



Walton Hall Academy

Long Term Planning



SUBJECT	Functional Mathematics	CLASS	Set 1 – Post 16	ACADEMIC YEAR	2016-2017
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Pupils across the key stage will be ability set for Mathematics. All pupils will work towards accreditation in Functional Maths at their appropriate level. Work completed will involve teaching the core skills, with the opportunity to apply these to “real life” situations using materials from Functional Skillbuilders and in some cases Skills for Life.

Functional Mathematics E3 (500/8905/5) – L1 (500/8492/6) – Level 2

AUTUMN	<p><u>Initial Assessments and target setting</u></p> <p><u>Number</u> Negative numbers – read and comparing temperatures</p> <p><u>Handling Data</u> Calculations of averages – mean, median, mode and range.</p> <p><u>Shape, space and measure</u> Calculating area and perimeter of simple shapes, composite shapes and circles.– practical applications (formula)</p> <p><u>End of term review and self-assessment</u></p>	<p><u>Number</u> Rounding and estimation Fractions– finding fractions of amounts and quantities. Identifying equivalent fractions</p> <p><u>Shape, space and measure</u> Working with time – 24hr clock Calculating with time</p> <p><u>End of term review and self-assessment</u></p>
	<p><u>Number</u> Multiply and divide by 10, 100 and 1000 (decimal numbers) Multiplication and division strategies – written methods</p> <p><u>Shape, space and measure</u> Read, estimate, compare and measure length and distance. Convert units of measurement in the same system Identify metric and imperial units of measure. Use formula to convert measurements between systems</p> <p><u>End of term review and self-assessment</u></p>	<p><i>Any student ready for assessment to complete examination in March window</i></p> <p><u>Number</u> Percentages – equivalences between common fractions, decimals and percentages. Finding percentages of increase / decrease Ratio and proportion</p> <p><u>Shape, space and measure</u> Read, estimate, compare and measure weight and capacity. Convert units of measurements in the same system Identify metric and imperial units of measure. Use formula to convert measurements between systems</p> <p><u>End of term review and self-assessment</u></p>

SUMMER	<p><u>Number</u> Formula – using formula and expressions to solve problems. Manipulate formula to solve complex calculations</p> <p><u>Shape, space and measure</u> Scale Drawing Calculating with volume – formulae</p> <p><u>Handling Data</u> Probability – state the likeliness of an event Drawing graphs and charts – scales Extraction and interpretation of information represented in Pie Charts</p> <p>End of term review and self-assessment</p>	<p>Revision and preparation for Assessment test and tasks (June 2017) Completion of exam questions and sample papers</p> <p>Revision of all main aspects – fractions, percentages, measure, time etc.</p>
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