



Maths Year 5 and Year 6		
Multiplication, Division, Fractions Identify factors and multiples, finding all factor pairs of a number and common factors of two numbers. - Know prime numbers to 20 -Recall square numbers and cube numbers, and the notation for them -Understand and use the terms factor, multiple, prime, square and cube numbers and use them to construct statements such as $4 \times 35 = 2 \times 2 \times 35$ -Use place value to multiply and divide numbers by 10 and 100 -Use knowledge of multiples to estimate division calculations such as $1075 \div 25 \approx 40$ since $4 \times 25 = 100$ -Identify, name, and write equivalent fractions of a given fraction, including tenths and hundredths Compare and order fractions whose denominators are all multiples of the same number -Recognise mixed numbers and improper fractions and convert from one form to the other -Add and subtract fractions with the same denominator -Use common factors to simplify fractions; use common multiples to express fractions in the same denomination -Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts - Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions - Compare and order fractions, including fractions larger than one. -Identify common factors, common multiples and prime numbers greater than 100, factor pairs of a number and common factors of two numbers -Use common factors to simplify fractions -Compare and order fractions, including fractions > 1 -Recognise mixed numbers and improper fractions and convert from one form to the other -Add and subtract fractions with different denominators and mixed numbers	Decimals and measure Read and write tenths and hundredths as decimals or fractions -Round decimals with two decimal places to the nearest whole number -Multiply and divide numbers by 10, 100 and 1000 where answers are up to 3 decimal places -Convert between different units of metric measure -Use all four operations to solve problems involving measure (mass and capacity) using decimal notation including scaling -Read, write and convert time between analogue and digital time and solve time problems Solve problems involving converting between units of time -Perform mental calculations, including with mixed operations and large numbers -Identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places -Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places - Multiply numbers with up to two decimal places by whole numbers	NPV, measurement and operations - Convert between different units of metric measure (link to scaling $\times / \div 10, 100, 1000$) - Estimate capacity in litres and ml -Read scales graded in different sized intervals -Understand and use equivalences between metric units and common imperial units such as inches, pounds, and pints -Use all four operations to solve problems involving mass and capacity using decimal notation and scaling -Use any combination of operations to solve problems -Know that the distributive law means that $a(b+c) = ab + ac$ so $13 \times 8 = 8 \times (10 + 3) = 8 \times 10 + 8 \times 3$ -Multiply numbers up to 4-digits by a one- or two-digit numbers using an appropriate written method

Yew Class Wider Subject Areas						
Science	Computing / PSHE	PE	Art & Design	History	RE	P4C
Animals including humans – The Circulatory System, positive impact of lifestyle choices WALT identify and name the main parts of the human circulatory system, and describe the functions <i>WS: To be able to plan pattern-seeking enquiry.</i> <i>WS: To be able to record results using a line graph.</i> WALT recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function <i>WS: To be able to present findings from enquiries.</i> WALT describe the ways in which nutrients and water are transported within animals, including humans. <i>WS: To be able to plan pattern-seeking enquiry.</i>	-Computational Thinking -Use simplified code to make our programming more efficient -Use our plan to programme the simulation to work in 2Code -Abstract and debug variables within programmes -Create strings to make programmes more efficient	Gymnastics - Develop flexibility, strength, technique, control and balance. Dance Perform dances using a range of movement patterns.	Make and Evaluate: Textiles Enterprise Week Project -Apply needlework skills to implement our design cross stitch plan - Critically evaluate the quality of the manufacture and fitness for purpose of the product	Local History Study – Twyford's place in WW1 -Know and understand significant aspects of the history -Understand how evidence is used to make historical claims -Understand the connections between local, regional, national and international history. -Understand historical concepts such as cause and consequence. -Make comparisons between other similar size towns (e.g. percentage of population during the war).	Incarnation – Was Jesus the Messiah? How much does the world need a Messiah? -Explain the place of incarnation and Messiah within the 'big story' of the bible -Explain connections between biblical texts and the idea of Jesus as the Messiah -Show how Christians put their beliefs about Jesus' incarnation into practice in different ways in celebrating Christmas	Survival, community, isolation
The Big events this term are: Enterprise Week, Christmas Fair, Listen2Me Presentation (Y6) The Core values and learning keys we will be focusing on are: Courage, Respect and Perseverance						

Yew Class Half Term Learning grid
Autumn 2 Lest We Forget

