



## 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 5**

**Term: Autumn 2016**

Week:	Area of Learning	Learning Objectives:	Homework
1	Place Value and Written Addition	Understand place value in five-digit numbers;	Negative Numbers p8
2		Place 5-digit numbers on a line; Order and compare 5-digit numbers; Add and subtract 1, 10, 100, 1000, 10,000; Use written addition to add pairs of 4 digit numbers and pairs of 5-digit numbers	
3	Decimals, Addition of Money	Understand place value in numbers with two decimal places; Divide by 10 and 100 to give answers with two decimal places; Multiply numbers with 2 decimals by 10 and by 100; Place two-place decimal numbers on a number line; Compare and order numbers with two decimal places; Add amounts of money using column addition; Use using rounding to check answers	Ordering Decimals p14
4	Subtraction	Find change from £20, £50 and £100 using counting up; Find a difference between two amounts of money by counting up; Use column subtraction to subtract pairs of four-digit numbers and to subtract three-digit numbers from four-digit numbers; Choose whether to use counting up or column subtraction to subtract pairs of four-digit numbers	Decimal Fractions p13
5	Shape - Properties of Shapes	Identify, visualise and describe properties of 3D shapes; use these properties to sort 3D shapes; Recognise and describe properties of polygons; Classify quadrilaterals	2D Shapes p40

6	Multiplication, Division and Fractions	Use knowledge of times tables facts to help find common multiples; Find factor of two-digit numbers; Divide mentally, deciding whether to round up or down depending on the context; Find equivalent fractions; Compare fractions with related denominators; Simplify fractions using factors	Understanding Multiplication & Division p20
7	Place Value and Multiplication	Place 4-digit numbers on a line and round to the nearest 10, 100 or 1000; Place 5-digit numbers on a line and round to the nearest 10, 100, 1000 or 10,000; Revise using grid multiplication to multiply 3-digit numbers by single-digit numbers; Use short multiplication to multiply 3-digit numbers by single-digit numbers; Use short multiplication to multiply 4-digit numbers by single-digit numbers	Checking Results by Approximating p32
8	Assess and Review		
9	Multiplication and Division	Use rules of divisibility; Find prime numbers less than 50; Use a written method to divide numbers above the times tables; Round up or down after division according to the context; Use multiplication to check division.	The Chunking Method p24
10			
11	Place Value, Decimals and Subtraction	Understand place value in numbers with two decimal places; Count on and back in steps of 0.1 and 0.01; Add and subtract multiples of 0.1 or 0.01 without crossing multiples of 0.1 or 1; Find a difference between a number with one or two decimal places and whole number by counting up, e.g. 5 - 3.6 or 5 - 3.65; Subtract decimals with one or two decimal places by counting up from the smaller to the larger number, e.g. 4.2 - 2.65.	Subtracting Decimals p19
12	Measures	Convert between grams and kilograms, millilitres and litres (mainly to one decimal place); Convert between metres and kilometres; Know approximate conversions between common imperial units used in daily life and metric units; Begin to draw line graphs and read intermediate points; Read timetables using the 24-hour clock; calculate time intervals.	Length p33
13	Fractions	Write improper fractions as mixed numbers and vice versa; Compare and order fractions with related denominators;	Equivalent Fractions p12

		Add and subtract fractions with related denominators; Find fractions of amounts.	
14	Addition, Subtraction and Multiplication	Use place value to add and subtract; add and subtract near multiples; Add pairs of five-digit numbers (five-digit answers); Use rounding to check; Subtract pairs of five-digit numbers; Use short multiplication to multiply three-digit numbers by single-digit numbers including amounts of money, e.g. $3 \times$ $\pounds 4.56$	Square Numbers p9
15	Assess and Review		

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