



Subject: Maths

Academic Year: 2021-22

Formal Pastoral Pathway Long Term Plan

	Subject Focus (Steps 10 - 14)	PfA Focus
Autumn 1	<p>All about Me: Numbers and the number system:</p> <ul style="list-style-type: none"> Counting and exploring all the things about me and around me! (Counting, money and time) 	<p>Show the sequencing of the day</p> <p>Show an interested in others and the world around me</p>
Autumn 2	<p>Christian Celebrations and Christmas:</p> <ul style="list-style-type: none"> Counting with the 12 days of Christmas! (Counting and time) 	<p>Show engagement in a range of cultural activities</p> <p>Show an interested in others and the world around me</p>
Spring 1	<p>Exploring & Adventure Staying Safe:</p> <ul style="list-style-type: none"> Exploring numbers with Penguins <i>More, Less, Bigger, smaller and sharing.</i> (Counting and measures) 	<p>Identify larger / smaller / taller / shorter / less / more</p> <p>Show an interested in others and the world around me</p>
Spring 2	<p>Seasons:</p> <ul style="list-style-type: none"> Matching and Sorting Ice creams and Hats! (Counting , money and measures) 	<p>Identify and play with money</p> <p>Demonstrate sorting objects</p> <p>Show an interested in others and the world around me</p> <p>Identify money</p>
Summer 1	<p>Brilliant Inventions!:</p> <ul style="list-style-type: none"> Size and Shapes <i>Square, Rectangle, Circle, Bigger, Smaller and the same.</i> (Measures and shapes) 	<p>Identify big/small</p> <p>Identify when something is full/empty.</p>
Summer 2	<p>Finding my Way - Down Under!:</p> <ul style="list-style-type: none"> Counting and Sorting Kolas and Kangaroos. <i>More, Less, Bigger, Smaller.</i> (Consolidation of all of the above) 	<p>Show an interested in others and the world around me</p> <p>Show interests in the world, e.g. look for things</p>



Subject: Maths

Academic Year: KS3 (Step 16 – 29)

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	<p>Numbers and the number system (Inc Ready to progress number): Counting, place value, factors, multiples and primes.</p> <p>Calculating: more than, less than, addition and subtraction.</p>	Apply my knowledge of numbers in the 'real world'
Autumn 2	<p>Exploring time: Telling the time, the calendar and time calculations.</p> <p>Christmas/Wintertime themed: Problem solving</p>	<p>Time Management (e.g. Explain the timing of the day; routines at home and school or telling the time on an analogue or digital clock).</p> <p>Apply my knowledge of numbers in the 'real world'</p>
Spring 1	<p>Calculating: Skip counting, multiplication and division.</p> <p>Exploring Money: Coin recognition, counting, the value of money, giving change, savings and budgets.</p>	Financial Capability (e.g. Explain note and coin values or calculate the amount of change during transactions).
Spring 2	<p>Fractions (Inc ready to progress fractions): halves, quarters, sharing in various fractions, equivalent, decimal, percent and the 4 operations.</p> <p>Easter/Spring themed: Problem solving</p>	Apply my knowledge of numbers in the 'real world'
Summer 1	<p>Measures: Comparing and ordering size, measuring and converting.</p> <p>Statistics (Inc ready to progress data): pictograms, tally charts, bar charts, averages and pie charts.</p>	Distance, Weight & Volume (e.g. Identify when something is full/empty or predict the weight of common items).
Summer 2	<p>Shapes: Squares, rectangles, triangles, circles and trapeziums.</p> <p>Summertime themed: Problem solving</p>	<p>Distance, Weight & Volume (e.g. Demonstrate sorting objects and name shapes in the environment).</p> <p>Apply my knowledge of numbers in the 'real world'</p>



Subject: Maths

Academic Year: Year 10 AQA ELC

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	AQA Entry level certificate unit 1 - Properties of number: Students will learn place value within whole numbers and undertake calculations using mental arithmetic and using a calculator. Students will understand the terms odd and even, and rounding will be introduced.	Apply knowledge of numbers in the 'real world' including demonstrating independent and effective use of a calculator (e.g. which button to press).
Autumn 2	AQA Entry level certificate unit 3 - Ratio: Students will develop an understanding of equality and basic fractions.	Apply knowledge of numbers in the 'real world' Including finding fractions of an amount and identifying halves, quarters and thirds of fractions.
Spring 1	AQA Entry level certificate unit 2 - The four operations: Students will learn calculations using mental arithmetic and written methods involving addition, subtraction, multiplication and division.	Numeracy (e.g. having the basic number skills to make simple calculations).
Spring 2	AQA Entry level certificate unit 2 - The four operations (continued): Students will learn calculations using mental arithmetic and written methods involving addition, subtraction, multiplication and division.	Numeracy (e.g. having the basic number skills to make simple calculations).
Summer 1	AQA Entry level certificate unit 4 – Money: Students will learn the value of coins in everyday use in the UK. Students will convert units of money and use a calculator to do simple calculations of money using decimals.	Financial Capability (e.g. Explain note and coin values or calculate the amount of change during transactions).
Summer 2	BTEC money module / LiFE / AQA unit award focusing on Financial Capability. This ½ term will be allocated to learning money skills from discounts to interest, credit cards and loans.	Financial Capability



Subject: Maths

Academic Year: Year 11 AQA ELC

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	AQA Entry level certificate unit 5 - The calendar and time: Students will learn how to read digital and analogue clocks, including using roman numerals and learn how to convert between 12 and 24-hour times. Students will also learn about days, weeks and months of the year.	Time Management (e.g. Explain the timing of the day; routines at home and school or telling the time on an analogue or digital clock).
Autumn 2	AQA Entry level certificate unit 6 – Measures: Students will learn methods to measure length, weight and capacity using standard and non-standard units. They convert units and learn how to read scales. They will compare temperatures including negative values.	Distance, Weight & Volume (e.g. Identify when something is full/empty or predict the weight of common items).
Spring 1	AQA Entry level certificate unit 7 – Geometry: Students will learn about 2D and 3D shapes and their properties and they will develop an understanding of the size of angles, including right angles. They will also investigate reflective symmetry, nets of solids and use of coordinates.	Apply knowledge of numbers in the 'real world'
Spring 2	AQA Entry level certificate unit 8 – Statistics: Students will learn how to conduct simple surveys and then analyse and communicate their results. They will also learn to sort information according to set criteria.	Apply knowledge of numbers in the 'real world' Including understanding basic charts and data.
Summer 1	AQA Unit awards or LiFE <i>if time allows.</i>	Apply knowledge of numbers in the 'real world'
Summer 2		



Subject: Maths

Academic Year: Y10 GCSE & Functional / LiFE

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	AQA Entry level (ELC) assessment and check in to GCSE skills. Review & check to KS4 studies including Number and the number systems, The 4 operations and Fractions, Ratio, Decimals and Percentage. (*AQA Units 1,2,3)	Apply knowledge of numbers in the 'real world' including demonstrating independent and effective use of a calculator (e.g. which button to press).
Autumn 2	AQA ELC assessment and check in to GCSE skills. Review & check to KS4 studies including Money, Time and Measures. (*AQA Units 4,5,6) BTEC money module.	Financial Capability and Time Management (e.g. demonstrate an understanding of the value of money & show competence to work with dates and times and understanding lengths of time).
Spring 1	AQA ELC & GCSE Statistics. ELC and GCSE level Collecting, representing data and Statistical measures. (*AQA Units 8)	Apply my knowledge of numbers in the 'real world' (e.g. understanding the limits of data).
Spring 2	AQA GCSE introduction to key skills for success. GCSE level basic Number, Algebra, Fractions, Decimals and Percentage.	Financial Capability (e.g. % discounts and interest rates).
Summer 1	AQA ELC & GCSE polygons and angles. Properties of polygons and angles. (*AQA Units 7)	Distance, Weight & Volume (e.g. demonstrate accuracy when measuring).
Summer 2	AQA GCSE Coordinates with linear graphs and Sequences. Probability.	Resilience (e.g. demonstrate perseverance with tasks / challenges).

* See Y10 – 11 AQA ELC Pathway for details.



Subject: Maths

Academic Year: Y11 GCSE

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	AQA GCSE Constructions and loci Algebra: Solving, quadratics, rearranging formulae and identities.	Apply knowledge of numbers in the 'real world'.
Autumn 2	AQA GCSE Scale diagrams angles and bearings. Transformations.	Apply knowledge of numbers in the 'real world'.
Spring 1	AQA GCSE Indices and standards form. Pythagoras and trigonometry.	Apply knowledge of numbers in the 'real world'.
Spring 2	AQA GCSE Problem solving in different functional contexts, including a review of basic number skills.	Apply knowledge of numbers in the 'real world'.
Summer 1	Review and revision for GCSE Maths (also sit functional skills level 1 exam).	Apply knowledge of numbers in the 'real world'.
Summer 2		



Subject: Maths

Academic Year: Functional Skill & LiFE

Formal Pathway Long Term Plan

	Subject Focus	PfA Focus
Autumn 1	LiFE online learning: Where money comes from and its features. How to read a payslip and what deductions are. Storing money safely, spending carefully, saving and borrowing. Importance of insurance and avoiding fraud.	Financial Capability (including working toward financial qualifications).
Autumn 2	LiFE learning: Budgeting and planning finances.	Financial Capability (including working toward financial qualifications).
Spring 1	Solve problems requiring calculation with common measures, including money, time, length, weight, capacity and temperature.	Apply knowledge of numbers in the 'real world' including demonstrating independent and effective use of a calculator (e.g. which button to press).
Spring 2	Problem solving in different functional contexts, including a review of basic number skills.	Apply knowledge of numbers in the 'real world' including demonstrating independent and effective use of a calculator (e.g. which button to press).
Summer 1	Review and revision functional skills and/or LiFE award Your Personal Finances. AQA Units awards if time allows.	Apply knowledge of numbers in the 'real world' including demonstrating independent and effective use of a calculator (e.g. which button to press).
Summer 2		