper-fraction-by-an-integer-6tjkqd</p> <p>https://classroom.thenational.academy/lessons/fractions-multiply-and-divide-with-improper-fractions-74tk8c</p> <p>https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d</p>		
Wk 10	Fractions, Decimals, Percentages	<p>Percentages and statistics - lesson 2 https://classroom.thenational.academy/lessons/recall-and-use-equivalences-between-fractions-decimals-and-percentages-6dh6cc</p> <p>Fractions, decimals and percentages (Yr5) - lessons 12, 14 and 15 https://classroom.thenational.academy/lessons/percentage-as-a-fraction-and-decimal-6mrk0r</p> <p>https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-6xh36d</p> <p>https://classroom.thenational.academy/lessons/finding-percent-of-a-quantity-problem-solving-c9h38d</p>		
Wk 11	Ratio and Proportion	<p>Proportion problems - lessons 3, 5 and 8 https://classroom.thenational.academy/lessons/use-fractions-to-express-proportions-6rtk0d</p> <p>https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar</p> <p>https://classroom.thenational.academy/lessons/ratio-problems-c5hk4r</p> <p>2D shape, perimeter and area (Yr5) - lessons 4 and 5 https://classroom.thenational.academy/lessons/compare-the-area-and-perimeter-of-rectangles-crrp2d</p> <p>https://classroom.thenational.academy/lessons/calculate-the-area-of-non-rectilinear-shapes-chh38d</p>		

Wk 12	Algebra	<p>Calculation problems - lessons 5, 6 and 7 https://classroom.thenational.academy/lessons/expressing-missing-numbers-algebraically-ccwpcc</p> <p>https://classroom.thenational.academy/lessons/expressing-missing-number-problems-algebraically-c8v64r</p> <p>https://classroom.thenational.academy/lessons/finding-solutions-to-problems-with-two-variables-cmt30r</p> <p>2D and 3D shape (Yr5) - lessons 1, 2 and 9 https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-describe-and-classify-shapes-based-on-the-properties-part-1-6dhpac</p> <p>https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-describe-and-classify-shapes-based-on-the-properties-part-2-6mrkgt</p> <p>https://classroom.thenational.academy/lessons/2d-and-3d-shapes-to-build-simple-3-d-shapes-6mup4c</p>		
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Year 6 Home learning Links - Spring Term MTP

	Focus	Oak Academy	DfE ready to progress criteria	Other links
Wk 1	Ratio and Measure	<p>Proportion problems - lessons 3, 4 and 5 https://classroom.thenational.academy/lessons/use-fractions-to-express-proportions-6rtk0d</p> <p>https://classroom.thenational.academy/lessons/use-ratio-to-express-relationships-70tpad</p> <p>https://classroom.thenational.academy/lessons/solve-problems-involving-scale-factor-in-shapes-c4u3ar</p> <p>Decimals and Measures - lessons 2 and 3 https://classroom.thenational.academy/lessons/decimals-and-measures-standard-units-cdjk0r</p> <p>https://classroom.thenational.academy/lessons/decimals-and-measures-convert-standard-lengths-60tkad</p>		
Wk 2	Measure	<p>2D shape, perimeter and area (Yr5) - lessons 4 and 5 https://classroom.thenational.academy/lessons/compare-the-area-and-perimeter-of-rectangles-crrp2d</p> <p>https://classroom.thenational.academy/lessons/calculate-the-area-of-non-rectilinear-shapes-chh38d</p> <p>Decimals and measures - lessons 5 and 7 https://classroom.thenational.academy/lessons/decimals-and-measures-calculating-the-area-of-parallelograms-and-triangles-ccu32c</p> <p>https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr</p>		
Wk 3	Geometry	<p>Missing angles and lengths - lesson 1 https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-6cr3je</p> <p>Coordinates and shape - lessons 8 and 9 https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-solve-problems-involving-3d-shapes-71hkqd</p> <p>https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-illustrate-and-name-parts-of-a-circle-69hkec</p> <p>Angles (Yr5) - lessons 8, 9 and 11 https://classroom.thenational.academy/lessons/reading-angles-on-a-protractor-part-3-cnh3ge</p> <p>https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-1-60rp4e</p> <p>https://classroom.thenational.academy/lessons/calculating-angles-on-a-line-or-around-a-point-69h66t</p> <p>2D and 3D shape (Yr5) - lesson 10 https://classroom.thenational.academy/lessons/2d-and-3d-shapes-to-illustrate-and-name-parts-of-a-circle-70u3ce</p>		
Wk 4	Position	<p>Coordinates and shape - lessons 1, 2, 3, 4 and 5 https://classroom.thenational.academy/lessons/describing-coordinate-positions-on-a-grid-6hgpat</p> <p>https://classroom.thenational.academy/lessons/translating-simple-shapes-6hjpat</p>		

		https://classroom.thenational.academy/lessons/reflecting-simple-shapes-6mu3ec https://classroom.thenational.academy/lessons/solving-practical-coordinate-problems-part-1-c9h3ec https://classroom.thenational.academy/lessons/solving-practical-coordinate-problems-part-2-6hh34e		
Wk 5	Statistics	Percentages and statistics - lessons 5, 8 and 9 https://classroom.thenational.academy/lessons/interpret-mean-as-an-average-60t32d https://classroom.thenational.academy/lessons/interpret-pie-charts-ccr6ad https://classroom.thenational.academy/lessons/comparing-pie-charts-c5hpce Line graphs and timetables (Yr5) - lesson 6 https://classroom.thenational.academy/lessons/conversion-graphs-64vk2t		
Wk 6	Numbers and Number Properties	Multiplication and division - lessons 2 and 5 https://classroom.thenational.academy/lessons/place-value-to-3-decimal-places-6crpat https://classroom.thenational.academy/lessons/understand-the-terms-common-factor-and-common-multiple-as-properties-of-a-number-cdk68c Problem solving with whole numbers and decimals (Yr5) - lesson 1 https://classroom.thenational.academy/lessons/calculating-intervals-across-zero-6wu64d		
Wk 7	Fractions, Decimals and Percentages	Calculation problems - lessons 4 and 8 https://classroom.thenational.academy/lessons/linear-number-sequences-6ct66t https://classroom.thenational.academy/lessons/consolidating-linear-sequences-and-representing-problems-with-algebra-71j3gr Percentages and statistics - lessons 1, 2 and 3 https://classroom.thenational.academy/lessons/understand-what-a-percentage-is-and-its-connection-to-fractions-6rrk2c https://classroom.thenational.academy/lessons/recall-and-use-equivalences-between-fractions-decimals-and-percentages-6dh6cc https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkge		
Wk 8	Measure and Ratio	Decimals and measures - lessons 8, 9 and 10 https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-standard-measures-6cupac https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-including-the-conversion-of-standard-units-of-measure-6nhp8e https://classroom.thenational.academy/lessons/decimals-and-measures-convert-between-units-of-time-c4r66c Proportion problems - lessons 6 and 7		

		https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-1-68r6ac https://classroom.thenational.academy/lessons/solve-problems-involving-the-relative-size-of-two-quantities-part-2-61k68d Line graphs and timetables (Yr5) - lesson 6 https://classroom.thenational.academy/lessons/conversion-graphs-64vk2t		
Wk 9	Measure	Decimals and measures - lessons 4 and 7 https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-with-length-cdk32e https://classroom.thenational.academy/lessons/decimals-and-measures-the-volume-of-cubes-and-cuboids-cdh3cr 2D and 3D shape (Yr5) - lessons 7, 8 and 9 https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-describe-and-classify-3d-shapes-based-on-the-properties-64tpac https://classroom.thenational.academy/lessons/2d-and-3d-shape-classifying-shapes-crrk8d https://classroom.thenational.academy/lessons/2d-and-3d-shapes-to-build-simple-3-d-shapes-6mup4c		
Wk 10	Problem solving	Calculation problems - lessons 9 and 10 https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-6mwkct https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-part-2-6cvp4c		

Year 6 Home learning Links - Summer Term MTP

	Focus	Oak Academy	DfE ready to progress criteria	Other links
Wk 1	Geometry	<p>Missing angles and lengths - lessons 2, 3, 4 and 5 https://classroom.thenational.academy/lessons/compare-and-classify-triangles-6mu6at</p> <p>https://classroom.thenational.academy/lessons/compare-and-classify-quadrilaterals-71h38c</p> <p>https://classroom.thenational.academy/lessons/find-unknown-angles-in-triangles-6tgkcd</p> <p>https://classroom.thenational.academy/lessons/find-the-value-of-missing-angles-in-quadrilaterals-cdgk0r</p> <p>Angles (Yr5) - lesson 10 https://classroom.thenational.academy/lessons/draw-angles-with-a-protractor-part-2-65hk4e</p>		
Wk 2	Measure	<p>Decimals and measures - lesson 4 https://classroom.thenational.academy/lessons/decimals-and-measures-solving-problems-with-length-cdk32e</p> <p>Proportion problems - Lesson 8 https://classroom.thenational.academy/lessons/ratio-problems-c5hk4r</p> <p>Volume (Yr5) - lessons 4 and 5 https://classroom.thenational.academy/lessons/to-describe-volume-in-cubic-units-6hhkj</p> <p>https://classroom.thenational.academy/lessons/to-convert-units-of-volume-c9h3cr</p>		
Wk 3	Fractions	<p>Fractions (1) - lesson 10 https://classroom.thenational.academy/lessons/fractions-problem-solving-c9k38d</p> <p>Fractions (2) - lesson 5 https://classroom.thenational.academy/lessons/fractions-solve-fraction-problems-with-the-four-operations-cgrk0d</p> <p>Percentages and statistics - lesson 3 https://classroom.thenational.academy/lessons/solve-problems-involving-the-calculation-of-percentages-of-amounts-c5gkge</p>		
Wk 4	Algebra	<p>Calculation problems - lessons 7, 8, 9 and 10 https://classroom.thenational.academy/lessons/finding-solutions-to-problems-with-two-variables-cmt30r</p> <p>https://classroom.thenational.academy/lessons/consolidating-linear-sequences-and-representing-problems-with-algebra-71j3gr</p> <p>https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-6mwkct</p> <p>https://classroom.thenational.academy/lessons/reasoning-and-problem-solving-part-2-6cyp4c</p>		
Wk 5	Statistics	<p>Percentages and statistics - lesson 10 https://classroom.thenational.academy/lessons/understand-what-a-percentage-is-and-its-connection-to-fractions-6rrk2c</p>		

Wk 6	Geometry	<p>2D and 3D shape (yr5) – lessons 1, 2 and 3</p> <p>https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-describe-and-classify-shapes-based-on-the-properties-part-1-6dhpac</p> <p>https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-describe-and-classify-shapes-based-on-the-properties-part-2-6mrkgt</p> <p>https://classroom.thenational.academy/lessons/2d-and-3d-shape-to-identify-regular-and-irregular-polygons-by-reasoning-about-equal-sides-and-angles-69jp4c</p>		
Wk 7	Position	<p>Coordinates and shape – lessons 6, 7 and 10</p> <p>https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-3-d-shapes-crup8r</p> <p>https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-recognise-nets-of-3d-shapes-crvk2r</p> <p>https://classroom.thenational.academy/lessons/coordinates-and-shapes-to-solve-practical-problems-involving-circles-68u36d</p>		
Wk 8	Investigations	<p>Extending calculation strategies and additive reasoning (lessons 1-30)</p> <p>https://classroom.thenational.academy/lessons/adjusting-addends-c5gpct</p>		
Wk 9	Investigations			
Wk 10	Investigations	<p>https://classroom.thenational.academy/lessons/same-sum-with-larger-numbers-ccw68d</p>		
Wk 11	Investigations	<p>https://classroom.thenational.academy/lessons/same-sum-with-decimals-6xh3jd</p>		
Wk 12	Investigations	<p>https://classroom.thenational.academy/lessons/balancing-equations-using-the-same-sum-strategy-65hkct</p> <p>https://classroom.thenational.academy/lessons/balancing-equations-using-compensation-c4uk8e</p> <p>https://classroom.thenational.academy/lessons/balancing-equations-does-the-order-of-addends-matter-crw36e</p> <p>https://classroom.thenational.academy/lessons/increasing-an-addend-6mw62c</p> <p>https://classroom.thenational.academy/lessons/decreasing-an-addend-6wv3at</p> <p>https://classroom.thenational.academy/lessons/solve-calculations-mentally-by-relating-them-to-known-facts-crt64d</p> <p>https://classroom.thenational.academy/lessons/find-an-unknown-addend-70vkae</p> <p>https://classroom.thenational.academy/lessons/introduction-to-same-difference-6tgkac</p> <p>https://classroom.thenational.academy/lessons/same-difference-in-context-70w6ac</p> <p>https://classroom.thenational.academy/lessons/use-the-language-of-minuend-subtrahend-and-difference-chgk0d</p> <p>https://classroom.thenational.academy/lessons/transform-calculations-using-the-same-difference-cdh3ed</p>		

	<p>https://classroom.thenational.academy/lessons/practice-transforming-calculations-to-make-them-easier-to-solve-mentally-6mvk6e</p> <p>https://classroom.thenational.academy/lessons/transform-a-subtraction-calculation-to-make-the-written-algorithm-easier-to-apply-6guk0t</p> <p>https://classroom.thenational.academy/lessons/practice-same-difference-in-different-contexts-64w3jt</p> <p>https://classroom.thenational.academy/lessons/balancing-equations-to-find-unknown-values-6nk3ge</p> <p>https://classroom.thenational.academy/lessons/explore-how-the-difference-changes-when-only-the-minuend-is-changed-6ngk4t</p> <p>https://classroom.thenational.academy/lessons/apply-the-generalisation-about-how-the-minuend-and-difference-change-to-solve-problems-cdj3cr</p> <p>https://classroom.thenational.academy/lessons/explore-how-the-generalisation-can-be-used-as-a-mental-calculation-strategy-using-known-facts-c5gk4c</p> <p>https://classroom.thenational.academy/lessons/thinking-flexibly-74t3jr</p> <p>https://classroom.thenational.academy/lessons/comparing-strategies-65k68r</p> <p>https://classroom.thenational.academy/lessons/the-more-we-subtract-the-less-we-are-left-with-the-less-we-subtract-65gp4d</p> <p>https://classroom.thenational.academy/lessons/contexts-where-the-minuend-is-kept-the-same-and-the-subtrahend-increases-6rt3ec</p> <p>https://classroom.thenational.academy/lessons/contexts-where-the-minuend-is-kept-the-same-and-the-subtrahend-decreases-6rt64r</p> <p>https://classroom.thenational.academy/lessons/further-practice-to-reason-about-how-the-change-in-the-subtrahend-changes-the-difference-6xh6ac</p> <p>https://classroom.thenational.academy/lessons/explore-problems-in-which-the-new-difference-must-be-found-6rrpcc</p> <p>https://classroom.thenational.academy/lessons/balance-equations-where-the-compensation-property-of-same-sum-cannot-efficiently-be-applied-ctj3jc</p> <p>https://classroom.thenational.academy/lessons/balance-equations-where-the-compensation-property-of-same-difference-cannot-efficiently-be-applied-c8wk2d</p>		
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