

Year 10 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	10.2.1 Powers & roots	Laws of Indices VIDEO Laws of Indices WORKSHEET Laws of Indices ANSWERS
07 Sep - 11 Sep	3	10.1.1 Similar triangles	Similar shapes VIDEO Similar shapes WORKSHEET Similar shapes ANSWERS
14 Sep - 18 Sep	4	10.5.1 Exploring binomials	Expanding three brackets VIDEO Expanding three brackets WORKSHEET
21 Sep - 25 Sep	5	10.12.2 Repeated % change	Oak Academy - Percentage change lessons Oak Academy - Repeated Percentage change lessons
28 Sep - 02 Oct	6	10.8.1 Solve inequalities	Oak Academy - revise solving equations Oak Academy - solving and representing inequalities lessons
05 Oct - 09 Oct	7	10.9.1 Calculate Surface area	Oak Academy - surface area of cubes and cuboids lesson Oak Academy - surface area of triangular prisms lesson
12 Oct - 16 Oct	8	TEST & REMEDIAL WORK	Use onmaths.com to have a go at some Foundation mini mock papers: mini mock exams
19 Oct - 23 Oct		Half Term	
26 Oct - 30 Oct	9	10.2.2 Surds	Oak Academy - simplifying surds lesson Simplifying Surds VIDEO Simplifying Surds WORKSHEET
02 Nov - 06 Nov	10	10.14 Understanding risk	Oak Academy - Probability scale lessons Oak Academy - sample spaces and venn diagrams lessons Oak Academy - tree diagrams lessons
09 Nov - 13 Nov	11	10.4.1 Enlargement	Oak Academy - rotation and enlargement lessons Enlargements VIDEO Enlargements WORKSHEET Describing enlargements VIDEO Describing enlargements WORKSHEET
16 Nov - 20 Nov	12	10.9.3 Explore implication of enlargement on APV	Oak Academy - Enlargement and Similarity lessons Similar shapes Area scale factor VIDEO Similar shapes Volume scale factor VIDEO Area and Volume scale factor EXAM QUESTIONS
23 Nov - 27 Nov	13	10.5.2 Exploring quadratic factorisation	Oak Academy - factorising single brackets lessons Oak Academy - factorising quadratics lessons
30 Nov - 04 Dec	14	10.15.1 Sampling	Use onmaths.com to have a go at some Foundation mini mock papers: mini mock exams

07 Dec	- 11 Dec	15	10.9.2 Calculate volume	Oak Academy - volume of cubes and cuboids lesson Oak academy - Volume of prisms lesson
14 Dec	- 18 Dec	16	10.7 Pattern sniffing	Oak Academy - Linear sequences lessons
21 Dec	- 25 Dec		Christmas	
28 Dec	- 01 Jan		Christmas	
04 Jan	- 08 Jan	17	FLEXI	
11 Jan	- 15 Jan	18	10.6 Proportional reasoning & TEST	Oak Academy - Ratio and proportion lessons Proportion VIDEO Proportion WORKSHEET Recipe problems VIDEO Recipe problems WORKSHEET
18 Jan	- 22 Jan	19	10.2.3 Bounds	Oak Academy - rounding & Estimation lessons Highest and lowest values VIDEO Highest and lowest values WORKSHEET Error Intervals VIDEO Error Intervals WORKSHEET
25 Jan	- 29 Jan	20	10.16.1 SLG	Oak Academy - straight line graphs lessons Drawing graphs from tables VIDEO Drawing graphs from equations VIDEO Drawing graphs from tables WORKSHEET – watch the two videos above first Gradient of a line VIDEO Equation of a line VIDEO Equation of a line WORKSHEET
01 Feb	- 05 Feb	21	10.1.2 Trigonometry	Oak Academy - Trigonometry lessons Introduction to Trigonometry VIDEO Trig - missing sides VIDEO Trig - missing angles VIDEO Trigonometry WORKSHEET – make sure you have watched all 3 videos and made notes first! Trigonometry EXAM PAPER
08 Feb	- 12 Feb	22	10.3.2 Sim Eqns	Oak Academy - simultaneous equations lessons Simultaneous equations VIDEO Sim Eqns WORKSHEET Sim Eqns EXAM QUESTIONS
15 Feb	- 19 Feb		Half term	
22 Feb	- 26 Feb	23	10.11.1 Explore kinematic graphs	Oak Academy - Travel graphs lessons Speed, distance, time VIDEO Speed, distance, time WORKSHEET
01 Mar	- 05 Mar	24	10.13 Solving equations and inequalities III	Solving inequalities LESSON 1 Solving inequalities LESSON 2
08 Mar	- 12 Mar	25	10.11.2 Explore features of quadratic graphs	Drawing quadratics VIDEO Drawing quadratics WORKSHEET
15 Mar	- 19 Mar	26		Key features of a quadratic VIDEO Key features of a quadratic WORKSHEET
22 Mar	- 26 Mar	27	10.12.1 Rec dec to fracs & TEST	Oak Academy - recurring decimals lessons Converting fractions to recurring decimals VIDEO Converting recurring decimals to fractions WORKSHEET
29 Mar	- 02 Apr		Easter	
05 Apr	- 09 Apr		Easter	

12 Apr	- 16 Apr	28		Oak Academy - Lessons on rotation and enlargement
			10.4.2 Transformations	Work through all four lessons. Oak Academy - Translation and vectors lessons Again, work through all four of these.
26 Apr	- 30 Apr	30	10.10.1 Intro to circle theorems	Oak Academy - Circle Theorems 1 lessons Oak Academy - Circle Theorems 2 lessons Circle theorems VIDEO Circle theorem examples VIDEO Circle theorems WORKSHEET
03 May	- 07 May	31	10.8.2 Solve inequalities graphically	Graphical inequalities 1 VIDEO Graphical inequalities 1 LESSON Graphical inequalities 2 VIDEO Graphical inequalities 2 LESSON
10 May	- 14 May	32	10.17.1 Vector arithmetic	Oak Academy - Column Vectors 1 Oak Academy - Vector arithmetic
17 May	- 21 May	33	10.5.3 Algebraic fractions	Oak Academy - Algebraic fractions lessons Simplifying algebraic fractions VIDEO Simplifying algebraic fractions WORKSHEET Adding algebraic fractions VIDEO Adding algebraic fractions WORKSHEET
24 May	- 28 May	34	10.17.2 Vector geometry	Oak Academy - Higher vectors lessons Vectors VIDEO Vectors EXAM QUESTIONS https://www.onmaths.com/mock_exams/vectors/
31 May	- 04 Jun		Half Term	
07 Jun	- 11 Jun	35	10.5.4 Change the subject of a formula	Oak Academy - Changing the subject of a formula 1 Oak Academy - Changing the subject of a formula 2
14 Jun	- 18 Jun	36	END OF YEAR MOCKS	Use onmaths.com to have a go at some Foundation mini mock papers: mini mock exams
21 Jun	- 25 Jun	37		
28 Jun	- 02 Jul	38	10.16.2 Equation of a circle	Oak Academy - Graphs of circles lessons Work through each lesson.
05 Jul	- 09 Jul	39	End of term activities	