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| **Curriculum Overview Year 7**  | **Term 1** | **Term 2** | **Term 3** | **Term 4** | **Term 5** | **Term 6** |
| Pathway 1 | Number – place value (4 weeks)Number – addition and subtraction (2 weeks) | Number – addition and subtraction (cont) (1 weeks)Measurement: Length and Perimeter (2 weeks)Number – Multiplication and Division (3 weeks) | Number – Multiplication and Division (3 weeks)Measurement: Area (1 weeks)Number: Fractions (2 weeks) | Number: Fractions (cont) (2 weeks)Number – Decimals (3 weeks)Consolidation - (1 week) | Number: Decimals (2 week) Measurement: Money (2 weeks)Measurement: Time (2 weeks) | Statistics (1 week)Geometry: Properties of Shape (2 weeks)Geometry: Position and Direction (2 weeks)Consolidation - (1 week) |
| Pathway 2 | Number – place value (3 weeks)Number – addition and subtraction (3 weeks) | Number – addition and subtraction (cont) (2 weeks)Measurement –money (2 weeks)Number: Multiplication and Division (1 week)Consolidation - (1 week) | Number – Multiplication and Division (4 weeks)Statistics (2 weeks) | Geometry: Properties of Shape (3 weeks)Number: Fractions (3 weeks) | Measurement: Length and Height (2 weeks)Geometry: Position and Direction (2 weeks)Consolidation and Problem Solving - (2 week) | Measurement: Time (2 weeks)Measurement: Mass, Capacity and Temperature (3 weeks)Consolidation - (1 week) |
| Pathway 3 | Number: Place Value Within 10 (4 weeks)Number – addition and subtraction within 10 (2 weeks) | Number – addition and subtraction within 10 (cont) (3 weeks)Geometry: Shape (1 weeks)Number: Place Value Within 20 (2 weeks) | Consolidation (1 week) Number: Addition and Subtraction within 20 (3 weeks)Number: Place Value Within 50 (2 weeks) | Number: Place Value Within 50 (cont) (1 week)Measurement: Length and Height (2 weeks)Measurement: Weight and Volume (2 weeks)Consolidation (1 week)  | Consolidation (1 week) Number: Multiplication and Division (3 week)Number: Fractions (2 weeks) | Geometry: Position and Direction (1 week)Number: Place Value Within 100 (2 weeks)Measurement –money (1 week)Measurement –time (2 week) |

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| **Curriculum Overview Year 8**  | **Term 1**  | **Term 2**  | **Term 3**  | **Term 4**  | **Term 5**  | **Term 6**  |
| Pathway 1    | Number – place value (3 weeks) Number – addition and subtraction (2 weeks) Statistics (1 week)    | Statistics (cont) (1 week) Number: Multiplication and Division (3 weeks) Measurement: Perimeter and area (3 weeks)    | Number: Multiplication and Division (3 weeks) Number: Fractions (3 weeks)   | Number: Fractions (cont) (3 weeks) Number: Decimals and Percentages (2 weeks) Consolidation (1 week)  | Consolidation (1 week) Number: Decimals (3 weeks) Geometry: Properties of Shape (2 weeks)    | Geometry: Properties of Shape (cont)  (1 week) Geometry: Position and Direction (2 weeks) Measurement: Converting Units (2 weeks)  Measurement: Volume (1 week)   |
| Pathway 2    | Number – place value (3 weeks) Number – addition and subtraction (3 weeks)    | Number – addition and subtraction (cont) (2 weeks) Number: Multiplication and Division (4 weeks)   | Number: Multiplication and Division (3 weeks) Measurement: Money (1 week)  Statistics (2 weeks)  | Measurement: Length and Perimeter (3 weeks) Number: Fractions (2 weeks) Consolidation (1 week)  | Number: Fractions (3 weeks)  Measurement: Time (3 weeks)   | Geometry: Properties of Shape (2 weeks) Measurement: Mass and Capacity (3 weeks) Consolidation (1 wk)  |
| Pathway 3    | Number – place value (3 weeks) Number – addition and subtraction (3 weeks)   | Number – addition and subtraction (cont) (2 weeks) Measurement –money (2 weeks) Number: Multiplication and Division (1 week) Consolidation - (1 week)  | Number – Multiplication and Division (4 weeks) Statistics (2 weeks)  | Geometry: Properties of Shape (3 weeks) Number: Fractions (3 weeks)  | Measurement: Length and Height (2 weeks)  Geometry: Position and Direction (2 weeks) Consolidation and Problem Solving - (2 week)  |  Measurement: Time (2 weeks) Measurement: Mass, Capacity and Temperature (3 weeks) Consolidation - (1 week)   |

**Year 9**

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| **Phase 4 / Maths**  | **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2**  | **Summer 1**  | **Summer 2**  |
| **Focus for** **Learning**  | **C1 - Properties for number** This content aims to develop the student’s understanding and use of number. Students will learn about place value within whole numbers and will undertake calculations using mental arithmetic and using a calculator. Students will understand the terms odd and even, and rounding will be introduced.    **C2 – The four operations** No Calculator allowed This content aims to develop the student’s understanding and use of the four operations. Students will undertake calculations using mental arithmetic involving addition, subtraction, multiplication and division.  | **C3 – Ratio** This content aims to develop the student’s understanding of equality and basic fractions.         **C4 – Money** This content aims to develop the student’s understanding and use of money. Students will learn through practical activities about the value of coins in everyday use in the UK. They will convert units of money and use a calculator to do simple calculations of money using decimals.  | **C5 – The calendar and time** This content aims to develop the student’s understanding and use of 12 and 24-hour time and of calendars and timetables in everyday use. 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. They will also learn about days, weeks and months of the year.  **C6 – Measures** This content aims to develop the student’s understanding and use of measures. Students will learn through practical activities about methods used to measure length, weight and capacity using standard and non-standard units. They will begin to convert units of length, weight and capacity and learn how to read scales of measurement. They will also learn to compare temperature including temperature with negative values.  |
| **Pathway 1**   | 3.1 Read and write numbers up to 1,000 3.2 Order and compare numbers up to 1,000  3.3 Recognise place value in three digit numbers 3.4 Round numbers less than 1,000 to the nearest 10 3.5 Round numbers less than 1,000 to the nearest 100 3.6 Find 10 or 100 more or less than a given number 3.7 Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100  | 3.1 Add and subtract using three digit Numbers 3.2 Multiply a two digit whole number by a single digit whole number 3.3 Divide a two digit whole number by a single digit whole number 3.4 Use and interpret +, –, x ,÷ and = in real-life situations for solving problems 3.5 Use inverse operations to find missing numbers 3.6 Estimate the answer to a calculation 3.7 Recall and use multiplication facts for the 3, 4 and 8 multiplication tables  | 3.1 Identify or show unit fractions up to one tenth of a quantity up to 100 3.2 Work out unit fractions to one tenth of a number up to 100 3.3 Identify or show any number of thirds, quarters, fifths or tenths of a quantity 3.4 Work out any number of thirds, quarters, fifths or tenths of an amount 3.5 Recognise and identify equivalent Fractions 3.6 Add and subtract fractions with the same denominator within one whole 3.7 Work out amounts 5, 8 or 10 times the size of a given amount  | 3.1 Appreciate the purchasing power of amounts of money (notes) 3.2 Exchange notes for an equivalent value in coins 3.3 Use decimal notation for money 3.4 Interpret a calculator display 3.5 Solve real life problems involving what to buy and how to pay 3.6 Add amounts of money and give Change 3.7 Carry out investigations involving money  | 3.1 Solve problems involving time 3.2 Know that there are 365 days in a year, 366 days in a leap year, 12 months in a year and 52 full weeks in a year 3.3 Use a calendar and write the date correctly (day/month/year) 3.4 Tell and write the time from an analogue clock, including using Roman numerals from I to XII 3.5 Understand and use the 12-hour and 24-hour clock systems and convert from one system to the other 3.6 Convert between hours, minutes and Seconds 3.7 Add up to three lengths of time given in minutes and hours  | 3.1 Add lengths, capacities and weights and compare the total to another total or a requirement 3.2 Convert standard units of length, capacity and weight 3.3 Compare and order lengths, capacities and weights in different standard units 3.4 Measure the perimeter of a simple Shape 3.5 Choose an appropriate measuring Instrument 3.6 Read values from an appropriate Scale 3.7 Read and compare temperature including temperature with negative values  |
| **Pathway 2**   | 2.1 Read, write, order and compare numbers up to 100 2.2 Recognise place value in two digit Numbers 2.3 Count from 0 in steps of two, three and five 2.4 Round numbers less than 100 to the nearest 10 2.5 Understand and identify odd and even numbers  | 2.1 Add whole numbers with a total up to 100 2.2 Subtract one number up to 100 from Another 2.3 Multiply using single digit whole Numbers 2.4 Use and interpret +, -, × and = in real-life situations for solving problems 2.5 Recall and use multiplication facts for the 2, 5 and 10 multiplication tables  | 2.1 Identify or show one third or one quarter of a quantity up to 24 2.2 Work out one third or one quarter of a number up to 24 2.3 Count in fractions of one half or one third or one quarter 2.4 Work out amounts two, three or four times the size of a given amount 2.5 Recognise the equivalence of 12 and 24  | 2.1 Appreciate the purchasing power of amounts of money (coins) 2.2 Convert from pence to pounds and vice versa 2.3 Make amounts of money up to £2 from given coins 2.4 Make amounts of money in multiples of £5 from £5, £10 and £20 notes 2.5 Calculate with amounts of money in pence up to £1 and whole pounds up to £100 and give change  | 2.1 Know the seasons and months and their order 2.2 Know that 1 week = 7 days; 1 day = 24 hours; 1 hour = 60 minutes; 1 minute = 60 seconds 2.3 Read the time displayed on an analogue or 12 hour digital clock in hours, half hours and quarter hours and draw the hands on a clock or the digital display to represent these times 2.4 Read the time to the nearest five minutes on an analogue clock, draw the hands on a clock to show the time, and read any time on a digital clock 2.5 Find the difference between two times given in hours, half hours and quarter hours.  | 2.1 Choose appropriate standard units of length, capacity and weight 2.2 Compare and order lengths, capacities and weights in the same units 2.3 Select a possible length, capacity or weight for a given item 2.4 Measure or draw a length using a ruler 2.5 Estimate the weight, capacity or length of given items  |
| **Pathway 3**   | 1.1 Count reliably up to 20 items 1.2 Read, write, order and compare numbers up to 20, including zero 1.3 Complete a number line up to 20  | 1.1 Add two whole numbers with a total up to 20 1.2 Subtract one number up to 20 from Another 1.3 Understand and use the + and – signs to solve simple number problems  | 1.1 Understand equality 1.2 Identify or show one half of a quantity up to 20 1.3 Work out half of an even number up to 20  | 1.1 Recognise coins and notes up to £20 1.2 Exchange money up to 20p for an equivalent amount in other denominations 1. Add up to 20 coins

  | 1.1 Know the days of the week and their order 1.2 Read the time to the hour or half hour on an analogue clock and draw the hands on a clock to show these times 1.3 Order familiar events  | 1.1 Compare lengths, heights, weights and capacities 1.2 Give the length of a line drawn on a centimetre grid 1.3 Describe capacity in fractions  |

**Year 10**

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| **Phase 4 / Maths**  | **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2**  | **Summer 1**  | **Summer 2**  |
| **Focus for** **Learning**  | **C7 – Geometry** This content aims to develop the student’s understanding of shapes, coordinates and directions.  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.  **C8 –  Statistics** This content aims to develop the student's understanding and interpretation of simple statistical diagrams.  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.  | **C9 - Revision and assessments** This content aims to refresh key mathematical concepts and provide time for missed or repeated assessments to be carried out.   STUDENTS GAINING ENTRY 3 AT THIS POINT WILL PROGESS TO GCSE PATHWAY.      **C1 - Properties for number** This content aims to develop the student’s understanding and use of number. Students will learn about place value within whole numbers and will undertake calculations using mental arithmetic and using a calculator. Students will understand the terms odd and even, and rounding will be introduced.  | **C2 – The four operations** No Calculator allowed This content aims to develop the student’s understanding and use of the four operations. Students will undertake calculations using mental arithmetic involving addition, subtraction, multiplication and division.     **C3 – Ratio** This content aims to develop the student’s understanding of equality and basic fractions.   |
| **Pathway 1**   | 3.1 Recognise and name prisms, cylinders and cones 3.2 Draw lines of symmetry on shapes or pictures 3.3 Recognise and draw nets of cubes and cuboids 3.4 Identify whether an angle is less or more than a right angle 3.5 Identify horizontal, vertical and parallel lines 3.6 Denote the position of a point on a grid by its coordinates or identify a point or item given its coordinates 3.7 Use North (N), East (E), South (S) and West (W) to give directions or position from a map  | 3.1 Construct and interpret bar charts with the vertical axis scaled in ones or twos 3.2 Construct and interpret pictograms where one picture represents more than one item 3.3 Extract numerical information from lists, tables, diagrams and charts 3.4 Complete a frequency table given the original list of results 3.5 Complete a tally chart and the resulting frequency table 3.6 Compare two or more diagrams 3.7 Solve one-step and two-step problems based on statistical information  | Revise key concepts learnt in the 6 component areas and complete any required assessments.  | 3.1 Read and write numbers up to 1,000 3.2 Order and compare numbers up to 1,000  3.3 Recognise place value in three digit numbers 3.4 Round numbers less than 1,000 to the nearest 10 3.5 Round numbers less than 1,000 to the nearest 100 3.6 Find 10 or 100 more or less than a given number 3.7 Recognise and use multiples of 2, 3, 4, 5, 8, 10, 50 and 100  | 3.1 Add and subtract using three digit Numbers 3.2 Multiply a two digit whole number by a single digit whole number 3.3 Divide a two digit whole number by a single digit whole number 3.4 Use and interpret +, –, x ,÷ and = in real-life situations for solving problems 3.5 Use inverse operations to find missing numbers 3.6 Estimate the answer to a calculation 3.7 Recall and use multiplication facts for the 3, 4 and 8 multiplication tables  | 3.1 Identify or show unit fractions up to one tenth of a quantity up to 100 3.2 Work out unit fractions to one tenth of a number up to 100 3.3 Identify or show any number of thirds, quarters, fifths or tenths of a quantity 3.4 Work out any number of thirds, quarters, fifths or tenths of an amount 3.5 Recognise and identify equivalent Fractions 3.6 Add and subtract fractions with the same denominator within one whole 3.7 Work out amounts 5, 8 or 10 times the size of a given amount  |
| **Pathway 2**   | 2.1 Recognise and name shapes including pentagons, hexagons and octagons and identify a right-angled triangle from a set of triangles 2.2 Recognise and name cuboids, pyramids and spheres 2.3 Describe the properties of 2D shapes, including straight and curved edges 2.4 Describe the properties of solids 2.5 Understand angle as a measure of turn  | 2.1 Sort and classify objects using more than one criterion 2.2 Collect information by survey 2.3 Record results in lists, tally charts and tables 2.4 Construct and interpret pictograms where one picture represents one item 2.5 Interpret simple tables, diagrams, lists and graphs   | Revise key concepts learnt in the 6 component areas and complete any required assessments.  | 2.1 Read, write, order and compare numbers up to 100 2.2 Recognise place value in two digit Numbers 2.3 Count from 0 in steps of two, three and five 2.4 Round numbers less than 100 to the nearest 10 2.5 Understand and identify odd and even numbers  | 2.1 Add whole numbers with a total up to 100 2.2 Subtract one number up to 100 from Another 2.3 Multiply using single digit whole Numbers 2.4 Use and interpret +, -, × and = in real-life situations for solving problems 2.5 Recall and use multiplication facts for the 2, 5 and 10 multiplication tables  | 2.1 Identify or show one third or one quarter of a quantity up to 24 2.2 Work out one third or one quarter of a number up to 24 2.3 Count in fractions of one half or one third or one quarter 2.4 Work out amounts two, three or four times the size of a given amount 2.5 Recognise the equivalence of 12 and 24  |
| **Pathway 3**   | 1.1 Recognise and name squares, rectangles, triangles, circles, and cubes 1.2 Compare and order a group of shapes or pictures or similar shapes of different size and recognise congruent shapes  1.3 Use and understand positional vocabulary  | 1.1 Sort and classify objects using a single criterion 1.2 Interpret and draw conclusions from a list or group of objects 1.3 Construct and interpret simple line graphs  | Revise key concepts learnt in the 6 component areas and complete any required assessments.  | 1.1 Count reliably up to 20 items 1.2 Read, write, order and compare numbers up to 20, including zero 1.3 Complete a number line up to 20  | 1.1 Add two whole numbers with a total up to 20 1.2 Subtract one number up to 20 from Another 1.3 Understand and use the + and – signs to solve simple number problems  | 1.1 Understand equality 1.2 Identify or show one half of a quantity up to 20 1.3 Work out half of an even number up to 20  |

**Year 11**

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| **Phase 4 / Maths**  | **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2**  | **Summer 1**  | **Summer 2**  |
| **Focus for** **Learning**  | **C4 – Money** This content aims to develop the student’s understanding and use of money. Students will learn through practical activities about the value of coins in everyday use in the UK. They will convert units of money and use a calculator to do simple calculations of money using decimals.     **C5 – The calendar and time** This content aims to develop the student’s understanding and use of 12 and 24-hour time and of calendars and timetables in everyday use. 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. They will also learn about days, weeks and months of the year.  | **C6 – Measures** This content aims to develop the student’s understanding and use of measures. Students will learn through practical activities about methods used to measure length, weight and capacity using standard and non-standard units. They will begin to convert units of length, weight and capacity and learn how to read scales of measurement. They will also learn to compare temperature including temperature with negative values.  **C7 – Geometry** This content aims to develop the student’s understanding of shapes, coordinates and directions.  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.  | **C8 –  Statistics** This content aims to develop the student's understanding and interpretation of simple statistical diagrams.  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.     **C9 - Revision and assessments** This content aims to refresh key mathematical concepts and provide time for missed or repeated assessments to be carried out.   |
| **Pathway 1**   | 3.1 Appreciate the purchasing power of amounts of money (notes) 3.2 Exchange notes for an equivalent value in coins 3.3 Use decimal notation for money 3.4 Interpret a calculator display 3.5 Solve real life problems involving what to buy and how to pay 3.6 Add amounts of money and give Change 3.7 Carry out investigations involving money  | 3.1 Solve problems involving time 3.2 Know that there are 365 days in a year, 366 days in a leap year, 12 months in a year and 52 full weeks in a year 3.3 Use a calendar and write the date correctly (day/month/year) 3.4 Tell and write the time from an analogue clock, including using Roman numerals from I to XII 3.5 Understand and use the 12-hour and 24-hour clock systems and convert from one system to the other 3.6 Convert between hours, minutes and Seconds 3.7 Add up to three lengths of time given in minutes and hours  | 3.1 Add lengths, capacities and weights and compare the total to another total or a requirement 3.2 Convert standard units of length, capacity and weight 3.3 Compare and order lengths, capacities and weights in different standard units 3.4 Measure the perimeter of a simple Shape 3.5 Choose an appropriate measuring Instrument 3.6 Read values from an appropriate Scale 3.7 Read and compare temperature including temperature with negative values  | 3.1 Recognise and name prisms, cylinders and cones 3.2 Draw lines of symmetry on shapes or pictures 3.3 Recognise and draw nets of cubes and cuboids 3.4 Identify whether an angle is less or more than a right angle 3.5 Identify horizontal, vertical and parallel lines 3.6 Denote the position of a point on a grid by its coordinates or identify a point or item given its coordinates 3.7 Use North (N), East (E), South (S) and West (W) to give directions or position from a map  | 3.1 Construct and interpret bar charts with the vertical axis scaled in ones or twos 3.2 Construct and interpret pictograms where one picture represents more than one item 3.3 Extract numerical information from lists, tables, diagrams and charts 3.4 Complete a frequency table given the original list of results 3.5 Complete a tally chart and the resulting frequency table 3.6 Compare two or more diagrams 3.7 Solve one-step and two-step problems based on statistical information  | Revise key concepts learnt in the 6 component areas and complete any required assessments.  |
| **Pathway 2**   | 2.1 Appreciate the purchasing power of amounts of money (coins) 2.2 Convert from pence to pounds and vice versa 2.3 Make amounts of money up to £2 from given coins 2.4 Make amounts of money in multiples of £5 from £5, £10 and £20 notes 2.5 Calculate with amounts of money in pence up to £1 and whole pounds up to £100 and give change  | 2.1 Know the seasons and months and their order 2.2 Know that 1 week = 7 days; 1 day = 24 hours; 1 hour = 60 minutes; 1 minute = 60 seconds 2.3 Read the time displayed on an analogue or 12 hour digital clock in hours, half hours and quarter hours and draw the hands on a clock or the digital display to represent these times 2.4 Read the time to the nearest five minutes on an analogue clock, draw the hands on a clock to show the time, and read any time on a digital clock 2.5 Find the difference between two times given in hours, half hours and quarter hours.  | 2.1 Choose appropriate standard units of length, capacity and weight 2.2 Compare and order lengths, capacities and weights in the same units 2.3 Select a possible length, capacity or weight for a given item 2.4 Measure or draw a length using a ruler 2.5 Estimate the weight, capacity or length of given items  | 2.1 Recognise and name shapes including pentagons, hexagons and octagons and identify a right-angled triangle from a set of triangles 2.2 Recognise and name cuboids, pyramids and spheres 2.3 Describe the properties of 2D shapes, including straight and curved edges 2.4 Describe the properties of solids 2.5 Understand angle as a measure of turn  | 2.1 Sort and classify objects using more than one criterion 2.2 Collect information by survey 2.3 Record results in lists, tally charts and tables 2.4 Construct and interpret pictograms where one picture represents one item 2.5 Interpret simple tables, diagrams, lists and graphs   | Revise key concepts learnt in the 6 component areas and complete any required assessments.  |
| **Pathway 3**   | 1.1 Recognise coins and notes up to £20 1.2 Exchange money up to 20p for an equivalent amount in other denominations 1. Add up to 20 coins

  | 1.1 Know the days of the week and their order 1.2 Read the time to the hour or half hour on an analogue clock and draw the hands on a clock to show these times 1.3 Order familiar events  | 1.1 Compare lengths, heights, weights and capacities 1.2 Give the length of a line drawn on a centimetre grid 1.3 Describe capacity in fractions  | 1.1 Recognise and name squares, rectangles, triangles, circles, and cubes 1.2 Compare and order a group of shapes or pictures or similar shapes of different size and recognise congruent shapes  1.3 Use and understand positional vocabulary  | 1.1 Sort and classify objects using a single criterion 1.2 Interpret and draw conclusions from a list or group of objects 1.3 Construct and interpret simple line graphs  | Revise key concepts learnt in the 6 component areas and complete any required assessments.  |