Year 8 Support for Home Learning 2020-21

These lessons have been put together largely using MyMaths, but also with the Oak National Academy. They are designed to be in line with the topics you would be doing if you were in school.

There is a school login for MyMaths; the username is 'brookvale' and the password is 'octagon'. You will need your own individual logins for your portal, which your teacher has access to. Please make sure you write these on the correct page in your planners so you don't lose them!

You can also use these activities to boost your learning from school. MyMaths has some fantastic booster packs which test your understanding of a variety of topics. Other websites such as CorbettMaths (which has a great 5-a-day activity and lots of useful videos), BBC Bitesize and mathsmadeeasy.co.uk are really useful to top up your learning and provide you with really good revision materials for tests.

If you find the work too easy or too hard, (or you are having difficulties completing these if you are learning from home), you must let your teacher know via email or the google classroom as soon as possible.

			Home learning resources
24 Aug - 28 Aug	1	Phased Return	
31 Aug - 04 Sep	2	8.1.1 Types of number	Oak Academy - Factors and Multiples lessons Oak Academy - Prime factor decomposition lessons
07 Sep - 11 Sep	3	8.2.2 Negative numbers	Oak Academy - Positive and negative numbers lessons
14 Sep - 18 Sep	4	8.2.1 BIDMAS	Oak Academy - Order of operations lessons https://app.mymaths.co.uk/6191-game/order-of-operations-pairs-activity
21 Sep - 25 Sep	5	8.3.1 Enlargement	Oak Academy - enlargement lesson Oak Academy - enlargement & area lesson
28 Sep - 02 Oct	6	8.6 FDP & BAM 7M2	Oak Academy - FDP review lessons https://app.mymaths.co.uk/90-lesson/fractions-to-decimals https://app.mymaths.co.uk/6699-game/tug-of-war
05 Oct - 09 Oct	7	8.1.2 Rounding	Oak Academy - Rounding lessons
12 Oct - 16 Oct	8	8.5.1 Algebraic notation	Oak Academy - equations and expressions lessons
19 Oct - 23 Oct		Half Term	
26 Oct - 30 Oct	9	8.8.1 Explore sequences & rules	Oak Academy - Sequences lessons https://app.mymaths.co.uk/myportal/library/9/85/899#collapse2 https://app.mymaths.co.uk/238-lesson/arithmetic-sequences
02 Nov - 06 Nov	10	TEST & Remedial work	Oak academy - Happy caterpillars investigation
09 Nov - 13 Nov	11	8.4 Probability	Oak Academy - Representing probability Oak Academy - calculating probability lesson Oak Academy - sample spaces lesson https://app.mymaths.co.uk/377-lesson/probability-intro https://app.mymaths.co.uk/378-lesson/simple-probability
16 Nov - 20 Nov	12	8.9.1 Angle facts	Oak academy - describing angles lesson Oak Academy - measuring and drawing angles lesson Oak Academy - Finding unknown angles lesson https://app.mymaths.co.uk/5792-lesson/angles-3 https://app.mymaths.co.uk/256-lesson/angle-sums
23 Nov - 27 Nov	13	8.7.1 Ratio	Oak Academy - representing ratio https://app.mymaths.co.uk/5857-lesson/modelling-ratio

Date	Wk	Topic	Resources
			https://app.mymaths.co.uk/158-lesson/ratio-introduction
30 Nov - 04 Dec	14	8.5.2 Expanding & factorising	Oak Academy - expanding brackets Oak Academy - factorising expressions https://app.mymaths.co.uk/171-lesson/single-brackets https://app.mymaths.co.uk/myportal/library/9/85/891#collapse6
07 Dec - 11 Dec	15	8.10.1 Fraction calcs	https://app.mymaths.co.uk/5856-lesson/modelling-fraction-calculations mymaths - adding fractions with the same denominator Oak Academy - multiplying fractions by integers Oak academy - adding and subtracting fractions
14 Dec - 18 Dec	16	8.12.1 Area recap/ investigating pi & BAM 7M8 or 8M7	Oak Academy - Area review lessons Oak Academy - parts of a circle lesson Oak Academy - circumference of a circle https://app.mymaths.co.uk/269-lesson/circumference-of-a-circle
21 Dec - 25 Dec		Christmas	
28 Dec - 01 Jan		Christmas	
04 Jan - 08 Jan	17	8.13.1 Coordinates, midpoints, horizontal & vertical lines	mymaths - coordinates lesson mymaths - midpoints and line lengths lesson Oak Academy - solving geometric problems
11 Jan - 15 Jan	18	8.15 Presenting data	Sorting data into tables LESSON Introducing data LESSON Frequency tables LESSON Oak Academy - Interpreting Bar Charts
18 Jan - 22 Jan	19	8.11.1 Equations with an unknown on one side	Oak Academy - Exploring equations Oak Academy - Solving Equations algebraically
25 Jan - 29 Jan	20	8.9.2 Parallel lines	Angles in Parallel lines mymaths lesson Oak Academy - Exploring intersections Oak Academy - Transversal angles Oak Academy - Alternate angles https://classroom.thenational.academy/lessons/corresponding-and-allied-angles-6tj68e
01 Feb - 05 Feb	21	TEST & Remedial work	
08 Feb - 12 Feb	22	8.14.1 Venn diagrams	https://app.mymaths.co.uk/1731-lesson/venn-diagrams-1
15 Feb - 19 Feb		Half term	
22 Feb - 26 Feb	23	8.8.2 Picture sequences	Oak Academy - Number grid sequences Oak Academy - Growing pattern sequences
01 Mar - 05 Mar	24	8.16.1 Averages	Mean and mode LESSON Median and range LESSON All averages LESSON
08 Mar - 12 Mar	25	8.1.3. Intro to standard form	Oak Academy - powers of 10 lesson Oak Academy - Large numbers lesson Writing large number using standard form LESSON
15 Mar - 19 Mar	26	8.2.3 Using a calculator	Oak Academy - Rounding from a calculator
22 Mar - 26 Mar	27	8.3.2 Bearings & scales	Oak Academy - Bearings and compass points mymaths Bearings lesson
29 Mar - 02 Apr		Easter	
05 Apr - 09 Apr		Easter	

12 Apr - 16 Apr	28	8.7.2 Proportion & problem solving	Mymaths - Introduction to proportion Oak Academy - understanding rates
'[- 23 Apr	29		
26 Apr - 30 Apr	30	8.5.3 Changing the subject	mymaths - function machines lesson Oak Academy - Algebraic expressions lesson mymaths - rearranging lesson
03 May - 07 May	31		
10 May - 14 May	32	8.11.2 Equations with an unknown on both sides	Oak Academy - Linear equations lesson mymaths - both sides lesson
17 May - 21 May	33	8.10.2 Percentage inc & dec	Oak Academy - percentages recap Oak Academy - percentage change lesson mymaths - modelling percentage change lesson
24 May - 28 May	34	8.9.3 Polygons	mymaths - properties of triangles lesson mymaths - lines and quadrilaterals lesson
31 May - 04 Jun		Half Term	
07 Jun - 11 Jun	35	8.7.3 SDT	Oak Academy - distance-time graphs https://app.mymaths.co.uk/296-lesson/speed
14 Jun - 18 Jun	36	REVISION & End of Year TEST	
21 Jun - 25 Jun	37	8.10.3 Interest & finance	Oak Academy - savings lesson
28 Jun - 02 Jul	38	8.3.3 Plans & elevations	Oak Academy - Plans lesson mymaths - plans and elevations lesson
05 Jul - 09 Jul	39	FLEXI	