

### Science at Key Stage 3

The Key Stage 3 Science curriculum is the foundation of a good scientific understanding. Developed to teach key scientific principles on which to develop knowledge and logic whilst inspiring students to develop practical skills, understanding and asking scientific questions.

In Years 7 and 8 there are smaller assessments throughout each topic concentrating on knowledge learnt in that topic. Alongside these are three larger exams in the autumn, spring and summer which assess understanding throughout and across the academic years (cumulative assessment of knowledge and understanding to that date). During the Spring Term all Year 9 pupils will sit the end of key stage exam, facilitating the change to GCSE. This exam covers all knowledge learnt at KS3.

A variety of resources are used to help deliver the course – we would highly recommend pupils use an appropriate KS3 revision guide (e.g., KS3 Bitesize or a KS3 Revision Guide) to go over topics before they are taught in science lessons, help pupils to learn concepts, consolidate knowledge/understanding and revise each topic for each assessment and exam.

The following is an outline of the topics covered throughout KS3. Timings are approximations.

#### Topics Covered per Term

Term	Year 7	Year 8	Year 9
<b>Autumn</b>	<ul style="list-style-type: none"><li>• Acids</li><li>• Cells</li><li>• Forces</li></ul>	<ul style="list-style-type: none"><li>• Earth and Materials</li><li>• Energy</li><li>• Inheritance</li></ul>	<ul style="list-style-type: none"><li>• Cellular Electricity</li><li>• Rates &amp; Reactions</li></ul>
<b>Spring</b>	<ul style="list-style-type: none"><li>• Particles</li><li>• Reproduction</li><li>• Space</li></ul>	<ul style="list-style-type: none"><li>• Body</li><li>• Electricity 1</li><li>• Periodic Table</li></ul>	<ul style="list-style-type: none"><li>• Exam skills and technique</li><li>• GCSE curriculum - See combined science at KS4</li></ul>
<b>Summer</b>	<ul style="list-style-type: none"><li>• Ecology</li><li>• Elements, Compounds and mixtures</li><li>• Reactions</li><li>• Sound</li></ul>	<ul style="list-style-type: none"><li>• Chemical Reactions</li><li>• Health</li><li>• Light</li></ul>	<ul style="list-style-type: none"><li>• GCSE curriculum - See combined Science at KS4</li></ul>