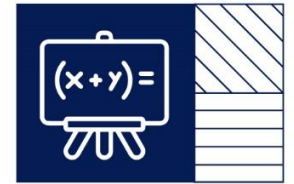




Maths Curriculum Map

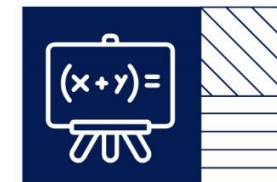


| Year | Summer | | | |
|---|--|---|--|---|
| 7 | | | | |
| <p>What Will Your Child Learn During This Term</p> | <p><u>Multiplicative Relations – Fractions and Ratios</u></p> <ul style="list-style-type: none"> Using factors to complete calculations Estimation and mental calculations Direct Proportion Exploring similar shape and the multiplicative relations when using scale factors Understanding ratio notation Having the ability to access problems with ratios Simplifying ratios Dividing into a given ratio Comparing ratios and fractions Understanding the multiplicative relationship when trying to find a fraction of a number. | | <p><u>Transformation</u></p> <ul style="list-style-type: none"> Translation: <ul style="list-style-type: none"> Using vectors to move shapes Finding the vector between two shapes Rotation: <ul style="list-style-type: none"> Order of rotational symmetry Rotate a shape about a point on the shape Rotate a shape about a point not on the shape Reflection: <ul style="list-style-type: none"> Symmetry Reflecting an object in any line Reflecting an object in an axis Compare rotation and reflection Enlargement: <ul style="list-style-type: none"> Recognising enlargement and similarity Understanding enlargement by a positive and fractional scale factor Work out the missing sides using the scale factors Determine what transformation has happened between two shapes. | |
| <p>Home learning/how</p> | <p><u>Homework</u></p> <p>Student are given weekly homework that encourages them to use the</p> | <p><u>MyMaths</u></p> <p>All students have access to their individual account on MyMaths; www.mymaths.co.uk</p> | <p><u>Schemes Of Work</u></p> <p>All students have a scheme of work stuck in their maths books. This is a list of the topics that they</p> | <p><u>Presentation in Mathematics</u></p> <p>In homework and classwork as a department we follow a very strict presentation policy and all</p> |



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|---------------------------------|---|---|---|--|
| <p>parents can help?</p> | <p>knowledge that they have been through in high school and primary school.</p> <p>This is important as this allows them to retrieve previous learning and helps solidify knowledge in students' long-term memory. Students should know what day their homework will be checked and must have it when they come to that lesson.</p> | <p>Students are asked to keep their user name and password safe in their planner. They can access different lessons that we are completing in class to enhance their understanding of the learning and knowledge that they have gained.</p> | <p>will cover during the year. It is a simplified version of the steps they will cover so they can keep a track of what they have completed and what they are yet to learn.</p> | <p>students should be aware of it and follow it at all times. Our presentation policy is that all homework and classwork should have the questions, working out and answers. This is an important practice that will enable them to access the most marks in their exams as there is always marks allocated for working out.</p> |
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| Year | Summer | | | |
|---|--|--|--|--|
| 7 | | | | |
| What Is The Prior Learning That Your Child Is Expected To Know | <p>Multiplicative Relations – Fractions and Ratios</p> <ul style="list-style-type: none"> • Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams. • Use all four operations to solve problems involving measure (for example, length, mass, volume, money) using decimal notation, including scaling. • Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts. • Solve problems involving similar shapes where the scale factor is known or can be found. • Solve problems involving unequal sharing and grouping, using knowledge of fractions and multiples. | | | <p>Transformation</p> <ul style="list-style-type: none"> • Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed. • Draw and translate simple shapes on the coordinate plane and reflect them in the axes. • Solve problems involving similar shapes where the scale factor is known or can be found. |
| Home learning/how parents can help? | <p>MyMaths</p> <p>All students will have fixed assigned tasks on MyMaths. They should use these assignments to check their prior knowledge. The class teacher will direct the students to which tasks they should complete to improve their prior knowledge.</p> <p>This is not part of the homework, this is extra work that students should complete to enhance their learning and increase their fluency in maths.</p> | | | <p>Missed a Lesson</p> <p>In Key Stage 3 we are using MyMaths lessons and tasks to help students catch up in the case that they have missed a lesson. This helped them to be ready to engage with their next maths lessons and increases their chance to success.</p> <p>The title of the lesson will be shared by the teacher and they need to find it on MyMaths and complete the lesson to enhance their learning within the classroom. Positive points will be awarded for this as it shows their resilience and high aspirations</p> |

