



Term		Maths Topics and Learning Objectives	
Autumn	 Number, Place Value and <u>Rounding</u> Identify, represent and estimate numbers using different representations. Recognise the place value of each digit in a 4-digit number. Order and compare numbers beyond 1,000. Round any number to the nearest 10, 100 or 1,000. Can count backwards through zero to include negative numbers. Solve number and practical problems with the above (involving increasingly large numbers). Read Roman numerals to 100 and know that over time the numeral system changed to include the concept of zero and place value. 	 Find the effect of dividing a 1- digit or 2-digit number by 10 and 100, identifying the value of the Measure and calculate the perimeter of a rectilinear figure in cm and m. 	 Geometry – Properties of Shapes Compare and classify geometric shapes, including quadrilateral and triangles based on their properties and sizes. Complete a simple symmetric figure with respect to a specific line of symmetry. Identify lines of symmetry in 2D shapes presented in different orientations. Identify acute and obtuse angles and compare and order angles up to two right angles by size.

BASIC SKILLS, RECORDED IN BASIC SKILLS EXERCISE BOOKS AND REHEARSED ORALLY AS APPROPRIATE:

- Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward
- Count from 0 in multiples of 4, 8, 50 and 100
- Recall how to identify odd and even numbers
- Double and halve 2-digit numbers mentally
- Recall and use multiplication and division facts for 11 times table
- Use place value, known and derived facts to multiply and divide mentally
- Add and subtract mentally: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; three one-digit numbers
- Add and subtract numbers with up to three digits, using a formal written method
- Add and subtract numbers with up to four digits, using a formal written method
- Count up and down in tenths and hundredths

Autumn Term 1 KIRF:

Know multiplication and division facts for 7 x tables. Autumn Term 2 KIRF:

Know multiplication and division facts for the 12 x times table.

Distributed daily practice of these basic skills and arithmetic skills to be informed by AfL; the revisiting of stated objectives through recall activities is informed by teacher AfL.

BASIC SKILLS, RECORDED IN BASIC SKILLS EXERCISE BOOKS AND REHEARSED ORALLY AS APPROPRIATE:

- Count in multiples of 6, 7, 9, 25 and 1000
- Multiply two-digit numbers by a one-digit number, using a formal written method for calculating
- Multiply one-digit and two-digit numbers by 10
- Multiply one-digit and two-digit numbers by 0 and 1
- Multiply three numbers together
- Divide by 1
- Recognise and use factor pairs and commutativity in mental calculations.
- Add and subtract fractions with the same denominator within one whole
- Count up and down in tenths and hundredths
- RECALL OF PREVIOUSLY TAUGHT BASIC SKILLS AND ARITHMEITC CALCULATIONS INFORMED BY REGULAR AFL.

Spring Term KIRF:

Know multiplication and division facts

for all times tables up to 12 x 12.

Distributed daily practice of these basic skills and arithmetic skills to be informed by AfL; the revisiting of stated objectives through recall activities is informed by teacher AfL; sustained practice of these skill from both Spring and Autumn term applied to SATs style arithmetic papers to support and develop experience with answering a range of questions in a given time frame.

Summer	 <u>Calculations:</u> <u>Decimals</u> Recognise and write decimal equivalents of any number of tenths or hundredths. Recognise and write decimal equivalents to 1/4, 1/2 and ¾. 	 Measurement: Time I can read, write and convert time between analogue and digital 12 hour clocks. I can read, write and convert time between analogue and digital 24 hour clocks. I can solve problems involving: converting from hours to minutes minutes to seconds years to months weeks to days. 	measures, including money in £ and p.	 Statistics I can interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. I can solve comparison, sum and difference problems using information presented in: bar charts pictograms tables other graphs 	Revision and Consolidation	
hmetic Practice	 BASIC SKILLS, RECORDED IN BASIC SKILLS EXERCISE BOOKS AND REHEARSED ORALLY AS APPROPRIATE: Recall times table facts up to 12 x 12 – MTC preparation Tell and write the time from an analogue clock, including Roman numerals, and 12-hour and 24-hour clocks Convert time between analogue and digital clocks Recall vocabulary am and pm Recall number of seconds in a minute, days in a given month, year and leap year Convert basic units of metric measure 					
Basic Skills and Arithmetic	Summer Term 1 KIRF: Find 10, 100 and 1000 more or less than a given number.		Know de	Summer Term 2 KIRF: Know decimal number bonds to 1; e.g. 0.3 + 0.7 = 1.		
Summer: B	Distributed daily practice of these basic skills and arithmetic skills to be informed by AfL; the revisiting of stated objectives through recall activities is informed by teacher AfL.					