

Year 9 Support for Home Learning 2020-21

These lessons have been put together using Corbett Maths, the Oak National Academy and onmaths. They are designed to be in line with the topics you would be doing if you were in school.

If the links on the document do not work for any reason, go to Corbett Maths, select 'worksheets' and use the videos and worksheets to guide you.

Remember to check your answers so that you can assess how well you have understood the topics.

You can also make revision cards/ posters to help you with topics you are less confident with.

If the work listed here is not enough, you can supplement it with work from your revision guide/ workbook. You can also use mymaths by working through the booster packs, or justmaths by working through the 'Super 60' topics.

			Home learning resources
24 - 28 Aug	1	Phased return	
31 Aug - 04 Sep	2	9.1.1 Powers, Roots & Surds	Oak Academy - Powers (numbers) Oak Academy - Rules of indices
07 Sep - 11 Sep	3	9.3.1 Expanding & Factorising	Oak Academy - expanding brackets lessons Oak Academy - Factorising lessons
14 Sep - 18 Sep	4	9.4.1 Ratio	Oak Academy - Ratio lessons
21 Sep - 25 Sep	5	9.5.1 Linear sequences incl. Fibonacci	Oak Academy - sequences lessons
28 Sep - 02 Oct	6	9.6.1 Inequality notation & TEST	Oak Academy - inequalities lesson Oak academy - inequalities and equations lesson
05 Oct - 09 Oct	7	9.7.1 Calculate parts of circles	Oak Academy - circles lessons Parts of a circle VIDEO Circumference of a circle VIDEO Circumference of a circle WORKSHEET Area of a circle VIDEO Area of a circle WORKSHEET
12 Oct - 16 Oct	8	9.9.1 Straight line graphs	Oak Academy - Linear graphs lessons
19 Oct - 23 Oct		Half Term	
26 Oct - 30 Oct	9	9.11.1 Probability (indep & ME events)	Oak Academy - Probability lessons Probability VIDEO Probability WORKSHEET Sample spaces VIDEO Sample spaces WORKSHEET
02 Nov - 06 Nov	10	9.12.1 Averages	Oak Academy - Averages lessons
09 Nov - 13 Nov	11	9.1.2 Standard Form	Oak Academy - Powers of 10 lesson Oak Academy - Sorting large numbers lesson Oak Academy - Multiplying and dividing standard form lesson
16 Nov - 20 Nov	12	9.3.2 Forming expressions	Oak Academy - Forming and exploring equations
23 Nov - 27 Nov	13	9.8 Conjecturing	
30 Nov - 04 Dec	14	9.4.2 Congruence & similarity	Oak Academy - congruence lesson Oak academy - congruence in triangles lesson Oak Academy - describing enlargements lesson Oak Academy - similar triangles lesson
07 Dec - 11 Dec	15	9.2.1 Plans & elevations & TEST	

14 Dec - 18 Dec	16	9.6.2 Solve inequalities	Oak Academy - forming & solving inequalities
21 Dec - 25 Dec		Christmas	
28 Dec - 01 Jan		Christmas	
04 Jan - 08 Jan	17	FLEXI	
11 Jan - 15 Jan	18	9.3.3 Quadratics 1 - exp & fac	
18 Jan - 22 Jan	19	9.1.3 Rounding & Error intervals	Highest and lowest values VIDEO Highest and lowest values WORKSHEET Error Intervals VIDEO Error Intervals WORKSHEET
25 Jan - 29 Jan	20	9.4.3 Direct proportion	Proportion VIDEO Proportion WORKSHEET Recipe problems VIDEO Recipe problems WORKSHEET
01 Feb - 05 Feb	21	9.7.2 Volume	
08 Feb - 12 Feb	22	9.10.1 Simultaneous equations - alg methods	Simultaneous equations VIDEO Sim Eqns WORKSHEET Sim Eqns EXAM QUESTIONS
15 Feb - 19 Feb		Half term	
22 Feb - 26 Feb	23	9.11.2 Frequency trees	Oak Academy - Frequency Trees lesson mymaths - frequency trees lesson
01 Mar - 05 Mar	24	9.12.2 Scatter graphs	Oak Academy - representing bi-variate data lesson mymaths - Scatter Graphs lesson mymaths - lines of best fit lesson Oak academy - correlation and causation lesson
08 Mar - 12 Mar	25	9.7.4 Pythagoras' theorem	Oak Academy - Pythagoras' theorem lessons Work through from lesson 1.
15 Mar - 19 Mar	26	9.4.5 Compound measures	Speed, distance, time VIDEO Speed, distance, time WORKSHEET Oak Academy - Density as rate lesson
22 Mar - 26 Mar	27	FLEXI	Use this week to go over learning from a previous week in the year.
29 Mar - 02 Apr		Easter	
05 Apr - 09 Apr		Easter	
12 Apr - 16 Apr	28	9.9.3 SDT and VT graphs (real life)	Oak Academy - Speed as a rate (distance-time graphs) Oak Academy - displacement-time graphs 1 Oak Academy - displacement-time graphs 2
19 Apr - 23 Apr	29	9.1.4 Bounds	Limits of accuracy VIDEO (watch first) Limits of accuracy WORKSHEET Limits of accuracy problem solving VIDEO (watch before doing worksheet) Limits of accuracy problem solving WORKSHEET
26 Apr - 30 Apr	30	9.4.4 Inverse proportion	Oak Academy - Direct and Inverse Proportion lessons Work through these in order.
03 May - 07 May	31	9.7.3 Surface area	Oak Academy - Revising Area lesson Surface area of a cuboid VIDEO Surface area of a cuboid WORKSHEET
10 May - 14 May	32		

			Surface area of other prisms VIDEO
17 - 21 May	33	9.11.3 Tree Diagrams	Tree Diagrams VIDEO Tree diagrams WORKSHEET Oak Academy - Tree diagrams 1 Oak Academy - Tree diagrams 2
24 - 28 May	34	FLEXI	Use this week to go over learning from a previous week in the year.
31 May - 04 Jun		Half Term	
07 Jun - 11 Jun	35	9.3.4 Quadratics 2 - DOTS	Oak Academy - Expanding double brackets Oak Academy - Difference of two squares Oak Academy - Factorising Quadratics
14 Jun - 18 Jun	36	9.9.2 Explore other graphs & TEST	Oak Academy - Recognising different graphs Oak Academy - Plotting quadratic graphs
21 Jun - 25 Jun	37	9.5.2 Quadratic sequences	Oak Academy - Interesting quadratic patterns Geometric progressions VIDEO After watching the video, write down 3 things you have learnt about geometric progressions.
28 Jun - 02 Jul	38	9.12.3 Other graphs & charts	Oak Academy - choosing the right graph lesson
05 Jul - 09 Jul	39	End of term activities	