Year 2 Core Subjects - Autumn 1		
Mathematics	**Literacy**	**Science**

Place Value
 	
Read and write numbers to at least 100 in numerals and in words.
 	
Recognise the place value of each digit in a two-digit number (tens, ones)
 	
Identify, represent and estimate numbers using different representations including the number line.
 	
Compare and order numbers from 0 up to 100; use <, > and = signs.
 	
Use place value and number facts to solve problems.
 	
Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.
 	
Addition and Subtraction
 	
Recall and use addition and subtraction facts to 20 fluently and derive and use related facts up to 100.
 	
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.
	Theme - Let's Explore!
	
	The children will be exploring a range of fiction and non-fiction texts to achieve the following objectives:
	
	Reading
	
	• read accurately most words of two or more syllables
	• read most words containing common suffixes*
	• read most common exception words.
	
	• read most words accurately without overt sounding and blending, and sufficiently fluently to allow them to focus on their understanding rather than on decoding individual words.
	• sound out most unfamiliar words accurately, without undue hesitation.
	
	• check it makes sense to them, correcting any inaccurate reading
	• answer questions and make some inferences
	• explain what has happened so far in what they have read.
	
	Writing
	
	• write simple, coherent narratives about personal experiences and those of others (real or fictional)
	• write about real events, recording these simply and clearly
		The children will be learning all about **animals and their habitats** whilst trying to achieve the following objectives:
		
		• ask their own questions about what they notice.
		
		• use different types of scientific enquiry to gather and record data, using simple equipment where appropriate, to answer questions:
		   ▪ observing changes over time
		   ▪ noticing patterns
		   ▪ grouping and classifying things
		   ▪ carrying out simple comparative tests
		   ▪ finding things out using secondary sources of information.
		
		• communicate their ideas, what they do and what they find out in a variety of ways.

Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	• demarcate most sentences in their writing with capital letters and full stops, and use question marks correctly when required • use present and past tense mostly correctly and consistently • use co-ordination (e.g. or / and / but) and some subordination (e.g. when / if / that / because) to join clauses • segment spoken words into phonemes and represent these by graphemes, spelling many of these words correctly and making phonically-plausible attempts at others • spell many common exception words* • form capital letters and digits of the correct size, orientation and relationship to one another and to lower-case letters • use spacing between words that reflects the size of the letters.	