

SCIENCE CURRICULUM

| Term | | Year 7 | Year 8 | Year 9 | Year 10 | Year 11 |
|------|---------------------|--|---|--|--|--|
| 1 | September - October | Cells, Tissues and Organs Mixtures and Separation | Breathing and Respiration Combustion | CB1 - Key Concepts in Biology Cells, Enzymes and Transporting Substances | CC5-CC7 - Bonding CC8 - Acids and Alkalis | CB7 - Animal Control, Coordination and Homeostasis CB8 - Exchange and Transport in Animals |
| | November - December | Energy Muscles and Bones | Fluids Animal Reproduction | CC1-CC4 - Key Concepts in Chemistry States of Matter, Atoms and the Periodic Table | CC9 - Calculations involving masses CC10-CC12 - Electrolysis, Metals and Reversible Reactions | CB9 - Ecosystems and Material Cycles MOCKS REVISION |
| 2 | January - February | Acids and Alkalis Forces | The Periodic Table Light | CP1 - Key Concepts in Physics Forces and Motion | CP1-CP2 - Motion and Forces CP3 - Energy | CC13 - CC15 Groups in the Periodic Table, Rates of Reaction & Endothermic and Exothermic Reactions CC16-CC17 Fuels and Earth Sciences |
| | March - April | Ecosystems The Particle Model | Plant Reproduction Metals | CB5 - Introduction to GCSE Biology Health, Disease and the development of Medicines | CP4 - Waves CP5 - Light and the Electromagnetic Spectrum | CP7-CP8 Work CP9 - Electricity and Circuits CP10 - Magnetism |
| 3 | May - June | Electricity Food and Nutrition | Conduction, Convection and Radiation Unicellular Organisms | CC5-CC7 - Introduction to GCSE Chemistry Bonding | CP6 - Radioactivity CB6 - Plant Structures and their Functions | CP12-CP13 Particle Model and Forces REVISION |
| | June - July | Atoms, Elements and Compounds Sound | Rocks Earth Science | CP3 - Introduction to GCSE Physics Conservation of Energy | CB7 - Animal Coordination, Control and Homeostasis | REVISION AND EXAMS |

| | | | | | |
|--------------------|---------------------|---------------------|---|---|---|
| Additional reading | Exploring Science 7 | Exploring Science 8 | Edexcel Combined Science Textbook CGP Edexcel Combined Science Revision Guide Pearson Edexcel Combined Science Revision Guide | Edexcel Combined Science Textbook CGP Edexcel Combined Science Revision Guide Pearson Edexcel Combined Science Revision Guide | Edexcel Combined Science Textbook CGP Edexcel Combined Science Revision Guide Pearson Edexcel Combined Science Revision Guide |
|--------------------|---------------------|---------------------|---|---|---|

| | | |
|-------------------------|---|---|
| Useful websites / links | Pearson Active Learn BBC Bitesize Key Stage 3 Science Oak Academy Key Stage 3 Science | Pearson Active Learn BBC Bitesize GCSE Combined Science Oak Academy Key Stage 4 Science |
|-------------------------|---|---|