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| **S1 Maths Broad General Education Plan – Breadth, Depth, Challenge and Skills** | | | | | | | |
| August - October | | October - December | | January – April | | April - June | |
| **Learning and Teaching Focus: (E’s and O’s)**  You will use a variety of methods to solve **number problems** in familiar contexts, clearly communicating process and solutions. You will be solving addition, subtraction, multiplication and division problems working with whole numbers, decimal fractions and **integers**.  You will **round** decimal fractions up to 3 decimal places and use rounding to estimate answers to calculations. | **Learning and Teaching Focus: (E’s and O’s)**  You will be working with **Algebraic Expressions**, collecting like terms, multiplying brackets and evaluating simple formulae using substitution. | **Learning and Teaching Focus: (E’s and O’s)**  You will be using your knowledge of the **coordinate** system and 4 quadrant Cartesian diagrams to plot and describe the location of a point on a grid. | **Learning and Teaching Focus: (E’s and O’s)**  You will be working with **Angles**. Using mathematical notation to name angles and find their sizes using your knowledge of the properties of a range of 2D Shapes and the angle properties associated with intersecting and parallel lines. You will accurately draw **2D Shapes** using appropriate mathematical instruments and methods. | **Learning and Teaching Focus: (E’s and O’s)**  You will be converting between fractions, **decimal fractions and percentages**  You will also apply your knowledge of equivalent fractions and common multiples to add and subtract commonly used fractions. | **Learning and Teaching Focus: (E’s and O’s)**  You will be calculating the **area** of 2D shapes including compound 2D shapes involving squares, rectangles and triangles. You will also be finding the **volume** of prisms, cylinders and compound 3D objects constructed from cubes and cuboids. You will use formulae to calculate **the surface area** of some 3D objects. | **Learning and Teaching Focus: (E’s and O’s)**  You will be working on solving linear **equations** involving integers.  You will also be identifying lines of **symmetry** within 2D shapes and creating symmetrical patterns and pictures. | **Learning and Teaching Focus: (E’s and O’s)**  You will learn how to **budget** effectively and will learn how to look for best value when comparing products and services. You will also convert between different currencies.  You will investigate **multiples, factors and primes** and will learn how to identify common multiples and factors. You will also learn how to write numbers as a product of primes.  You will also learn how to describe **probability** using fractions and decimal fractions and will calculate the probability of an event happening. |
| **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. Pupils will also sit the Unit 1 Assessment based on the topics covered from August to December. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. | **Assessment Approach and evidence gathered:**  Teacher observations and review of pupil jotters will be used to assess pupil learning alongside other methods of formative assessment. Pupils will also sit the Unit2 Assessment based on the topics covered from January to May |
| **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. | **Home Learning:**  Pupils will be issued regular homework assignments through TEAMS. Paper copies available if needed. |
| **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve. Be able to work out how real life situations can be made into an equation.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. | **Key Skills:**  **Literacy –**  Be able to read and understand worded problems and select an appropriate strategy to solve.  **HWB –**  Work in a safe, calm and collaborative environment.  **Digital Literacy –**  Using Teams to access homework and revision materials. Develop calculator skills. |
| **Skills for learning, work and life**  Every job requires some basic ability to add, subtract, multiply and divide. Rounding can help give an estimate of an answer before actual calculation. | **Skills for learning, work and life**  Show bravery in answering questions in class or explaining answers.  Be able to work independently, in pairs or as part of a group. | **Skills for learning, work and life**  Coordinates is used in navigation and air traffic control. Coordinates can describe the accurate location of places. | **Skills for learning, work and life**  Angle knowledge is used in many construction, architectural and engineering jobs. | **Skills for learning, work and life**  Working with fractions, decimals and percentages is a useful skill in many areas of life. For example, when dealing with money, weight, length, etc.  Percentages can be used to work out discounts, interest rates, etc. | **Skills for learning, work and life**  Area and volume is used in many construction, architectural and engineering jobs. | **Skills for learning, work and life**  Symmetry can be used in product design. Equations can be used to model real life situations and solve every day problems. | **Skills for learning, work and life**  Budgeting is a skill that will be used throughout our lives to make sure that we are effectively managing money and determining if items are affordable. |