

Year 5 Maths Curriculum Medium Term Plan (Learning Objectives)- Summer Term 2017

Whole School Theme: The World Around Us / Year Group Theme: The 3 'R's'	
Values	Thankfulness/Friendship
Learning Skills	-Curiosity -Communication -Teamwork -Determination -Confidence -Independence -Focus -Aspiration
Curriculum Drivers	Knowledge of the world- Who am I? What is my locality? How do I fit in with the wider world? Possibilities- How can I 'Be the Best I can Be?' How can I make the most of my opportunities? Community- How can I take responsibility for my school and local community? How does my community compare with others? How can I help others?
Blocked Learning	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Geometry – Properties of Shape</u></p> <ul style="list-style-type: none"> • identify 3-D shapes, including cubes and other cuboids, from 2-D representation • know angles are measures in degrees: estimate and compare acute, obtuse and reflex angles • draw given angles, and measure them in degrees (°) • identify: • draw given angles, and measure them in degrees (°) • identify: <ul style="list-style-type: none"> ○ angles at a point and one whole turn (total 360°) ○ angles at a point on a straight line and ½ a turn (total 180°) ○ other multiples of 90° • use the properties of rectangles to deduce related facts and find missing lengths and angles • distinguish between regular and irregular polygons based on reasoning about equal sides and angles. </div> <div style="width: 48%;"> <p><u>Measurement</u></p> <ul style="list-style-type: none"> • measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres • calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes <p>(3 weeks)</p> <p><u>Geometry – position and direction</u></p> <ul style="list-style-type: none"> • identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language and know that the shape has not changed <p>(3 weeks) Spare week to take in trips/sports day</p> </div> </div>
Ongoing	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>Addition and Subtraction</u></p> <ul style="list-style-type: none"> • add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers • use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy • solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. </div> <div style="width: 48%;"> <p><u>Fractions (including decimals and percentages)</u></p> <ul style="list-style-type: none"> • compare and order fractions whose denominators are all multiples of the same number • identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths • recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements >1 as a mixed number [for example, $\frac{3}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$] • add and subtract fractions with the same denominator and denominators that are multiples of the same number • multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams <p><u>Multiplication and Division</u></p> <ul style="list-style-type: none"> • solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes • solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign • solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates </div> </div>