

Numeracy, Rounding Percentages	Year 7 Maths Curriculum Map							
Multiplying/dividing by powers of 10 Use mental methods to add and subtract integers and defamals of the column method for adding and subtraction interest on the column method for adding and subtracting integers and subtracting integers and subtracting integers and subtraction interests operations (in powers for matter) I collecting like terms I be planted as letter can take any value I understand what a like term is (inc powers for mattery) Collecting like terms I be planted as single bracket Understand what a like term is (inc powers for mattery) Collecting like terms I be planted as single bracket Understand with de difference between expression & equation Understand inverse operations Use bus stop division into decimals Solving equations using function machines Solving two stape equations Read and write time Convert from 12 to 24 hour clock Add and subtract timits of time Understand falled and subtract integers and decimals to matter the column method for adding and subtraction particle by listing are adlagrams, bar models, and measuring angles Necall angles; and degrams, bar models, and measuring angles Necurately disparsants, bar models, and measuring angles Necurately disparsants and designams, bar models, and measuring angles Necurately disparsants and measuring angles Necurately disparsant and measuring angles Necurately disparsants and measuring angles Necurately disparsants and measuring angles Necurately disparsant and	HalfTerm	Autumn I	Autumn 2	Spring I	Spring 2	Summer I	Summer 2	
and skills covered Substruction machines Solve remains and letters to generalise number operations		Multiplying/dividing by powers of 10	Percentages	Order of operations		shape, Area		
Read and write numbers Multiply and divide integers & decimals by powers of 10 Read and write numbers Inumber of proper fraction Find the perimeter of a shape	and skills	notation Use diagrams and letters to generalise number operations Understand Algebra using function machines Substitute into expressions Use vocabulary coefficient, Variable, unknown, term, expression, equation Understand a letter can take any value Understand what a like term is (inc powers for mastery) Collecting like terms Expanding a single bracket Understand the difference between expression & equation Understand inverse operations with function machines Solving equations using function machines Solving one step equations Solving two step equations Read and write time Convert from 12 to 24 hour clock Add and subtract units of time Understand Place value in the base 10 system Ordering integers and decimals Read and write numbers Multiply and divide integers &	add and subtract integers and decimals Use multiplication facts to solve mental calculations Understand the column method for adding and subtracting integers and decimals understand and use the column method to multiply integers represent multiplication word problems using bar models, and solve Multiply decimals Use bus stop division to divide more difficult numbers Use bus stop division into decimals Round numbers to 10, 100, 100 Round numbers to nearest integer and decimal places Work out simple percentages of an amount (non-calc) Increase a number by a percentage (non-calc)	square numbers Identify factors and multiples Find the Highest Common Factor and Lowest Common Multiple by listing Order negative numbers Add and subtract negative numbers Multiply and divide negative numbers Perform all operations on negative numbers Understand that addition and subtraction have equal priority Understand that multiplication and division have equal priority Understand what powers are Understand how to calculate powers Use order of operations to calculate sums Add brackets to achieve a	area diagrams, bar models, number lines Recognise and name equivalent fractions Convert fractions to decimals Convert terminating decimals to fractions Convert between mixed numbers and improper fractions Compare and order numbers (including like and unlike fractions) Convert simple fractions and decimals to percentages Express one quantity as a fraction of another Find a fraction of a set of objects or quantity Use the unitary method to find the whole given a fractional part Multiply a whole number or fraction by a whole number or fraction Multiply a mixed number and a whole number or	measuring angles Accurately drawing angles Know and use 'angles around a point sum to 360' Know and use 'Angles on a straight line sum to 180' Know and use 'angles in a triangle sum to 180' Write angle reasons along side working to solve multi-step angle problems Classify types of triangles Know the properties of different triangles including scalene, isosceles, equilateral and right-angled Use angle facts about isosceles and equilateral triangles Know the line and angle properties of different quadrilaterals, including Trapezia, Parallelogram, rhombus, rectangle, square, kite Calculate the area of a rectangle Calculate the area of a triangle Calculate the area of compound shapes Find the perimeter of a	 Calculate how many degrees each part of the pie chart should be when given the total and the number in each part Accurately draw pie chart when given the angles for each section Accurately draw pie chart by calculating the number of degrees in each section Read data from a bar chart. Including totals, and differences Spot mistakes in bar chart and describe them concisely Accurately draw bar chart 	

