

Elm Court School

Science Curriculum Overview



PUPILS IN YEAR 6 FOLLOW AN INDIVIDUALISED TIMETABLE

Year 7:	Year 8:	Year 9:	Year 10:	Year 11:	6 th Form:
<p>Science curricular covering areas from investigation, life processes, materials, physical properties and an introduction and safety in science.</p> <p>Pupils start the programme of study for Entry Level Science:</p> <ul style="list-style-type: none"> • Energy Resources • The Solar Systems & Beyond • Acids & Alkalis • Environment & Feeding Relationships • Forces & their Effects • Electrical Circuits • Reproduction • Solids, Liquids, Gases • Metals and their reactivity 	<p>Science curricular covering areas from investigation, life processes, materials and physical properties:</p> <ul style="list-style-type: none"> • Cells, tissues, organs, organs systems • Microbes & Disease • Lifestyle and Health • Food & Digestion • Respiration • Atoms & Elements • Compounds & Mixtures • Heating & Cooling • Energy • Forces and the transfer of matter 	<p>Science curricular covering areas from investigation, life processes, materials and physical properties.</p> <p>Pupils also take their Entry Level Science Exams to prepare them for their GCSE</p> <ul style="list-style-type: none"> • Plants, Animals and their environment • Energy & Electricity • Inheritance & Selection • Reactions of Metals & Metal Compounds • Patterns of Reactivity • Plants & Photosynthesis • Using Chemistry • Magnetism and Waves • Writing up Scientific Investigations 	<p>Science curricular covering areas from investigation, life processes, materials and physical properties:</p> <p>Pupils in Year 10 start to study BTEC Science.</p> <p>Programs of Study:</p> <ul style="list-style-type: none"> • The structure and function of cells • Ecosystem and Genes • Skills and Techniques for Chemistry parts 1 and 2 <p>By the end of Year 10 pupils will achieve BTEC Level 1 Award in Science</p>	<p>Science curricular covering areas from investigation, life processes, materials and physical properties.</p> <p>Pupils complete their BTEC Level 1 Award or Certificate and being study for the BTEC Level 1 Certificate in Science</p> <p>Programs of Study:</p> <ul style="list-style-type: none"> • Physics and our Universe parts 1 and 2 • Causes of Disease and Maintaining Health parts 1 and 2 <p>By the end of Year 11 pupils will achieve BTEC Level 1 Certificate in Science</p>	<p>Pupils continue to study this core subject and build on the qualifications achieved in years 10 and 11.</p> <p>They can complete:</p> <ul style="list-style-type: none"> • BTEC Level 1 Certificate in Science <p>Or</p> <ul style="list-style-type: none"> • Some pupils can study for the GCSE combined Science

How you can support your child in Science:

Encourage your child to watch Scientific documentaries and nature programmes. Don't forget all those Science video clips on YouTube!! Another great thing to do is, work through different Bitesize Science Activities (internet) and Science Revision Guides & Work Books (homework books). Science Week takes place in March. Find out what is going on and get your child involved in this annual extravaganza! Finally, where possible, take your child to museums and exhibitions in order to deepen their understanding and build their passion for Science 'the wonderful world around them'!

Please keep in touch with the Science section should you feel your child is struggling or needs more challenge – let us know. Emails can be sent to: admin@elmcourt.lambeth.sch.uk.