

| Year |   |
|------|---|
| 7    | Cells, Tissues Organs and Systems; Sexual reproduction in Animals; Muscles and Bones; Ecosystems; Mixtures and Separation; Acids and Alkalis; The Particle Model; Atoms, Elements and Molecules,; Energy; Current Electricity; Forces; Sound.   |
| 8    | Mixtures and Separation; Sound; Energy Transfers; Food & Nutrition; The Periodic Table; Breathing & Respiration; Light; Unicellular Organisms; Combustion; Fluids   |
| 9    | <b>September – Christmas:</b> ISA Skills, Metals and Rocks<br><b>Post-Christmas:</b> Start <u>New AQA GCSE</u> Forces & Interactions; Atomic Structure; Cell Structure & Transport; Forces & Motion; Periodic Table; Cell division  |
| 10   | <u>Old AQA GCSE</u> Drugs against Disease; Hormones; Food Chains; Genetic engineering; Metals; Crude Oil; Polymers; Oil from plants; The Earth; Energy; Electricity; Sound; Waves   |
| 11   | <u>OCR</u> Living and Growing; It's a Green World; Chemical Economics; The Periodic Table; Forces for Transport; Radiation for Life. Separate Scientists will do It's a Green World; The Periodic Table; Radiation for Life; The Living Body; Beyond the Microscope; How Much?; Chemistry out there; Space for Reflection; Electricity for Gadgets.   |
| 12   | <b>Biology – <u>New AQA</u></b> – Biological molecules; Transport in animals and plants; Biodiversity; Gas exchange<br><b>Chemistry – <u>New AQA</u></b> – Atomic structure; amount of substance; bonding; periodicity; alkanes; energetics; kinetics; equilibria, redox reactions; group 7; group 2; extraction of metal; haloalkanes; alkenes; alcohols; analytical techniques<br><b>Physics – <u>New AQA</u></b> – Particles; quantum phenomena; electricity; mechanics; materials & waves |

|                  |   |
|------------------|---|
|                  | <p><b>BTEC – <u>Edexcel</u></b> – Fundamental of Science; working in the Science industry; Scientific practical techniques</p>  |
| <p><b>13</b></p> | <p><b>Biology – <u>Old OCR</u></b> – Homeostasis; photosynthesis; respiration; genome; environment; animal &amp; plant responses</p> <p><b>Chemistry – <u>Old AQA</u></b> – Kinetics; equilibria; acids, bases and buffers; nomenclature; isomerism; aromatic chemistry; amines; amino acids; polymerisation; structure determination; thermodynamics; periodicity; redox; transition metals; inorganic reactions</p> <p><b>Physics – <u>Old AQA</u></b> – Fields &amp; further mechanics; nuclear &amp; thermal physics; turning points in physics</p> <p><b>BTEC – <u>Edexcel</u></b> – Chemistry for Biology Technicians; Astronomy; Physiology of Human Biology</p> |