

Year 7

Week	Independent Study (Hegarty Maths)	Independent Study (Link)
1	Data grouping & mode, medium, range. Tasks: 397, 401, 402, 404, 409, 410	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/median-from-a-frequency-table-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/averages-and-range-pdf.pdf
2	Averages and comparing data. Tasks: 405, 406, 422, 423, 424, 425	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/mean-from-a-frequency-table.pdf https://corbettmaths.com/wp-content/uploads/2018/12/Reading-Bar-Charts.pdf
3	Addition and subtraction. Tasks: 15, 16, 17, 18, 19, 20	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/addition-pdf2.pdf https://corbettmaths.com/wp-content/uploads/2013/02/subtraction-pdf.pdf
4	Multiplication, division, money and time Tasks: 21, 22, 23, 745, 746, 755	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/multiplication-pdf1.pdf https://corbettmaths.com/wp-content/uploads/2013/02/division-pdf1.pdf
5	Negative number & factors, multiples, primes Task: 39, 40, 41, 27, 33, 28	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/arithmic-with-negatives-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/multiples-factors-primes-pdf.pdf
6	More factors, multiples, primes & square numbers and square roots Task: 28, 29, 99, 101	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/square-numbers-and-square-roots-pdf1.pdf

Year 8

Week	Independent Study (Hegarty Maths)	Independent Study (Link)
1	Number calculations & divisibility Task: 21, 22, 23, 24, 25, 26	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/place-value-operations-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/division-pdf1.pdf
2	Calculating with negative numbers: Task: 38, 39, 40, 41, 42, 43	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/arithmic-with-negatives-pdf.pdf
3	Number: powers and roots Task: 15, 16, 44, 99, 100, 101	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/square-numbers-and-square-roots-pdf1.pdf
4	Powers, roots, brackets (BIDMAS) Task: 24, 44, 120, 150,	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/order-of-operations-pdf.pdf
5	Lowest common factor (LCM) & Highest Common Factor (HCF) Task: 29, 30, 31, 32, 33, 34	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/multiples-factors-primes-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/lcm-hcf-pdf.pdf
6	Area of triangle, parallelogram and trapezium Task: 554, 555, 556, 557, 558, 559	www.hegartymaths.com Extension work: https://corbettmaths.com/wp-content/uploads/2013/02/area-of-a-triangle-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/area-of-a-parallelogram-pdf.pdf https://corbettmaths.com/wp-content/uploads/2013/02/area-of-a-trapezium.pdf

Year 9 (F)

Week	Independent Study (Description)	Independent Study (Link)
1	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	150 - Order of operations 4 (combined) 46 - Compare decimal numbers 42 - Multiplying positive & negative numbers 43 - Dividing positive & negative numbers https://www.mathsgenie.co.uk/resources/1-place-value-ws.pdf
2	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	47 - Addition & subtraction with decimals 50 - Division of decimals 56 - Round decimal numbers https://www.mathsgenie.co.uk/resources/1-rounding-ws.pdf
3	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	51 - Worded problems involving decimals 102 - Index form 1 (intro) 99 - Square numbers 101 - Square & cube roots https://www.mathsgenie.co.uk/resources/6-powers-and-squareroots.pdf
4	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	103 - Index form 2 (power of 0 & 1) 105 - Index form 4 (multiplying indices) 106 - Index form 5 (dividing indices) 107 - Index form 6 (power of power rule) https://www.mathsgenie.co.uk/resources/4-indices-ws.pdf
5	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	28 - Prime numbers 34 - Lowest common multiple (listing) 31 - Highest common factor (listing) 29 - Prime factorisation 1 https://www.mathsgenie.co.uk/resources/4-HCF-and-LCM-ws.pdf
6	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	30 - Prime factorisation 2 32 - Highest common factor (prime factorisation) 35 - Lowest common multiple (prime factorisation) https://www.mathsgenie.co.uk/resources/4-HCF-and-LCM.pdf

Year 9 (H)

Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Calculations, checking, rounding	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	129 - Complex calculations using a calculator 130 - Round to significant figures 131 - Estimate complex calculations 132 - Appropriate degrees of accuracy https://www.mathsgenie.co.uk/resources/1-rounding.pdf https://www.mathsgenie.co.uk/resources/2-calculation-problems.pdf
2	HCF, LCM	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	29 - Prime factorisation 1 30 - Prime factorisation 2 32 - Highest common factor (prime factorisation) 35 - Lowest common multiple (prime factorisation) https://www.mathsgenie.co.uk/resources/4-HCF-and-LCM.pdf
3	Calculating with indices	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	104 - Index form 3 (power of negative integers) 105 - Index form 4 (multiplying indices) 106 - Index form 5 (dividing indices) 107 - Index form 6 (power of power rule) https://www.mathsgenie.co.uk/resources/4-indices.pdf
4	Zero, negative, fractional indices	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	108 - Index form 7 (powers of unit fractions) 109 - Index form 8 (powers of non-unit fractions) 110 - Index form 9 (combination of rules) https://www.mathsgenie.co.uk/resources/6-fractional-and-negative-indices.pdf#
5	Standard Form	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	122 - Ordinary to standard form 123 - Standard form to ordinary 125 - Multiplying with standard form 126 - Dividing with standard form https://www.mathsgenie.co.uk/resources/5-standard-form.pdf
6	Surds	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	113 - Multiplication & division with surds 1 114 - Multiplication & division with surds 2 115 - Simplifying surds https://www.mathsgenie.co.uk/resources/7-surds.pdf

Year 10 (F)

Week	Independent Study (Description)	Independent Study (Link)
1	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	177 - Solve equations using inverse operations 177 - Solve equations using inverse operations 184 - Solve equations with x on both sides 1 183 - Solve 3-step equations. https://www.mathsgenie.co.uk/resources/3-solving-equations-ws.pdf
2	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	269 - Solve single linear inequalities 1 (positive x) 270 - Solve single linear inequalities 2 (negative x) 271 - Solve single linear inequalities 3 (difficult) https://www.mathsgenie.co.uk/resources/4-inequalities-ws.pdf
3	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	919 - Arithmetic sequences (1) 198 - Linear sequences (nth term) 197 - Linear sequences (term-to-term rule) 196 - Linear sequences from pictures https://www.mathsgenie.co.uk/resources/4-sequences-ws.pdf
4	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	404 - Mode 409 - Median 405 - Mean (1) 419 - Averages & range (problem solving) (1) https://www.mathsgenie.co.uk/resources/2-averages-ws.pdf
5	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	415 - Mode from frequency tables 416 - Median from frequency tables 417 - Mean from frequency tables (1) 420 - Averages & range (problem solving) (2) https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tables-ws.pdf
6	Hegarty Maths (Compulsory Task) + Link to extension Task (optional)	407 - Mean (3) 413 - Selecting appropriate averages 421 - Averages & range (problem solving) (3) https://www.mathsgenie.co.uk/resources/4-averages-from-frequency-tables.pdf

Year 10 (H)

Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Equations (Quadratics + Completing the Square)	Hegarty Maths Tasks 230, 231, 238 + Link to extension Task (optional - Dr. Frost Challenging Quadratics)	https://hegartymaths.com/solving-quadratic-equations-1-by-factorising https://hegartymaths.com/solving-quadratic-equations-2-by-factorising https://hegartymaths.com/solving-by-completing-the-square-1 https://www.drfrostmaths.com/getfile.php?fid=572
2	Equations (Simultaneous Equations)	Hegarty Maths Tasks 191, 193, 194 + Link to extension Task (optional - Solving Quadratics Full Coverage)	https://hegartymaths.com/simultaneous-equations-by-elimination-2 https://hegartymaths.com/simultaneous-equations-by-elimination-4 https://hegartymaths.com/simultaneous-equations-by-substitution https://www.drfrostmaths.com/getfile.php?fid=934
3	Equations (Review + GEM)	Hegarty Maths Tasks 233, 239 + Link to extension Task (optional, Simultaneous Equations Full Coverage)	https://hegartymaths.com/solving-quadratic-equations-4-by-factorising https://hegartymaths.com/solving-by-completing-the-square-2 https://www.drfrostmaths.com/getfile.php?fid=922
4	Inequalities	Hegarty Maths Tasks 268, 270, 272 + Link to extension Task (optional - Dr. Frost Full Coverage Inequalities)	https://hegartymaths.com/multiple-inequalities-on-a-number-line https://hegartymaths.com/solve-single-linear-inequalities-2-negative-x https://hegartymaths.com/solve-double-linear-inequalities https://www.drfrostmaths.com/resource.php?rid=372
5	Probability	Hegarty Maths Tasks 356, 360, 361 + Link to extension Task (optional - Dr. Frost Full Coverage Probability)	https://hegartymaths.com/experimental-probability-relative-frequency https://hegartymaths.com/independent-events https://hegartymaths.com/independent-events-probability-trees-1 https://www.drfrostmaths.com/resource.php?rid=336
6	Conditional Probability	Hegarty Maths Tasks 365, 368 + Link to extension Task (optional - Dr. Frost Full Coverage Probability)	https://hegartymaths.com/conditional-probability-2 https://hegartymaths.com/frequency-trees-1 https://www.drfrostmaths.com/resource.php?rid=336

Year 11		
Higher		
WEek	Independent Study (Description)	Independent Study (Link)
1	223 to 229 - Factorising Quadratics	https://www.mathsgenie.co.uk/resources/7-factorising-harder-quadratics-ws.pdf
	190 to 195 - Simultaneous Equations	https://www.mathsgenie.co.uk/resources/9-completing-the-square-ws.pdf
	235 to 239 - Completing the Square	https://www.mathsgenie.co.uk/resources/5-simultaneous-equations-ws.pdf
2	280 to 286 - Changing the Subject	https://www.mathsgenie.co.uk/resources/7-algebraic-fractions-ws.pdf
	172, 187, 229, 244 - Algebraic Fractions	https://www.mathsgenie.co.uk/resources/7-direct-and-inverse-proportion-ws.pdf
3	339 to 348 - Direct and Inverse Proportion	https://www.mathsgenie.co.uk/resources/7-surds-ws.pdf
	113 to 119 - Surds	https://www.mathsgenie.co.uk/resources/functions-ws.pdf
4	288, 289 and 293 to 297 - Functions	https://www.mathsgenie.co.uk/resources/9-proof-ws.pdf
	325, 326 - Algebraic Proof	https://www.mathsgenie.co.uk/resources/quadraticsequences-ws.pdf
5	247 to 250 - Quadratic Sequences	https://www.mathsgenie.co.uk/resources/9-vectors-ws.pdf
	628 to 636 - Vectors	https://www.mathsgenie.co.uk/resources/quadraticsequences-ws.pdf
6	Vectors	https://www.mathsgenie.co.uk/resources/9-vectors-ws.pdf

Year 11			
Foundation			
Week	Knowledge Organiser	Independent Study (Description)	Independent Study (Link)
1	Hegarty Maths	539 to 543 - Area of a Circle	https://www.mathsgenie.co.uk/resources/2-area-and-perimeter-ws.pdf
		546 to 547 - Area of a Sector	https://www.mathsgenie.co.uk/resources/37_area-of-compound-shapes-ws.pdf
2	Hegarty Maths	570 to 573 - Volume of a Prism and Cylinders	https://www.mathsgenie.co.uk/resources/3-circles-area-and-circumference-ws.pdf
			https://www.mathsgenie.co.uk/resources/4-volume-of-a-prism-ws.pdf
3	Hegarty Maths	60 to 82 - Fractions, Decimals and Percentages	https://www.mathsgenie.co.uk/resources/73_volume-and-surface-area-of-cylinder-ws.pdf
4	Hegarty Maths	60 to 82 - Fractions, Decimals and Percentages	https://www.mathsgenie.co.uk/resources/3-fractions-ws.pdf
			https://www.mathsgenie.co.uk/resources/3-percentages-ws.pdf
5	Hegarty Maths	102 to 108 - Indices	https://www.mathsgenie.co.uk/resources/3-fractions-ws.pdf
			https://www.mathsgenie.co.uk/resources/3-percentages-ws.pdf
6	Hegarty Maths	122 TO 130 - Standard Form	https://www.mathsgenie.co.uk/resources/4-indices-ws.pdf
			https://www.mathsgenie.co.uk/resources/5-standard-form-ws.pdf