

	Week 16			Week 17			Week 18		
	Topics	Lesson link (oak national or a pre-recorded lesson from lockdown on blackboard)	Hegarty Maths Clips (use the S maps)	Topics	Lesson link (if appropriate)	Hegarty Maths Clips (use the S maps)	Topics	Lesson link (if appropriate)	Hegarty Maths Clips (use the S maps)
Year 7	Factors	https://www.youtube.com/watch?v=Yk6MTS6E1xM	27	HCF	https://corbettmaths.com/2012/08/24/common-factors-and-hcf/	31	Prime factor decomposition	https://www.youtube.com/watch?v=5gFRUjEY4	30
	Multiples	https://www.youtube.com/watch?v=H4YUjKtQ8dI	33	LCM	https://www.youtube.com/watch?v=DW_vE6YGac	34	Product of prime factors	https://corbettmaths.com/2012/08/20/product-of-primes/	
	Divisibility rules	https://www.youtube.com/watch?v=Y1pAKJ4c1M	26	Worded HCF LCM	https://www.youtube.com/watch?v=92IRWVDQw				
	Primes	https://www.youtube.com/watch?v=FBbHz7v2Kq	28	Reverse HCF LCM					
Year 8	Introducing Probability : Inequalities	https://corbettmaths.com/2013/05/18/inequalities/	46	Ratio : Factors of a number	https://corbettmaths.com/2012/08/24/factors/	27	3D Shapes : Properties of 3D shapes	https://corbettmaths.com/2012/08/20/properties-of-3d-shapes/	820
	Probability as numbers	https://corbettmaths.com/2013/06/15/probability/	350	Equivalent Ratio	https://corbettmaths.com/2013/03/03/simplifying-ratio/	328	Volume of a Cuboid	https://corbettmaths.com/2012/08/09/volume-of-cuboids-and-cubes/	568, 569
	Probability : Relative Frequency	https://corbettmaths.com/2013/06/20/relative-frequency/	356, 357	Sharing Ratio / Finding Parts	https://corbettmaths.com/2013/03/03/ratio-sharing-the-total/	331	Volume of a Prism	https://corbettmaths.com/2013/04/20/volume-of-a-prism/	570
	Probability : And / Or rules	https://corbettmaths.com/2013/06/15/the-or-rule/	359, 360	Problem Solving with Ratio	https://corbettmaths.com/2018/01/29/given-2-ratios/ https://corbettmaths.com/2018/12/31/ratio-d	332	Solving problems : Working Backwards	https://corbettmaths.com/2013/03/24/volume-of-an-l-shape-prism/	571
Year 9	Operations with negative numbers	Negatives: Addition and Subtraction Video – Corbettmaths https://corbettmaths.com/2012/08/20/negatives-addition-and-subtraction-video/	39-43	Positive Indices and Roots	Laws of Indices Video – Corbettmaths	102-107	Factors and multiples	Multiples Video – Corbettmaths https://corbettmaths.com/2012/08/24/factors/	27, 33
	Apply order of operations	Order of Operations Video – Corbettmaths	24,44	Index laws Positive and Negative powers	Negative Indices Video – Corbettmaths	104	HCF and LCM	https://www.youtube.com/watch?v=DW_vE6YGac https://www.youtube.com/watch?v=ASAc6_kBl4	31,34
	Square and Cube roots	https://corbettmaths.com/2012/08/13/1337/ https://corbettmaths.com/2012/08/20/square-roots/	99-101	Index Laws Zero, Fractional and Negative	Fractional Indices Video – Corbettmaths	103-104	Prime Factor Decomposition	Product of Primes Video – Corbettmaths	29-30
	Powers of 2,3,4,5	powers – Corbettmaths	102-104	Fractional Powers	Fractional Indices Video – Corbettmaths	108-109	Prime Factors LCM and HCF	LCM and HCF Product of Primes Video – Corbettmaths	32, 35
	Homework- Trigonometry (Hegarty)		509	Homework - Elevation and Depression		515	Homework - Exact Values		845
Year 10 F	Density 14a	https://corbettmaths.com/2016/06/07/density/	725	Express a number as a percentage of another number 14g	https://corbettmaths.com/2012/08/21/multipliers-for-increasing-and-decreasing-by-a-percentage/	89			
	Pressure 14a	https://corbettmaths.com/2016/07/28/pressure/	734	Calculate Percentage profit or loss 14h	https://corbettmaths.com/2012/08/21/increasing-or-decreasing-by-a-percentage/	761			
	Calculate average Speed, Distance and Time 14e	https://corbettmaths.com/2016/01/01/speed-distance-time/	716	Find the original amount given the final amount 14j	https://www.youtube.com/watch?v=gg7pYqFRig	96			
	Use kinematics formula to calculate acceleration 14f	https://corbettmaths.com/2018/03/23/average-rate-of-change/	918	Use Compound Interest	https://corbettmaths.com/2012/08/21/compound-interest/	94			
Year 10 H	Simplifying Surds	https://corbettmaths.com/2013/05/11/surds/	115	add,subtract, multiply, divide fractions recap		65,66,67,68,69,70			
	Expanding brackets with surds	https://corbettmaths.com/2013/05/11/surds-expanding-brackets/	116,117	simplify algebraic fractions	https://corbettmaths.com/2013/01/19/simplifying-algebraic-fractions/	229			
	Rationalising the denominator	https://corbettmaths.com/2013/05/11/rationalising-denominators/	118	multiply and divide algebraic fractions	https://corbettmaths.com/2019/12/30/algebraic-fractions-videos/				
	Rationalising the denominator (harder)	https://corbettmaths.com/2019/11/19/rationalising-denominators-harder-video/	119	add and subtract algebraic fractions	https://corbettmaths.com/2019/12/30/algebraic-fractions-videos/				
	Surds exam questions	https://corbettmaths.com/wp-content/uploads/2013/02/surds.pdf		solve quadratic equations from algebraic fractions	https://www.youtube.com/watch?v=Aac_B1YtLg	244			
Year 11 F	Two-way tables	https://corbettmaths.com/2012/08/10/two-way-tables/	422-424	Median from a frequency table	https://corbettmaths.com/2013/03/16/median-for-a-frequency-table/	416			
	Frequency trees	https://corbettmaths.com/2017/03/26/frequency-trees/	368, 369	Mean from a frequency table	https://corbettmaths.com/2012/08/19/means-from-frequency-tables/	417			
	Probability of single events	https://corbettmaths.com/2013/06/15/probability/	351, 352	Scatter graphs	https://corbettmaths.com/2012/08/10/scatter-graphs/	453, 454			
	Probability trees	https://corbettmaths.com/2013/05/07/tree-diagrams/	361, 362	Drawing straight line graphs	https://corbettmaths.com/2012/12/23/drawing-graphs-using-xy-tables/	217			
	Venn Diagrams	https://corbettmaths.com/2016/08/07/venn-diagrams/	372, 378	Bar charts	https://corbettmaths.com/2013/04/15/drawing-bar-charts/	425			
Year 11 H	Produce geometrical proofs to prove points are collinear and vectors/lines are parallel.		632	Recognise, sketch and interpret graphs of the reciprocal function $y=1/x$ with $x \neq 0$ State the value of x for which the equation is not defined;		301	Use calculators to explore exponential growth and decay; Set up, solve and interpret the answers in growth and decay problems;		804
	Produce geometrical proofs to prove points are collinear and vectors/lines are parallel.		633	Recognise, sketch and interpret graphs of exponential functions $y = k^x$ for positive values of k and integer values of x ;		302	Use calculators to explore exponential growth and decay; decay problems;		805
	Produce geometrical proofs to prove points are collinear and vectors/lines are parallel.		634	Recognise, sketch and interpret graphs of exponential functions $y = k^x$ for positive values of k and integer values of x ;		800/801	Use calculators to explore exponential growth and decay; decay problems;		806
	Produce geometrical proofs to prove points are collinear and vectors/lines are parallel.		635	Recognise, sketch and interpret graphs of exponential functions $y = k^x$ for positive values of k and integer values of x ;		802	Use calculators to explore exponential growth and decay; decay problems;		807
	function $y=1/x$ with $x \neq 0$ State the value of x for which the equation is not defined;		300	Recognise, sketch and interpret graphs of exponential functions $y = k^x$ for positive values of k and integer values of x ;		803	decay problems;		808

