## Year 7 Maths – Autumn Term

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	Wider Learning:	Prior learning:	Key vocabulary:	
	Place Value allows students to interpret and understand very large or small numbers including decimals.	Students will have used hundreds, tens, units, tenths, and hundredths in KS2 and this will be revisited during this unit.	2. Decimal         6.           3. Order         7.	Centi Units Metric Kilo
	Four Operations is the basics of all of maths through to the end of Year 11.	Students will have completed a large amount of basic calculations including BIDMAS.	10. Subtraction1411. Multiplication15	. Remainder . Indices . Brackets . Borrowing
Intent	Factors and Multiples helps students break down relationships between numbers and will be used heavily throughout KS3.	Times tables would have been a large part of KS2 maths which will support both factors and multiples moving forward.	18. Multiple         22           19. Prime         23	. Cube . Root . Common . Composite
	<ul> <li>recognition?</li> <li>2. Why is the metric system used instead of the imperial system?</li> <li>3. How does the relationship between positive and negative numbers effect ordering?</li> <li>4. What effect does adding a positive to a negative 8.</li> </ul>		Does BIDMAS have as much impact as it appears to do when taught at primary level? What relevance do prime numbers have when working with complex calculations? Why do we need to be able to calculate HCF and LCM? How does prime factorisation prove that every number has a unique identifier?	
Implement	<ol> <li>Comparing integers</li> <li>Ordering positive integers</li> <li>Ordering positive an</li> <li>Comparing decimal</li> <li>Ordering positive de</li> <li>Ordering positive de</li> <li>Ordering positive an</li> <li>Rounding to whole r</li> <li>Round to tens, hundi</li> <li>Rounding to decimal</li> <li>Multiplying by 10, 100</li> <li>Recognising Centi, N</li> <li>Converting metric ur</li> <li>Column addition and</li> <li>Long multiplication.</li> <li>Short division.</li> <li>Short division with de</li> </ol>	egers. d negative integers. s using <, > and = cimals. d negative decimals. umbers. reds and thousands. I places. 0, and 1000 Milli and Kilo nits. d subtraction d subtraction with decimals. with decimals. ting positive and negative numbers. e numbers. d multiples		<ul> <li>Differentiation G&amp;T: Stretch questions for all topics as well as problem solving style questions.</li> <li>Disadvantaged: Equipment available in classroom for students arriving unprepared.</li> <li>SEND: Manipulatives available for students in certain context including number lines and counters.</li> <li>EAL: Translations of keywords where required and minimal use of unnecessary words throughout,</li> </ul>
Impact	40 mark assessment at the end of each topic covering all relevant areas and allowing students to check their understanding of the topic covered.			Feedback Verbal feedback during assessment week as well as self- correction during feedback lesson.
	Factors and Multiples will be revisited as part of Expressions and Equations in Year 7.			