



St Alban's Catholic Primary School

"St Alban's school exists to provide high quality education within a living Catholic Community which values each individual and enables every child to reach his or her full potential."

Maths Overview

Class: Year 4

Term: Autumn 2016

Week:	Area of Learning	Learning Objectives:
1, 2	Number and Place Value	<ul style="list-style-type: none">- Recognise the place value of each digit in a 4-digit number- Identify, represent and estimate numbers using different representations- Count in multiples of 6,7,9, 25 and 1000- Find 10/100/1000 more or less than a given number- Solve problems involving place value
3	Addition and Subtraction	<ul style="list-style-type: none">- Recall number bonds to 100/1000 and use these to help with mental calculations- Use place value methods for mental addition/subtraction- Solve problems requiring mental addition or subtraction- Use the written method for addition
4	Multiplication and division	<ul style="list-style-type: none">- Use place value, known and derived facts to \times and \div mentally including by 0 and 1 and up to 3 numbers (e.g. fact families, $8 \times 6 =$ so $80 \times 6 =$...)- Recognise and use factor pairs and commutativity in mental calculations- Understand and use the distributive law $39 \times 7 = 30 \times 7 + 9 \times 7$
5	Measurement (m/km Hours/minutes)	<ul style="list-style-type: none">- Convert between different units of measurement (mm/cm/m/km, g/kg, ml/l)- Estimate and compare capacities- Solve problems involving measures
6	Fractions	<ul style="list-style-type: none">- Recognise and show, using diagrams, families of common equivalent fractions- Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten- Add and subtract fractions with the same denominator

7	Time	<ul style="list-style-type: none"> - To recognise the link between fractions and time - To know how many seconds in a minute, minutes in an hour and hours in a day - Tell the time on an analogue clock to the nearest minute - Convert between digital and analogue times - Calculate lengths of time and solve word problems involving time
8	<i>Assessment Week</i>	
9	Number and place value	<ul style="list-style-type: none"> - To 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 - To write Roman numerals to 100 - To round any number to the nearest 10/100/1000 - To count backwards through zero to include negative numbers
10	Number	<ul style="list-style-type: none"> - To develop a written method for subtraction with up to 4 digit numbers - Estimate and use inverse operations to check answers to a calculation - To solve multi step addition and subtraction problems in context, deciding which operations and methods to use and why
11	Multiplication and division	<ul style="list-style-type: none"> - To recall multiplication facts for multiplication tables up to 12×12 - Recognise factor pairs and commutativity to help solve calculations - Develop a written method to multiply at least a 2/3 digit number by a one digit number
12	Multiplication and division	<ul style="list-style-type: none"> - To recall division facts for multiplication tables up to 12×12 - Use fact family knowledge to help solve calculations - Develop a written method for division
13	Geometry	<ul style="list-style-type: none"> - Compare and classify shapes in a range of dimensions - Identify the properties of quadrilaterals and triangles - Identify and name acute, obtuse and reflex angles - Be able to compare angles (up to 2 right angles) by size
14	Geometry	<ul style="list-style-type: none"> - Identify lines of symmetry 2d shapes presented in different orientations - Complete a symmetric figure with respect to a specific line of symmetry
15	<i>Assessment week</i>	

ICT will be used to support the Maths curriculum where appropriate.