

Elm Court School

Mathematics Curriculum Overview



Year 7:	Year 8:	Year 9:	Year 10:	Year 11:
<p>Cross curricular learning with the themes of:</p> <ul style="list-style-type: none"> • Multiples • Numbers up to 100 • Recognise and name 2D and 3D shapes • Solve and represent simple problems • Measurement of weight, mass, length • Recognise and name fractions • Find fractions of quantities, shapes and amounts 	<p>Cross curricular learning with the themes of:</p> <ul style="list-style-type: none"> • Full understanding of place value • Identify edges, vertices, sides and faces on 2D and 3D shapes • Use vocabulary of direction and position including compass points • Investigate the communality of operations • Investigate and solve problems involving time • Measurement including capacity and temperature 	<p>By the end of Year 9 we aim that all students will achieve Entry Level 3</p> <p>Functional Skills:</p> <ul style="list-style-type: none"> • Draw 2D and 3D shapes in different orientations • Investigate angles including turns and naming angles • Solve problems in relation to x and the relationship to y • Interpret and present data in a variety of means including using ICT • Use of perimeter and use in real life scenarios • Understand numeric facts about the planet 	<p>Students in Years 10 and 11 explore and apply Mathematics in a much more functional way as they prepare for the Functional Skills examinations and the Edexcel GCSE:</p> <ul style="list-style-type: none"> • Investigate area and perimeter and apply in practical situations • Use and apply knowledge of multiples and factors in real life scenarios • Conversion of percentages, decimals and fractions. • Compare, read, present and interpret data from a number of different sources. 	<p>Students in Year 10 and 11 explore and apply Mathematics in a much more functional way as they prepare for the Functional Skills examinations and the Edexcel GCSE:</p> <ul style="list-style-type: none"> • Number knowledge, factors, prime factors, multiples, triangle numbers • Problem solving including volume, area, ratio, perimeter and number theory • Multiplication and division of fractions • Functional problems involving money, best buys and contracts • Transformation and translation • Trial and improvement

How you can support your child in Mathematics:

- Have regular talks with your child about the work they are doing in Mathematics
- When engaging in practical activities at home, involve your child, e.g. cooking (weight, time, etc.), putting up shelves (measurement, problem solving)
- Reinforce time by asking the time and asking how long until
- Always be positive about Mathematics and about your child's achievement

We love to hear from parents and carers in students' books, feel free to leave comments alongside teacher marking. It is helpful at GCSE to purchase the relevant revision guide.

Please keep in touch with the Mathematics Department should you feel your child is struggling or needs more challenge – let us know. You can also use the home school diary or email. Emails can be sent to: maths@elmcourt.lambeth.sch.uk.