

## SCIENCE

### KS3 SCIENCE

|        | TERM 1   | TERM 2   | TERM 3   |
|--------|--|--|--|
| Year 7 | <b>CONTENT</b><br>Introduction: Becoming a Scientist<br>Particles and Separating techniques<br>Energy  | <b>CONTENT</b><br>Cells, tissues and organ systems<br>Chemistry Fundamentals<br>Forces   | <b>CONTENT</b><br>Health<br>Key Skills   |
| Year 8 | <b>CONTENT</b><br>Processes of Life<br>Waves<br>Acids and Alkalis AND the Periodic Table   | <b>CONTENT</b><br>Electricity and Magnetism<br>Reproduction and Inheritance  | <b>CONTENT</b><br>Mission to Mars<br>KS4 Skills  |
|        | <b>ASSESSMENTS</b> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> <li>• Required Practical Write-ups</li> </ul>                                 | <b>ASSESSMENTS</b> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> <li>• Required Practical Write-ups</li> </ul>                               | <b>ASSESSMENTS</b> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> <li>• Required Practical Write-ups</li> <li>• End of Year exam</li> </ul>   |
|        | <b>HOW PARENTS CAN SUPPORT LEARNING</b><br><br>Ensuring your child completes homework and brings the correct equipment to every lesson<br><br>Ensuring your child is able to access Google classroom, Kerboodle and Doodle . | <b>HOW PARENTS CAN SUPPORT LEARNING</b><br><br>Ensuring your child completes homework and brings the correct equipment to every lesson<br><br>Ensuring your child is able to access Google classroom, Kerboodle and Doodle | <b>HOW PARENTS CAN SUPPORT LEARNING</b><br><br>Ensuring your child completes homework and brings the correct equipment to every lesson<br><br>Ensuring your child is able to access Google classroom, Kerboodle and Doodle |

**GCSE SCIENCE – AQA Trilogy 8464 /Separate Sciences (Biology 8461, Chemistry 8462, Physics 8463)**

|         | TERM 1  | TERM 2  | TERM 3  |
|---------|---|---|---|
| Year 9  | <p><b>CONTENT</b><br/>                     Atomic Structure and The Periodic Table<br/>                     Cell Structure and Function<br/>                     Molecules and Matter<br/>                     Structure and Bonding</p>  | <p><b>CONTENT</b><br/>                     Structures and Bonding<br/>                     Enzymes and Digestion<br/>                     Energy</p>  | <p><b>CONTENT</b><br/>                     Photosynthesis<br/>                     Transpiration and Translocation</p>  |
| Year 10 | <p><b>CONTENT</b><br/>                     Respiration<br/>                     Circulatory System and Transpiration<br/>                     Mixtures and Equations<br/>                     Acids and Metals<br/>                     Electricity<br/>                     Atomic Structure and Radiation</p>   | <p><b>CONTENT</b><br/>                     Cell Division and Reproduction<br/>                     Non communicable Diseases<br/>                     Homeostasis<br/>                     Acids and Metals<br/>                     Electrolysis<br/>                     Organic Chemistry<br/>                     Forces</p>  | <p><b>CONTENT</b><br/>                     Homeostasis<br/>                     Biodiversity<br/>                     Organisation of the Ecosystem<br/>                     Organic Chemistry<br/>                     Chemistry of the Atmosphere<br/>                     Using Resources<br/>                     Waves<br/>                     Electromagnetism (Triple do Space first)</p> |
| YEAR 11 | <p><b>CONTENT</b><br/>                     Biodiversity (and Food production for triple)<br/>                     Communicable Diseases<br/>                     Preventing and Treating Disease<br/>                     Using resources<br/>                     Energy<br/>                     Chemistry Triple content<br/>                     Reaction rates<br/>                     Forces</p> | <p><b>CONTENT</b><br/>                     DNA Inheritance and Biotechnology<br/>                     Evolution and Change<br/>                     Reversible Reactions<br/>                     Dynamic equilibrium and Moles<br/>                     Chemistry Triple content<br/>                     Electromagnetism<br/>                     Nuclear Fission, Fusion and Space (set 1 only)</p> | <p><b>CONTENT</b><br/>                     Evolution and Change<br/>                     Transition Metals (set 1 only)<br/>                     Chemical Analysis (set 1 only)<br/>                     Practical review<br/>                     Revision Techniques<br/>                     Exam Question Practice</p>  |
|         | <p><b>ASSESSMENTS</b></p> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> </ul>   | <p><b>ASSESSMENTS</b></p> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> </ul>   | <p><b>ASSESSMENTS</b></p> <ul style="list-style-type: none"> <li>• Standardised Tests which can monitor progress</li> <li>• Homework Assessments</li> <li>• End of Year exam</li> </ul>   |
|         | <p><b>HOW PARENTS CAN SUPPORT LEARNING</b></p> <p>Ensuring your child completes homework and brings the correct equipment to every lesson</p> <p>Ensuring your child is able to access moodle, kerboodle and doddle</p>   | <p><b>HOW PARENTS CAN SUPPORT LEARNING</b></p> <p>Ensuring your child completes homework and brings the correct equipment to every lesson</p> <p>Ensuring your child is able to access moodle, kerboodle and doddle</p>   | <p><b>HOW PARENTS CAN SUPPORT LEARNING</b></p> <p>Ensuring your child completes homework and brings the correct equipment to every lesson</p> <p>Ensuring your child is able to access moodle, kerboodle and doddle</p>   |