

Mathematics – Year 8 Report Feedback Sheet

Please find below information on each of the topics outlined on your child’s report for Mathematics. We have broken down each topic into the relevant objectives to help you support your child in improving on their ‘insecure’ or ‘developing’ topics. We have directed you to a Hegarty Maths clip number on each of the topics to allow your child to improve further.

Topic 1 – Area and Perimeter	Resources
Find the perimeter of a shape	548
Find the area of a rectangle	554
Find the area of: - Triangles - Parallelograms - Trapeziums	557 556 559
Find the perimeter of compound shapes	551
Find the area of compound shapes	555

Topic 2 – Circles	Resources
Calculate the circumference of a circle	534
Calculate the area of a circle	539
Find the perimeter of a semicircle / quarter circle	536
Find the area of a semicircle / quarter circle	541
Find the area of a sector	546
Calculate the circumference of a circle	534

Topic 3 – Angles	Resources
Angles on a straight line	477
Angles around a point	821
Angles in a triangle	485
Angles in a quadrilateral	-
Corresponding, alternate and vertically opposite angles	480-483
Exterior and interior angles of a regular polygon	561 - 563

Topic 4 – Symbols	Resources
Collecting like terms	156 157
Simplify expressions involving multiplication	158
Simplify expressions involving division	159
Expand a single Bracket	160
Expand 2 single brackets and simplify	161
Factorise simple expressions	168
Expand and simplify double brackets	163
Factorise quadratic expressions	223

Topic 5 – Solving	Resources
Solve one step equations	178
Solve 2 step equations	179
Solve equations with brackets	179
Solve equations with x on both sides of the equal sign	184
Solve quadratic equations by factorising	230
Solve a pair of simultaneous equations	191

Topic 6 - Formulae	Resources
Write Algebraic expressions	151-153
Substitute numbers into a simple formulae	155 189
Substitute numbers into more complicate formulae	278