

## Long Term Plan: Maths Functional Skills



Key to Pathways:

Inspire	Explore	Nurture	Thrive	Specialist Provision	College
---------	---------	---------	--------	----------------------	---------

College	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
<b>Functional Skills</b>						
<b>Students also work towards Realistic Mathematics Education outcomes (MMU) these are to be interwoven throughout the learning to give the students increased real life application. Some students may retake their level 1 examination.</b>						
Year 12	<p style="text-align: center;"><b>Number – Calculations</b></p> <p>To read write and order and compare positive integers up to 1000</p> <p>To add and subtract positive integers up to 1000</p> <p>To multiply and divide positive integers by 10,100 and 1000</p> <p>To understand and use multiples</p> <p>To understand and use factors and common factors</p> <p>To understand and use prime numbers</p> <p>To multiply and divide by positive integers (single multiplier and divisor) using written methods</p> <p>To round positive integers to the nearest 10, 100 and 1000</p>	<p style="text-align: center;"><b>Negative numbers, decimal notation and calculation</b></p> <p>To understand negative numbers and use number lines</p> <p>To order, add and subtract negative numbers</p> <p>To read, write, order and compare decimals up to 2 dp</p> <p>To understand place value in decimals up to 2dp</p> <p>To multiply decimals with up to 2dp (single multiplier and divisor)</p> <p>To divide decimals with up to 2dp, using a calculator</p> <p>To round decimals to 1dp and the nearest integer (including money and measurement)</p> <p>To read, write, order and compare money</p>	<p style="text-align: center;"><b>Measure</b></p> <p>To read and measure and record time using digital and analogue clocks in 12 hour and 24 hour format</p> <p>To use units of time including seconds, minutes, hours, days, week, months and year</p> <p>To work out intervals of time and convert between units of time</p> <p>To read, measure and record events on a calendar</p> <p>To read, construct and use everyday tables and charts</p>	<p style="text-align: center;"><b>Fractions and Percentages and decimals</b></p> <p>To read , write, order and compare fractions and mixed numbers</p> <p>To use equivalent fractions</p> <p>To write fractions in their simplest form</p> <p>To convert fractions to decimals (up to 2dp)</p> <p>To convert decimals to fractions (up to 2dp)</p> <p>To add and subtract simple fractions</p> <p>To multiply a fraction by a positive integer</p> <p>To find a fraction of a whole number and quantity</p>	<p style="text-align: center;"><b>To use equivalence – fractions, decimals and percentages. Area/volume and perimeter</b></p> <p>To read, write and order and compare simple percentages e.g. 10%, 25%, 50% and 75%</p> <p>To use equivalencies between decimals, fractions and percentages</p> <p>To work out simple percentages of quantities, including VAT</p> <p>To draw and measure lines and angles, accurate to the nearest cm and degree</p> <p>To work out the perimeter of rectangles and compound shape</p> <p>To work out the area of rectangles and compound shapes</p>	<p style="text-align: center;"><b>Measure</b></p> <p>To know and use units of measure for length, weight, angles, capacity, temperature</p> <p>To know and use imperial and metric units of measure</p> <p>To add and subtract units of measure</p> <p>To convert units of measure in the metric system</p> <p>To read integer scales</p>

## Long Term Plan: Maths Functional Skills



Key to Pathways:

Inspire	Explore	Nurture	Thrive	Specialist Provision	College
---------	---------	---------	--------	----------------------	---------

		To add, subtract, multiply and divide quantities of money (utility bills, shopping bills - for one year)			To work out the volume of a cuboid
--	--	--	--	--	------------------------------------

**Nurture Pathway**

**KS5** This course is not an option within this Pathway.

**Thrive Pathway**

**KS5** This course is not an option within this Pathway. However, students have the opportunity to reinforce numeracy and Literacy skills through practical experiences within the community, through other aspects of their curriculum.

**Inspire Pathway**

**KS5** This is a one year course. It aims to support students to improve the qualifications achieved in Yr11. This may open up more course opportunities at colleges for further study after they leave Elms Bank College. Students study a Functional Skills Course at Levels \*\*\*\*\*.

**Explore Pathway**

**KS5** This course is not an option within this Pathway. However, students have the opportunity to reinforce numeracy and Literacy skills through practical experiences within the community, through other aspects of their curriculum and practice the functional aspects of maths through the placement opportunities. These are embedded through specific Open Award units, and contribute to the qualifications achieved through the work placements.

**Specialist Provision**

**KS5** This course is not an option within this Pathway. However, students have the opportunity to reinforce numeracy and Literacy skills through practical experiences within the community, through other aspects of their curriculum and practice the functional aspects of maths through the placement opportunities. These are embedded through specific Open Award units, and contribute to the qualifications achieved through the work placements.