


Subject	Year	Month	
Mathematics	7	March	
Topic:			
UNITS OF LENGTH, MASS, VOLUME, TIME AND MONEY			5 LESSONS
Content (Intent)			
<p>Prior Learning</p> <p>KEY STAGE 2:</p> <ul style="list-style-type: none"> Know that there are 10mm in 1 cm; 100cm in 1m etc. Know that there are 60 seconds in a minute, 60 minutes in an hour, 24 hours in a day Use 12- and 24-hour clocks, both analogue and digital Know the various denominations of money and 100p=£1 	<p>Future Learning</p> <p>Year 8– Plans, Scales, Enlargements and Bearings Year 9– Direct and Inverse Proportion</p>		
<p>Objectives</p> <ul style="list-style-type: none"> Convert fluently between metric units of length Convert fluently between metric units of mass Convert fluently between metric units of volume / capacity Convert fluently between units of time Convert fluently between units of money 	<p>For teaching purposes</p> <p>Possible Questions:</p> <ul style="list-style-type: none"> Show me another way of describing 2.5km. And another. Show me another way of describing 3.4 litres. And another. Show me another way of describing 3.7kg. And another. Kenny thinks that 14:30 is the same time as 2.30 p.m. Do you agree? What’s the same, what’s different: 2 hours 30 minutes, 2.5 hours, 2½hours and 2 hours 20 minutes? <p>Possible Misconceptions:</p> <ul style="list-style-type: none"> may write £3.5 instead of £3.50, may apply column addition and subtraction when calculating with time. (incorrect understanding that there are 100 minutes in a hour) may thinking that 15:00 is 5 o’ clock (e.g) 		
Pedagogical notes (implementation)		How will understanding be assessed & recorded (Impact)	
<p>Weight is the force due to gravity, and is calculated as mass multiplied by the acceleration due to gravity. Therefore weight varies due to location while mass is a constant measurement.</p> <p>Prefix with Latin origin ‘centi-’ = one hundredth ‘milli-’ = one thousandth.</p> <p>Prefix with Greek origin ‘kilo-’ = one thousand.</p> <p>Notation Abbreviations of metric units: m, cm, mm, kg, g, l, ml Abbreviations of imperial units: lb, oz Miles should be written in full.</p>		<p>BAM task 10 – Units End of Year Assessment in June/July</p> <p style="background-color: #e1eef6;">How can parents help at home?</p> <p>MathsWatch clips (Qualifications KS3) N7a, N7b, N7c</p>	
Further reading/discussion			
<p>Reading / Enrichment</p> <p>KM: Sorting units</p> <p>KM: Another length</p> <p>KM: Measuring space</p> <p>KM: Another capacity</p> <p>KM: Stick on the Maths: Units</p> <p>NRICH: Temperature</p>	<p>Literacy</p> <p>Length, distance Metre, centimetre, millimetre Mass, weight Tonne, kilogram, gram, milligram Volume, Capacity Litre, millilitre Hour, minute, second Imperial units : Inch, foot, yard, Pound, ounce, Pint, gallon</p>	<p>Numeracy Links</p>	<p>Careers Links</p> <p>Carpenter Banker Basic numeracy requirement for all careers</p>