

## Year 7 Curriculum Overview

Mathematics -The Copley mathematics curriculum has 6 NC Areas and 22 strands that are woven through the curriculum from Year 7 to Year 11

NC Subject Content Area	Strands
Number	<ul> <li>Number: Understand and represent number</li> <li>Number: Calculations</li> <li>Number: Understand fractions and decimals</li> <li>Number: Percentages</li> </ul>
Algebra	<ul> <li>Algebra: Understand Notation and Substitute</li> <li>Algebra: Equivalence and Proof</li> <li>Algebra: Solve Equations and Inequalities</li> <li>Algebra: Linear Graphs</li> <li>Algebra: Non-linear Graphs</li> <li>Algebra: Sequences</li> </ul>
Ratio, proportion and rates of change	<ul> <li>Ratio, Proportion, Rates of Change: Multiplicative Relationships</li> <li>Ratio, Proportion, Rates of Change: Ratio &amp; Rates</li> </ul>
Geometry and measures	<ul> <li>Geometry and Measures: Perimeter, Area and Volume</li> <li>Geometry and Measures: Construct and Transform Geometric Figures</li> <li>Geometry and Measures: Shape properties</li> <li>Geometry and Measures: Angles</li> <li>Geometry and Measures: Pythagoras and Trigonometry</li> <li>Geometry : Geometrical Proof</li> </ul>
Probability	• Probability
Statistics	<ul> <li>Statistics: Represent and Interpret Data</li> <li>Statistics: Statistical Measures</li> <li>Statistics: Bivariate Data</li> </ul>



Year	7	HT1	HT2	НТЗ	HT4	HT5	HT6
Το	<b>bic</b> Alge	ebraic Thinking	Place Value & Proportion	Applications of Number	Directed Number & Fractional Thinking	Lines & Angles	Reasoning with Number
Why this a now?	Pupils w and dev primary this unit more fo the nth helps to linear se with equ line and pupils w later wh techniqu 	vill be used to spotting veloping patterns from v. This is continued in t before developing ormal methods to find term rules. This topic b build the idea of equence which is used uation of a straight I proportion. The vill also use this topic then they develop ues with quadratic	<ul> <li>Place value and ordering integers and decimals</li> <li>The majority of this material builds on what is taught at primary school. This is an excellent opportunity to secure knowledge and fill in gaps with prior learning.</li> <li>There will be an opportunity to extend pupil knowledge through standard form.</li> <li>This topic is again a building block for many future topics.</li> <li>Pupils being fluent is basic numeracy is important for all future topics as well as having basic skills for life.</li> <li>Fraction, decimal and percentage equivalence</li> <li>Again, this topic allows for further depth of material taught at primary. The decimal topic taught previously can be explored in more depth.</li> <li>Each of these areas is developed in more detail. Many topic areas require fluency in these basic skills. These skills are also essential for A level and calculus.</li> </ul>	Solving problems with addition and subtraction This material builds on what is taught at primary school. This is an excellent opportunity to secure knowledge and fill in gaps with prior learning. There will be an opportunity to extend pupil knowledge through more complex standard form calculations. This work is further extended in spring term 2 as well as being a basic building block for the entire maths curriculum. Solving problems with multiplication and division Again, this topic allows for further depth of material taught at primary. Problems involving trapezia and some algebraic manipulation will also be covered in this topic This work is further extended in spring term 2 and Yr8 Autumn 1 as well as being a basic building block for the entire maths curriculum Fractions and percentages of amounts Again, this topic allows for further depth of material taught at primary. The pupils will further extend their knowledge by looking at fractions and percentages greater than 1. This unit of work is further extended in Year 8 Autumn 2.	Directed numberThis material builds on whatis taught at primary school.This is an excellentopportunity to secureknowledge and fill in gapswith prior learning. There willbe an opportunity to extendpupil knowledge throughlooking at solutions to squareroots and exploring higherpowers and roots.This topic is crucial as abuilding block for numerousfuture topics. The pupils haveto be fluent with directednumber as they attemptmore difficult topics inmathematics. (Directednumber often causesconfusion as it has not beenfully understood)Practional ThinkingThis material builds on whatis taught at primary school.This is an excellentopportunity to secureknowledge and fill in gapswith prior learning. There willbe an opportunity to extendpupil knowledge throughlooking at mixed numberfractions and extendingfurther to algebraic fractionsAgain, this topic is crucial aspupils move forward withtheir mathematics. They needto be fluent with theirfraction skills to order toaccess algebraic manipulationin future years as well as	Constructing, measuring and using geometric notation The pupils will have had limited experience of this topic at primary. It is therefore important to embed these skills at an early stage. This topic is crucial for future geometry work. This topic leads into loci and bearings. Geometric Reasoning Pupils will have a basic understanding of triangles and most quadrilaterals but this learning will be supplemented with properties of shapes up to a decagon. Pupils will also become fluent with angles in parallel lines. Pupils have to be fluent with the geometric reasoning as they build skills throughout their schooling. This is important later for circle theorem and geometric proof work	<ul> <li>Developing number sense</li> <li>Pupils have been taught a number of techniques for numeracy. This topic looks at when best to apply certain techniques. Pupils need to develop a "feel" for mathematics to apply the correct method at the correct time.</li> <li>This is a basic building block for numerous topics in the curriculum moving forward and is crucial especially for pupils who study the foundation course at GCSE.</li> <li>Sets and probability</li> <li>Pupils will develop their use of sets and probability in this topic. This will be predominately new learning.</li> <li>This is a crucial topic for HCF and LCM work. As we progress through the curriculum more notation will be developed and use of Venn diagrams with more complexity.</li> <li>Prime numbers and Proof This unit develops work from primary and builds on the work in the previous unit.</li> <li>This work will help to develop skills for future work on algebraic proof and number sense.</li> </ul>

				across a variety of numeracy strands.		
What is the	Sequences	Place value and ordering	Solving problems with	Directed number.	Constructing, measuring and	Developing number sense
essential knowledge	Represent sequences in	integers and decimals	addition and subtraction.	Understand and use	using geometric notation	Know and use mental
hat needs to be	tables and graphs	Recognise the place value of	Properties of addition and	representations of directed	Understand and use letter	addition and subtraction
remembered?	Recognise the difference	any number in an integer up	subtraction	numbers	and labelling conventions	strategies for integers
	between linear and non-	to one billion	Mental strategies for addition	Order directed numbers using	including those for geometric	Know and use mental
	linear sequences.	Understand and write	and subtraction	lines and appropriate symbols	figures	multiplication and division
	Explain term-to-term rules in	integers up to one billion in	Use formal methods for	Perform calculations that	Draw and measure line	strategies for integers
	words.	words and figures	addition of integers	cross zero	segments including geometric	Know and use mental
		Work out intervals on a	Use formal methods for	Add directed numbers	figures	arithmetic strategies for
	Algebraic Notation	number line	addition of decimals	Subtract directed numbers	Understand angles as a	decimals
	Use inverse operations to find	Position integers on a number	Use formal methods for	Multiplication of directed	measure of turn	Know and use mental
	the input given the output	line	subtraction of integers	numbers	Classify angles	arithmetic strategies for
	Use diagrams and letters with	Round integers to the nearest	Use formal methods for	Multiplication and division of	Measure angles up to 180	fractions
	2 functions machines	power of ten	subtraction of decimals	directed numbers	degrees	Use factors to simplify
	Find the function machines	Compare 2 numbers using	Choose the most appropriate	Use a calculator for directed	Draw angles up to 180	calculations
	given a 2-step expression	=, ≠, <, >, ≤, ≥	method: mental strategies,	number calculations	degrees	Use estimation as a method
	Generate sequences given an	Order a list of integers	formal written or calculator	Evaluate algebraic	Draw and measure angles	for checking mental
	algebraic rule	Find the range of a set of	Solve problems in the context	expressions with directed	between 180 and 360.	calculations
	Represent 1 and 2 step	numbers	of perimeter	number	Identify perpendicular and	Use know number facts to
	functions graphically	Find the median of a set of	Solve financial maths	Introduction to two step	parallel lines	derive other facts
	0 1 7	numbers	problems	equations	Recognise types of triangle	Use know algebraic facts to
	Equalities and Equivalence	Understand place value for	Solve problems involving	Solve two-step equations	Recognise types of	derive other facts
	Solve 1 step linear equations	decimals	tables and timetables	Use order of operations with	quadrilateral	Know when to use a mental
	involving $+ / - x / + inverse$	Position decimals on a	Solve problems with	directed numbers	Identify polygons up to a	strategy, formal written
	operations	number line	frequency trees	Understand that positive	decagon	method or a calculator
	Understand the meaning of	Compare and order any	Solve problems with bar	numbers have more than one	Construct triangles SSS	Sets and probability
	like and unlike terms	number up to 1 billion	charts and line charts		Construct triangles using SSS,	Identify and represent sets
	Understand the meaning of	Round a number to 1		Fractional Thinking.	SAS, ASA	Interpret and create Venn
	equivalence by	Standard Form (H)	Solving problems with	Understand representations	Construct more complex	diagrams
	simplifying algebraic		multiplication and division.	of fractions	polygons	Understand and use the
	expressions by collecting like	Fraction, decimal and	Properties of multiplication	Convert between mixed	Interpret simple pie charts	intersection of sets
	terms and using the	percentage equivalence	and division	numbers and fractions	using proportion	Understand and use the
	equivalence symbol $\equiv$		Understand and use factors	Add and subtract unit	Interpret pie charts using a	union of sets
		Represent tenths and	Understand and use multiples	fractions with the same	protractor	Understand and use the
		hundredths as diagrams	Multiply and divide integers	denominator	Draw pie charts	complement of a set (H)
		Represent tenths and	and decimals by powers of 10	Add and subtract fractions		Know and use the vocabulary
		hundredths on number lines	Multiply by 0.1 and 0.01 (H)	with the same denominator	Geometric Reasoning	of probability
		Interchange between	Convert metric units	Add and subtract fractions	Understand and use the sum	Generate sample spaces for
		fractional and decimal	Use formal methods to	from integers expressing the	of angles at a point	single events
		number lines	multiply integers	answer as a single fraction	Understand and use the sum	Calculate the probability of a
		Convert between fractions	Use formal methods to	Understand and use	of angles on a straight line	single event
		and decimals – tenths &	multiply decimals	equivalent fractions	Understand and use the	Understand and use the
		hundredths	Use formal methods to divide	Add and subtract fractions	equality of vertically opposite	probability scale
		Convert between fractions	integers	where denominators share a	angles	Know that the sum of
		and decimals – eights and &	Use formal methods to divide	simple common multiple.	Know and apply the sum of	probabilities of all possible
		thousandths (H)	decimals	Add and subtract fractions	angles in a triangle	outcomes is 1
			Understand and use order of	with any denominator	Know and apply the sum of	Prime numbers and Proof
			operations	with any denominator	angles in a quadrilateral	Find and use multiples

		Understand the meaning of	Solve problems using the area	Add and subtract improper	Solve angle problems using	Identify factors of numbers
		Understand the meaning of percentage using a hundred	of rectangles and	fractions and mixed numbers	properties of triangles and	and expressions
			parallelograms	Use fractions in algebraic	quadrilaterals	Recognise and identify prime
		square Convert fluently between	Solve problems using the area	contexts	Solve complex angle	numbers
		simple fractions, decimals		Use equivalence to add and	problems	Recognise square and
		•	of triangles	subtract decimals and	Find and use the angle sum of	triangular numbers
		and percentages	Freetiens and nerconteges of	fractions	U U	Find common factors of a set
		Use and interpret pie charts Represent any fraction as a	Fractions and percentages of	Add and subtract simple	any polygon (H) Investigate angles in parallel	of numbers including the HCF
		diagram	amounts Find a fraction of a given	algebraic fractions (H)	lines (H)	Find common multiples of a
		Represent fractions on	amount	algebraic fractions (n)	Understand and use parallel	set of numbers including the
		number lines	Use a give fraction to find the		line angle rules	LCM
		Identify and use simple	whole or other fractions		Use known facts to obtain	Write a number as a product
		-				
		equivalent fractions Understand fractions as	Find the percentage of a given amount using mental		simple proofs	of its prime factors Use a Venn diagram to
		division	methods			calculate the HCF and LCM
		Convert fluently between	Find the percentage of a			(H)
		fractions, decimals and	given amount using a			(ח) Make and test conjectures
		percentages	calculator			Use counterexamples to
		Explore fractions above 1,	calculator			disprove a conjecture
						uispiove a conjecture
What is the assessment intent and how will you	This pattern can be seen at the	decimals and percentages d using the WRM assessment. Dr e end of this document.	uring this assessment "Can you s sed through whole class teaching			
assessment intent and how will you assess?	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th	decimals and percentages d using the WRM assessment. Do e end of this document. and areas of concern are address e end of each term to check pro	sed through whole class teaching gress and establish if long term l	g with targeted Do Nows and HW earning has been secured.		
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their	decimals and percentages d using the WRM assessment. Do e end of this document. and areas of concern are address e end of each term to check pro Pupils will be confident in	sed through whole class teaching gress and establish if long term I Pupils will be secure and	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using	Pupils should be confident	Pupils will be able to
assessment intent and how will you assess?	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their learning in the key areas	decimals and percentages d using the WRM assessment. Di e end of this document. and areas of concern are address e end of each term to check pro Pupils will be confident in areas of numeracy and be	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various	Pupils should be confident with labelling and measuring	understand number at a
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their learning in the key areas listed above. This will enable	decimals and percentages d using the WRM assessment. Di e end of this document. and areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra.	Pupils should be confident with labelling and measuring angle work at the end of this	understand number at a higher level. Their
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next	decimals and percentages d using the WRM assessment. Di e end of this document. Ind areas of concern are address e end of each term to check pro Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be	understand number at a higher level. Their vocabulary will also increase
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key	decimals and percentages dusing the WRM assessment. Due end of this document. and areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Di e end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations.	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to	understand number at a higher level. Their vocabulary will also increase
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at th Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key	decimals and percentages d using the WRM assessment. Di e end of this document. and areas of concern are address e end of each term to check proj Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still"	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Di e end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations.	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. and areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions.	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you <u>assess?</u> What should the end point look like?	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in	decimals and percentages d using the WRM assessment. Due end of this document. Ind areas of concern are address e end of each term to check pro- Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long	with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their	understand number at a higher level. Their vocabulary will also increase to understand different
assessment intent and how will you assess? What should the end point look like? How does it cover	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in long term learning.	decimals and percentages dusing the WRM assessment. Due end of this document. and areas of concern are address e end of each term to check prog Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their properties.	understand number at a higher level. Their vocabulary will also increase to understand different types of number.
assessment intent and how will you assess? What should the end point look like? How does it cover	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in long term learning.	decimals and percentages dusing the WRM assessment. Due end of this document. and areas of concern are address e end of each term to check prog Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning. The NC coverage can be found on page 5-8 and page 11.	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their properties.	The NC coverage can be
assessment intent and how will you assess? What should the	This pattern can be seen at the Teachers check the progress a Blocks are also assessed at the Pupils need to secure their learning in the key areas listed above. This will enable them to progress in the next unit of algebra if these key skills have been secured in long term learning.	decimals and percentages dusing the WRM assessment. Due end of this document. and areas of concern are address e end of each term to check proy Pupils will be confident in areas of numeracy and be fluent with FDP. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning.	Sed through whole class teaching gress and establish if long term I Pupils will be secure and fluent with the 4 basic operations in mathematics as well as having a good grasp of fraction and percentage calculations. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning. The NC coverage can be found on page 5-8.	g with targeted Do Nows and HW earning has been secured. Pupils will be secure at using directed numbers in various contexts including algebra. Fractional work will be extended to ensure pupils are confident with mixed numbers and not just vulgar fractions. Assessment will show current performance. This will be further assessed in the future with "Can you still" questions showing learning embedded into long term learning. The NC coverage can be found on page 5-8 and page	Pupils should be confident with labelling and measuring angle work at the end of this half term. They will also be confident using appropriate mathematics instruments to draw and measure geometric shapes and their properties.	understand number at a higher level. Their vocabulary will also increase to understand different types of number.

-



## Year 7 Assessment Matrix

Year 7	Sequences	Algebraic Notation	Equality and Equivalence	Place Value	Fractions, Decimals and Percentages	Addition and Subtraction	Multiplication and Division	Fractions and percentages of amounts	Directed number	Fractional Thinking	Constructing and Measuring	Geometric Reasoning	Developing Number Sense	Sets and Probability	Primes and Proof
Sequences															
Algebraic Notation															
Equality and Equivalence											L				
Place Value															
End of Term CORE test															
Fractions, Decimals and Percentages															
Addition and Subtraction															
Multiplication and Division															
Fractions and percentages of amounts															
Directed number															
End of Term CORE test															
Fractional Thinking															
Constructing and Measuring															
Geometric Reasoning															
Developing Number Sense															
Sets and Probability															
Primes and Proof															
End of Year CORE test															
					Tes										
		Can You Still?													
		En	d of	term	CO	RE t	est								