

Year 4 Maths Curriculum Medium Term Plan (Learning Objectives)- Spring Term 2015

Whole School Theme: Present, Past and Future / Year Group Theme: Adventus Saxonum	
Values	Bravery/Forgiveness
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	<p><u>Numbers and Place Value</u></p> <ul style="list-style-type: none"> ● count backwards through zero to include negative numbers ● read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value. <p><u>Multiples and Division</u></p> <ul style="list-style-type: none"> ● use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers ● recognise and use factor pairs and commutativity in mental calculations ● multiply two-digit and three-digit numbers by a one-digit number using formal written layout ● solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. <p><u>Money</u></p> <p>estimate, compare and calculate different measures, including money in pounds and pence (4 weeks)</p> <p><u>Measurement</u></p> <ul style="list-style-type: none"> ● read, write and convert time between analogue and digital 12- and 24-hour clocks ● solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days. <p><u>Time</u></p> <ul style="list-style-type: none"> ● Convert between different units of measure [for example, kilometre to metre; hour to minute] ● estimate, compare and calculate different measures, including money in pounds and pence (3 weeks)
	<p><u>Number and Place Value</u></p> <ul style="list-style-type: none"> ● addition and subtraction (2 weeks) <p><u>Multiples</u></p> <ul style="list-style-type: none"> ● solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects. <p><u>Measurement</u></p> <ul style="list-style-type: none"> ● measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres ● find the area of rectilinear shapes by counting squares (2 weeks) <p><u>Statistics</u></p> <ul style="list-style-type: none"> ● interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. ● solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. (2 weeks)
Ongoing	<ul style="list-style-type: none"> ● add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate ● recall multiplication and division facts for multiplication tables up to 12×12