

Key Stage 3 Curriculum Map 2019 - 2020

Term 1

| Subject: Mathematics | | Year Group: 9 | | |
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| Week/Date | Focus/Topic | Objectives | Key Skills | Home Learning/Resources |
| 1 Sept 2 nd -5 th | <ul style="list-style-type: none"> Baseline assessments, curriculum orientation and expectations | | | |
| 2-3 Sept 8 th -19 th | <ul style="list-style-type: none"> Indices | <ul style="list-style-type: none"> To be able to apply the laws of indices, including with negative indices. | <ul style="list-style-type: none"> Reasoning | <ul style="list-style-type: none"> Corbett Maths Problem Solving |
| 4 Sept 22 th -26 th | <ul style="list-style-type: none"> Standard Form | <ul style="list-style-type: none"> To be able to write numbers in standard form and apply the 4 operations. | <ul style="list-style-type: none"> Relation to the real world/application Reasoning | |
| 5 Sept 29 rd -3 rd | <ul style="list-style-type: none"> Percentage Change & Reverse Percentages | <ul style="list-style-type: none"> To write one number as a fraction of another. To calculate the original price of an item in a sale. | <ul style="list-style-type: none"> Use of a ratio table | |
| 6-7 Oct 6 th – 17 th | <ul style="list-style-type: none"> Interest & Depreciation | <ul style="list-style-type: none"> To be able to calculate simple and compound interest. To be able find the depreciated value of an item after a given amount of time. | <ul style="list-style-type: none"> Converting between fractions, decimals and percentages Interpretation of answers | |
| Oct 20 th -24 th | Mid Term Break | | | |
| 8-9 Oct 27 th -Nov 7 th | <ul style="list-style-type: none"> Speed, Distance & Time | <ul style="list-style-type: none"> To find an average speed, given a distance and time. To draw a speed, distance and time graph. | <ul style="list-style-type: none"> Graph drawing Use of a ratio table | <ul style="list-style-type: none"> Corbett Maths Problem Solving |
| 10 Nov 10 th – 14 th | <ul style="list-style-type: none"> Currency Conversion | <ul style="list-style-type: none"> To convert between several currencies given exchange rates. | <ul style="list-style-type: none"> Relation to the real world Multiplication of decimals | |

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| <p>11 Nov 17th – 21st</p> | <ul style="list-style-type: none"> Pythagoras' Theorem in 3D | <ul style="list-style-type: none"> To be able to find the lengths of space diagonals. | <ul style="list-style-type: none"> Knowledge of square roots Spatial awareness | <ul style="list-style-type: none"> Corbett Maths Problem Solving |
| <p>12 Nov 24th – 5th</p> | <ul style="list-style-type: none"> Arcs & Sectors | <ul style="list-style-type: none"> To be able to find the area and perimeter of sectors. | <ul style="list-style-type: none"> Knowledge of area and perimeter of circles and semicircles | |
| <p>13 Nov 8th – 12th</p> | <ul style="list-style-type: none"> Volume & Surface Area of Prisms & Cylinders | <ul style="list-style-type: none"> To be able to find the volume and surface area of triangular prisms and cylinders. | <ul style="list-style-type: none"> Spatial awareness | |
| <p>Winter Break: December 13th – January 2nd</p> | | | | |