

Using T5 materials in the spring term

	LEARNING OBJECTIVES SELECTED FROM THE Y9 INTERVENTION PLAN	ACTIVITIES AND RESOURCES
<p>Links to the Y9 intervention plan</p> <p>Shape, space and measures 2</p>	<ul style="list-style-type: none"> Use units of measurement to estimate, calculate and solve problems in everyday contexts involving length, area, volume, capacity, mass, time and angle. Deduce and use formulae for the area of a triangle, parallelogram and trapezium; calculate areas of compound shapes made from rectangles and triangles. Know and use the formula for the volume of a cuboid. 	<p>Snapper 9: Halving rectangles (area and perimeter)</p> <p>Add-on 6: Shape and space: area and perimeter</p> <p>Stinger 11: Folding rectangles (area and perimeter)</p> <p>Top Ten X2 and X3</p>
<p>Number 3</p>	<ul style="list-style-type: none"> Recall known facts, including fraction to decimal conversions; use known facts to derive unknown facts. Add and subtract integers and decimals with up to two places. Multiply and divide integers and decimals, including by decimals such as 0.6 or 0.06; understand where to position the decimal point. Calculate fractions of quantities. 	<p>Snapper 1: Hundreds and thousands (place value)</p> <p>Snapper 2: Sports results (place value)</p> <p>Add-on 1: Number: place value</p> <p>Stinger 1: Decimal numbers and measures (problem solving)</p> <p>Stinger 2: Weigh it up (problem solving)</p> <p>Stinger 3: Car parking (problem solving)</p> <p>Top Ten X1 and X4</p>
<p>Algebra 3</p>		
<p>Number 4</p>	<ul style="list-style-type: none"> Consolidate understanding of the relationship between ratio and proportion. Divide a quantity into two or more parts in a given ratio; use the unitary method to solve simple word problems involving ratio. Solve simple problems. 	<p>Snapper 5: Year 9 maths (ratio)</p> <p>Add-on 2: Number: money problems</p> <p>Stinger 4: Travel passes (money problem)</p> <p>Stinger 7: Ages (ratio)</p> <p>Top Ten X5 and Y1</p>
<p>Handling data 2</p>	<ul style="list-style-type: none"> Find and justify theoretical probabilities based on equally likely outcomes. Know that if the probability of an event occurring is p, then the probability of it not occurring is $1 - p$; find and record all possible mutually exclusive outcomes for single events. 	<p>Snapper 15: Fairground games (probability)</p> <p>Add-on 12: Handling data: probability</p> <p>Stinger 15: Fair games (probability)</p> <p>Top Ten Z3 and Z4</p>

LEARNING OBJECTIVES SELECTED FROM THE Y9 INTERVENTION PLAN		ACTIVITIES AND RESOURCES
<p>Links to the Y9 intervention plan</p> <p>Shape, space and measures 3</p>	<ul style="list-style-type: none"> Know and use geometric properties of cuboids and shapes made from cuboids; begin to use plans and elevations. Transform 2-D shapes by simple combinations of rotations, reflections and translations; identify all the symmetries of 2-D shapes. Understand and use the language and notation associated with enlargement; enlarge 2-D shapes given a centre of enlargement and a positive whole-number scale factor. 	<p>Snapper 10: Nets of cuboids (nets and solids)</p> <p>Snapper 11: Angles and transformations (angles and symmetry)</p> <p>Snapper 12: Transformations (transformations)</p> <p>Add-on 7: Shape and space: 2-D to 3-D</p> <p>Add-on 9: Shape and space: transformations</p> <p>Stinger 12: It's in the net (nets and solids)</p> <p>Top Ten Y4 and Y5</p>
<p>Algebra 4</p> <p>Algebra 1 and 2 review</p>	<ul style="list-style-type: none"> Generate terms of a linear sequence using term-to-term and position-to-term definitions of the sequence. Begin to use linear expressions to describe the nth term of an arithmetic sequence. Express simple functions in symbols. Simplify linear expressions by collecting like terms. Construct and solve simple linear equations with integer coefficients. Use simple formulae from mathematics and other subjects; substitute positive integers into simple formulae. 	<p>Snapper 6: Arrows (sequences)</p> <p>Snapper 7: Twelve days of Christmas (expressions and equations)</p> <p>Snapper 8: Substitution spider (substitution)</p> <p>Add-on 4: Algebra: sequences and patterns</p> <p>Add-on 5: Algebra: expressions</p> <p>Stinger 8: Huts (sequences)</p> <p>Stinger 9: Substitution (substitution)</p> <p>Stinger 10: Simplifying and solving (equations and expressions)</p> <p>Top Ten Z1, Z2 and Z5</p>
<p>Solving problems and revision</p>	<ul style="list-style-type: none"> Recognise the equivalence of fractions, decimals and percentages. Calculate simple percentages. Find the outcome of a given percentage increase or decrease. Use fraction notation to describe parts of shapes. Calculate simple fractions of quantities. Solve geometrical problems using side and angle properties of equilateral, isosceles and right-angled triangles and special quadrilaterals, explaining reasoning with diagrams and text. Construct simple pie charts. Interpret tables, graphs and diagrams for discrete data and draw inferences that relate to the problem. Calculate the range, mean, median and mode. Compare two distributions using the range, mean, median and mode. 	<p>Snapper 3: Stepping stones to percentages (percentages)</p> <p>Snapper 4: Stepping stones to fractions (fractions)</p> <p>Snapper 13: Potato bar chart (interpreting data)</p> <p>Snapper 14: Potato pie chart (pie charts)</p> <p>Snapper 16: Mean maths (averages)</p> <p>Add-on 3: Number: percentages and fractions</p> <p>Add-on 8: Shape and space: shapes and angles</p> <p>Add-on 10: Handling data: interpreting data</p> <p>Add-on 11: Handling data: pie charts</p> <p>Stinger 5: Shortcuts with percentages (percentages)</p> <p>Stinger 6: Adding, ordering and equivalents (fractions)</p> <p>Stinger 13: Star pattern (angles and symmetry)</p> <p>Stinger 14: Favourite books (pie charts)</p> <p>Stinger 16: Game scores (averages)</p> <p>Top Ten Y2 and Y3; use mental tests from previous years as practice</p>
<p>May</p>	<p>Key Stage 3 Tests</p>	