

MATHS COMPOSITE KNOWLEDGE COVERAGE KEY STAGE 3

Intent:

At Tor View School, we aim to instil in our students a fundamental understanding of how Mathematics links to the wider world. Mathematics equips students with a uniquely powerful set of tools to understand and change the world in which they live. Learning basic principles of maths is essential to functioning independently within the world. In everyday life we are faced with numbers, from getting the right bus, counting money in a shop to employment. Students understand and make connections in different areas of maths so they can apply skills to solve problems in a range of contexts.

At Tor View School, Maths is delivered using a spiral curriculum model to develop Mastery through revisiting learning to ensure learners have a deep

understanding of concepts and their functional uses.

			WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	TAUGHT THROUGHOUT THE YEAR
	1 A u		 NUMBER – PLACE VALUE count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 			NUMBER - ADDIT addnumbers ath ath ath ath ath ath eximate methods estimate the an operations to che	MEASUREMENT – TIME • tellthe time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks		
ı	u m n	2	a thea thea thesubtract numberformal written means	bers mentally, inclu ree-digit number an ree-digit number an ree-digit number an bers with up to thre nethods of columna swer to a calculatio	d ones d tens d hundreds e digits, using r…subtraction	 multiplication ta write and calcul multiplication know, including 	multiplicationfact bles ate mathematical using the multiplic for two-digit numb mental and progre	ation tables that they pers times one-digit	estimate and read time with increasing accuracy to the nearest minuteuse vocabulary such as o'clock, a.m./p.m.,

	1	 NUMBER – DIVISION recall and usedivision facts for the 3, 4 and 8 multiplication tables write and calculate mathematical statements fordivision using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods 	 NUMBER – PLACE VALUE count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number recognise the place value of each digit in a three-digit number (hundreds, tens, ones) compare and order numbers up to 1000 identify, represent and estimate numbers using different representations read and write numbers up to 1000 in numerals and in words 		•	morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month, year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks].
S p r i n g	1	 NUMBER – FRACTIONS count up and down in tenths; recognise that tenths arise object into 10 equal parts and in dividing one-digit numby 10 recognise, find and write fractions of a discrete set of oland non-unit fractions with small denominators recognise and use fractions as numbers: unit fractions fractions with small denominators recognise and show, using diagrams, equivalent fraction denominators add and subtract fractions with the same denominator of [for example, 5/7 + 1/7 = 6/7] compare and order unit fractions, and fractions with the denominators 	practical problems involving these ideas. ects: unit fractions nd non-unit s with small thin one whole practical problems involving these ideas. solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction solve problems, including missing number problems, involving multiplication and division, including positive integer scaling			

		MEASURMENT – MONEY STATISTICS			MEASUREMENT – TIME
S u m m e r	1	 , using both £ and p in practical contexts interpret and presented bar charts, pictor solve one-step a questions [for example and presented in scapictograms and 		example, 'How and 'How many information aled bar charts and	 tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight know the number of seconds in a minute and the number of days in each month, year and leap year compare durations of events [for example to calculate the time taken by particular events or tasks].
	2			CAPACITYmeasure, comp (m/cm/mm); ma	eare, add and subtract: lengths ass (kg/g); volume/capacity (I/mI) erimeter of simple 2-D shapes