

Year6MathsCurriculumMediumTermPlan(LearningObjectives)-SpringTerm2018

Whole School Theme: Present, Past and Future / Year group Theme: Tomb Raiders	
Values	Kindness/integrity
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>WrittenMethods</u> Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. Solve problems involving addition, subtraction, multiplication and division. Use estimation to check answers to calculation and determine, in the context of the problem, an appropriate degree of accuracy. Add and subtract decimals with up to two places. Multiply a simple decimal by up to a two digit number. Check the reasonableness of an answer using inverse operations. Divide numbers up to 4 digits by a 2 digit whole numbers using the formal method and interpret remainders as whole numbers remainders, fractions, or rounding as appropriate. Use written division methods in cases where the answer has up to two decimal places. Add, subtract, multiply and divide numbers mentally with increased fluency.</p> <p style="text-align: center;">(2 Week)</p> <p><u>Fractions(includingdecimalsandpercentages)</u> Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fraction >1. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form. Divide proper fractions by whole numbers. Associate a fraction with division and calculate decimal fraction equivalents for a simple fraction. Recall and use equivalences between simple fractions, decimals and percentages including in different contexts. Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths. Recognise mixed number and improper fractions and convert from one form to the other. Solve problems which require knowing percentage and decimal equivalents. Calculate fraction and percentages of quantities and measurements.</p> <p>(3 Weeks)</p> <p>Plus assessment week 6 weeks</p> </div> <div style="width: 48%;"> <p><u>Algebra</u> Use simple formulae. Generate and describe linear number sequences. Express missing number problems algebraically. Find pairs of numbers that satisfy number sentences involving two unknowns. Enumerate possibilities of combinations of two variables.</p> <p>(1 week)</p> <p><u>Geometry–PropertiesofShape</u> Use and interpret coordinates in all four quadrants. Complete a simple symmetrical figure with respects to a specific line of symmetry. Translate a shape horizontally or vertically and reason about a shapes position. Use knowledge of interior angles to calculate missing angles in a triangle.</p> <p>(3 weeks)</p> <p><u>Ratio and Proportion</u> Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. Solve problems involving the calculation of percentages (percentage of amounts) Solve problems involving similar shapes where the scale factor is known or can be found. Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p> <p>(1 Week)</p> <p><u>HandlingData&Statistics</u> Interpret and construct pie charts to solve problems.</p> <p>(1 Week)</p> <p>Plus assessment week and review 6 weeks</p> </div> </div>
Ongoing	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p><u>MentalMethodsandStrategies</u> Know and practice strategies for mental addition and subtraction problems including counting on and partitioning. Know and practice mental strategies for multiplication and division.</p> <p><u>TimesTableFluency</u> Know with increased speed and fluency our times tables up to 12.</p> </div> <div style="width: 48%;"> <p><u>MentalMethodsandStrategies</u> Know and practice strategies for mental addition and subtraction problems including counting on and partitioning. Know and practice mental strategies for multiplication and division.</p> <p><u>TimesTableFluency</u> Know with increased speed and fluency our times tables up to 12.</p> </div> </div>

