

KS3 Year 7 Curriculum Map 2019 - 2020

Term 1

| Subject: Mathematics | | Year Group: 7 | | |
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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"> Negative Numbers | <ul style="list-style-type: none"> To be able to add and subtract negative numbers. To be able to multiply and divide negative numbers. | <ul style="list-style-type: none"> Apply knowledge of negative numbers to real life context; thermometers, bank accounts etc. | <ul style="list-style-type: none"> Problem Solving Activities |
| 4 Sept 22 rd -26 th | <ul style="list-style-type: none"> Multiplication and Division of Integers | <ul style="list-style-type: none"> To be able to use the area model to multiply integers. To use long division for division. | <ul style="list-style-type: none"> To consistently use the area model for any multiplication. To consistently use long division for any division question. | |
| 5 Sept 29 th -Oct 3 rd | <ul style="list-style-type: none"> Appreciation of Number Systems | <ul style="list-style-type: none"> To have a knowledge of Roman Numerals and Binary. | <ul style="list-style-type: none"> To have an appreciation of other culture's number systems. | |
| 6 Oct 6 th -10 th | <ul style="list-style-type: none"> Fractions, Decimals and Percentages | <ul style="list-style-type: none"> To be able to convert between fractions, decimals and percentages using a variety of methods. | <ul style="list-style-type: none"> To understand and appreciate the equivalence of fractions, decimals and percentages. | |
| 7 Oct 13 th -17 th | <ul style="list-style-type: none"> Percentages of amounts | <ul style="list-style-type: none"> To be able to find percentages of amounts. | <ul style="list-style-type: none"> To apply knowledge to real life problems involving money. | |
| 8 Oct 20 th -24 th | Mid Term Break | | | |
| 9 Oct 27 th -Oct 31 st | <ul style="list-style-type: none"> Ratio | <ul style="list-style-type: none"> To be able to share amounts in different ratios. | <ul style="list-style-type: none"> To apply knowledge to real life problems involving money. | <ul style="list-style-type: none"> Problem Solving Activities |

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| 10 Nov 3 rd -7 th | <ul style="list-style-type: none"> Ratio | <ul style="list-style-type: none"> To be able to use ratio to solve recipe questions. | <ul style="list-style-type: none"> To apply knowledge to real life problems involving ratio and proportion. | <ul style="list-style-type: none"> Problem Solving Activities |
| 11 Nov 10 th -14 th | <ul style="list-style-type: none"> Properties of 2D Shapes | <ul style="list-style-type: none"> To know the properties of triangles, quadrilaterals and other common 2D shapes. | <ul style="list-style-type: none"> To recall basic properties fluently. | |
| 12 Nov 17 th -21 st | <ul style="list-style-type: none"> Area of Triangles and Quadrilaterals | <ul style="list-style-type: none"> To be able to find the area of any triangle. To be able to find the area of any quadrilateral. | <ul style="list-style-type: none"> To apply this knowledge to real life problems involving area. | <ul style="list-style-type: none"> Mathletics Problem Solving Activities |
| 13 Nov 24 th -28 th | <ul style="list-style-type: none"> Area & Perimeter of Rectilinear Shapes | <ul style="list-style-type: none"> To be able to partition compound shapes into triangles and quadrilaterals. | <ul style="list-style-type: none"> To apply this knowledge to real life problems involving area and perimeter. | |
| 14/15 Dec 1 st -12 th | <ul style="list-style-type: none"> Volume & Surface Area of a Cuboid | <ul style="list-style-type: none"> To be able to find the surface area of a cuboid. To be able to find the volume of a cuboid. | <ul style="list-style-type: none"> To apply this knowledge to real life problems involving measurements. | <ul style="list-style-type: none"> Problem Solving Activities |
| Winter Break: December 13 th – January 2 nd | | | | |