

## Edexcel GCSE Mathematics (Foundation target the Grades 4-5)

The table shows the contents of each Group of lessons, mapped to the specification. Some lessons may appear in more than one Group.

Lesson Group	Specification coverage	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
<b>A:</b>	Number N4, N6, N2, N3, N8	Prime numbers, factors and multiples	Prime Factor form (PFF) Highest common factor, (HCF) Lowest common multiple  (LCM)	Special sequences, squares, cubes and roots. (Inc use of calculator to find them)	BIDMAS, four rules, and use of powers/indices	Fractions review, simplify, add, subtract, multiply and divide.	<b>A</b>	<b>A</b>
<b>B:</b>	Geometry G1, G3, G4, G9, G14, G16, G17,	Review area and perimeter of rectangle, triangle, parallelogram (Grade 2) (compound shapes Grade 3+)	Circle definitions, area and circumference of a circle	Angle rules, angles in a triangle, (inc equilateral and isosceles) straight line, within parallel lines.	Angles within polygons alongside naming polygons	Volume of cube, cuboid, triangular prism, cylinder.	<b>B</b>	<b>B</b>
<b>C:</b>	Algebra A1, A2, A4, A17, A21	Simplify expressions, inc addition, subtraction, multiplication and division (focus on indice rules) review substitution	Expanding brackets, incl expand and simplify questions	Solving linear equations involving brackets and simplifying $3(x+2)=17$ ext $4(y-7) +$ $3(6+2y)= 53$ (dec)	Solve linear equations with brackets, simplifying and unknowns on both sides $3(t-6) +$ $5(3t+6)=12t -18$	Solving algebraic equations in practical contexts (link mainly to geometry unit) angles, area, volume	<b>C</b>	<b>C</b>

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		(simple no powers)						
<b>D:</b>	Stats and Prob P1-P8 S2, S4, S6	Review of basic average calculation from discrete data moving to averages from a table	Draw and interpret a pie chart	Draw and interpret a scatter graph, focus on terminology and use of line of best fit.	Review basic probability questions, including the use of two-way tables. (review basic skills with decimals)	Probability problems using a frequency tree or a simple tree diagram. (review basic skills with fractions)	<b>D</b>	<b>D</b>
<b>E:</b>	Ratio and Percentage R1, R3, R4, R5, R6, R8, R9, R11, R16	Basic % of amount, increase and decrease using multiplier method	Repeated % change, Compound interest and Simple interest	Ratio, simplifying, sharing into a ratio, 1:n questions and fractions as ratios	Conversions, metric and using a conversation graph.	Distance time graphs and link to speed.	<b>E</b>	<b>E</b>
<b>F:</b>	Algebra/Sequences A23, A24, A25, A19, A8, A9, A10,	Review special sequences, generate a sequence from the nth term formula	Find the nth term formula for a linear sequence. Fibonacci sequence, recognize and continue.	Link linear sequences to drawing straight line graphs. Be able to draw a graph $y=2x+3$ (review substitution)	Be able to recognize the gradient of a line, both in equation form and from a graph. Understand parallel lines have the same gradient.	Plot two straight lines and solve simultaneously. Practice of substitution and plotting as well as where the lines cross.	<b>G</b>	<b>G</b>
<b>G:</b>	Number	Rounding to the nearest 10,100,	Standard form conversion from	Standard form, conversion	Working with inequalities, on a	Bounds, upper and lower and	<b>H</b>	<b>H</b>

## Pearson Tutoring Programme Resources Mapping

Lesson Group	Specification coverage	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	Pre-Test	Post-Test
		1000, dp, sf, inc estimating answers	normal numbers to standard form notation.	from standard form to normal numbers	number line, integers that satisfy.	link to rounding an inequality work in this unit.		