

## Year 8S Blended Learning

*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	Transition Day	
31 Aug - 04 Sep	2	7.1.1 Factors and primes	<a href="#">Factors and Primes LESSON</a> <a href="#">Exploring Primes LESSON</a> <a href="#">Prime factor trees LESSON</a>
07 Sep - 11 Sep	3	7.2.1 Place value & 1089	<a href="#">Place value 1 LESSON</a> <a href="#">Place value 2 LESSON</a> <a href="#">Very big numbers LESSON</a>
14 Sep - 18 Sep	4	7.6 Properties of shapes	<a href="#">2D and 3D shapes LESSON</a> <a href="#">3D shapes LESSON</a> <a href="#">Properties of triangles LESSON</a> <a href="#">Lines and Quadrilaterals LESSON</a>
21 Sep - 25 Sep	5	BAM 7M2 & Remedial	<a href="#">Investigation</a>
28 Sep - 02 Oct	6	7.4.1 Comparing number	<a href="#">Decimal number lines LESSON</a> <a href="#">Ordering decimals LESSON</a> <a href="#">Introduction to negative numbers</a>
05 Oct - 09 Oct	7	7.11.1 Measuring accurately	<a href="#">Comparing measures LESSON</a> <a href="#">Measures LESSON</a> <a href="#">Units of length LESSON</a>
12 Oct - 16 Oct	8	7.2.2 Calculation methods	<a href="#">Short and long multiplication LESSON</a> <a href="#">Word problems LESSON</a> <a href="#">Mixed calculation GAMES</a> – practice your mental maths skills!
19 Oct - 23 Oct		Half Term	
26 Oct - 30 Oct	9	7.5 Visualising & constructing (1)	<a href="#">Plans and Elevations LESSON</a> <a href="#">Constructing triangles LESSON</a>
02 Nov - 06 Nov	10	7.2.3 Decimal calculations & TEST	<a href="#">Multiply decimals by 10, 100 LESSON</a> <a href="#">Multiply decimals by a whole number LESSON</a> <a href="#">Multiply two decimals LESSON</a>
09 Nov - 13 Nov	11	7.7.1 Algebraic notation (1)	<a href="#">Writing expressions LESSON</a> <a href="#">Collecting like terms LESSON</a> <a href="#">Simplifying LESSON</a>
16 Nov - 20 Nov	12	7.1.2 Multiples	<a href="#">Multiples LESSON</a> <a href="#">Lowest common multiple LESSON</a> <a href="#">Times it out GAME</a>

23 Nov - 27 Nov	13	7.4.2 Comparing fractions	<a href="#">Introducing fractions LESSON</a> <a href="#">Modelling fractions LESSON</a> <a href="#">Comparing fractions LESSON</a>
30 Nov - 04 Dec	14	7.3 Checking, approximating and estimating	<a href="#">Estimating LESSON</a> <a href="#">Rounding and accuracy LESSON</a>
07 Dec - 11 Dec	15	7.9 Proportional reasoning (1)	<a href="#">Introduction to proportion LESSON</a> <a href="#">Modelling ratio LESSON</a> <a href="#">Simplifying ratio LESSON</a> <a href="#">Dividing into a ratio LESSON</a>
14 Dec - 18 Dec	16	7.2.4 Order of operations	<a href="#">Order of operations LESSON</a>
21 Dec - 25 Dec		Christmas	
28 Dec - 01 Jan		Christmas	
04 Jan - 08 Jan	17	7.17 Presentation of data	<a href="#">Sorting data into tables LESSON</a> <a href="#">Introducing data LESSON</a> <a href="#">Frequency tables LESSON</a>
11 Jan - 15 Jan	18	7.11.2 Time and timetables	You should choose your lessons on time based on how confident you feel. <a href="#">Understanding time LESSON</a> <a href="#">Telling the time LESSON</a> <a href="#">Time between LESSON</a> <a href="#">Telling the time LESSON 2</a> <a href="#">12 and 24 hour clock LESSON</a> <a href="#">Using timetables LESSON</a>
18 Jan - 22 Jan	19	7.16.1 Coordinates & Lines	<a href="#">Positive coordinates LESSON</a> <a href="#">Coordinates in 4 quadrants LESSON</a> <a href="#">Plotting graphs LESSON 1</a> <a href="#">Plotting graphs LESSON 2</a>
25 Jan - 29 Jan	20	7.1.3 Powers & roots	<a href="#">Square and triangular numbers LESSON</a> <a href="#">Squares, cubes and roots LESSON</a> <a href="#">Higher powers LESSON</a>
01 Feb - 05 Feb	21	TEST & Remedial	
08 Feb - 12 Feb	22	7.7.1 Algebraic notation (2)	<a href="#">Simplifying LESSON</a> <a href="#">Expanding single brackets LESSON</a>
15 Feb - 19 Feb		Half term	
22 Feb - 26 Feb	23	7.15.1 Area & surface area	<a href="#">Perimeter LESSON</a> <a href="#">Defining Area LESSON</a> <a href="#">Area and perimeter of rectangles LESSON</a> <a href="#">Rectilinear shapes LESSON</a>
01 Mar - 05 Mar	24		
08 Mar - 12 Mar	25	7.13.1 Add & Subtract fractions	<a href="#">Add and subtract fractions with the same denominator LESSON</a> <a href="#">Add and subtract fractions with different denominators LESSON</a>
15 Mar - 19 Mar	26	7.16.2 Transformations	<a href="#">Oak Academy - Transforming 2D shapes lessons</a>
22 Mar - 26 Mar	27	7.10 Pattern sniffing	<a href="#">Oak Academy - number grid sequences lesson</a> <a href="#">Sequences LESSON</a>
29 Mar - 02 Apr		Easter	
05 Apr - 09 Apr		Easter	
12 Apr - 16 Apr	28	7.7.2 Exploring functions	<a href="#">Function machine LESSON</a>

			<a href="#">Rules and formulae LESSON</a> <a href="#">Substitution LESSON</a>
19 Apr - 23 Apr	29	7.12 Investigating angles (1)	<a href="#">Angles LESSON 1</a> <a href="#">Measuring angles LESSON</a> <a href="#">Calculating missing angles LESSON</a>
26 Apr - 30 Apr	30		
03 May - 07 May	31	7.8 Exploring FDP	<a href="#">Fractions to decimals LESSON</a> <a href="#">Frac dec perc LESSON 1</a> <a href="#">Frac dec perc LESSON 2</a>
10 May - 14 May	32	7.14 Solving equations	<a href="#">Solving one step equations LESSON</a> <a href="#">Solving two step equations LESSON</a> <a href="#">Solving equations GAME</a>
17 May - 21 May	33		
24 May - 28 May	34	7.13.3 Percentage increase & decrease	<a href="#">Percentage of an amount LESSON</a> <a href="#">Percentage increase LESSON</a> <a href="#">Percentage decrease LESSON</a>
31 May - 04 Jun		Half Term	
07 Jun - 11 Jun	35	7.18.1 Averages & 7.18.2 Analysing data	<a href="#">Mean and mode LESSON</a> <a href="#">Median and range LESSON</a> <a href="#">All averages LESSON</a> <a href="#">Line graphs and two way tables LESSON</a> <a href="#">Stem and leaf diagrams LESSON</a>
14 Jun - 18 Jun	36	7.13.4 Comparing with %'s/ % change	<a href="#">Percentages LESSON</a> <a href="#">Problem solving with percentages LESSON</a>
21 Jun - 25 Jun	37	REVISION & END OF YEAR TEST	<a href="#">Nets and surface area LESSON</a>
28 Jun - 02 Jul	38	7.15.3 Volume	<a href="#">Volume and capacity LESSON</a> <a href="#">Volume of a cuboid LESSON</a>
05 Jul - 09 Jul	39	FLEXI	