

| | Autumn | | | Spring | | | Summer | | |
|---------|--|--|---------------------|-------------------------------|---|-----------------------------------|---------------------------------|---|---|
| | Biology | Chemistry | Physics | Biology | Chemistry | Physics | Biology | Chemistry | Physics |
| Year 7 | Organisms 1 Ecosystems1 | Matter 1 | Forces 1 | Ecosystems 1 | Reactions 1 | Forces 1 Energy 1 | Genes 1 | Earth 1 | Electromagnets 1 Waves 1 |
| Year 8 | Organisms 2 Ecosystems 2 | Matter 2 | Forces 2 | Ecosystems 2 | Reactions 2 | Forces 2 Energy 2 | Genes 2 | Earth 2 | Electromagnets 2 Waves 2 |
| Year 9 | Cell structure & transport | Atomic structure & periodic table | Energy | Principals of organisation | | Energy | Cell division | Reactivity & states of matter | Particle model of matter Electricity |
| Year 10 | Infection & response Bioenergetics | Quantitative chemistry Chemical changes | Atomic structure | Homeostasis & response | Energy changes Rate & extent of chemical change | Energy & electricity review | Mock Preparation & review | Organic chemistry Mock Preparation & review | Forces Mock Preparation & review |
| Year 11 | | Paper 2 content | Paper 2 content | Paper 2 content | GCSE revision | GCSE revision | GCSE revision | GCSE revision | GCSE revision |

| KS3 | Autumn | | | Spring | | | Summer | | |
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| | Biology | Chemistry | Physics | Biology | Chemistry | Physics | Biology | Chemistry | Physics |
| Year 7 | Organisms 1 <ul style="list-style-type: none"> Cells Movement Ecosystems1 <ul style="list-style-type: none"> Interdependence Plant Reproduction | Matter 1 <ul style="list-style-type: none"> Particle model Separating mixtures | Forces 1 <ul style="list-style-type: none"> Speed Gravity | Ecosystems 1 <ul style="list-style-type: none"> Interdependence Plant reproduction | Reactions 1 <ul style="list-style-type: none"> Acids & alkalis Metals & non-metals | Forces 1 <ul style="list-style-type: none"> Speed Gravity Energy 1 <ul style="list-style-type: none"> Energy costs Energy transfer | Genes 1 <ul style="list-style-type: none"> Variation Human reproduction | Earth 1 <ul style="list-style-type: none"> Earth structure Universe | Electromagnets 1 <ul style="list-style-type: none"> Potential difference & resistance Current Waves 1 <ul style="list-style-type: none"> Sound Light |
| Year 8 | Organisms 2 <ul style="list-style-type: none"> The digestive system Healthy lifestyle Ecosystems 2 <ul style="list-style-type: none"> Respiration Photosynthesis | Matter 2 <ul style="list-style-type: none"> Elements, compounds & mixtures Periodic table | Forces 2 <ul style="list-style-type: none"> Forces Pressure | Ecosystems 2 <ul style="list-style-type: none"> Respiration Photosynthesis | Reactions 2 <ul style="list-style-type: none"> Chemical reactions Energy in reactions | Forces 2 <ul style="list-style-type: none"> Forces Pressure Energy 2 <ul style="list-style-type: none"> Work, energy & machines Energy transfer | Genes 2 <ul style="list-style-type: none"> Natural selection DNA | Earth 2 <ul style="list-style-type: none"> Materials Climate | Electromagnets 2 <ul style="list-style-type: none"> Magnets & magnetic fields Electromagnets Waves 2 <ul style="list-style-type: none"> Sound Electromagnetic waves |
| Year 9 | Cell structure & transport <ul style="list-style-type: none"> Cell structure Cell Transport | Atomic structure & periodic table <ul style="list-style-type: none"> Atoms, elements, isotopes, charge Periodic table | Energy <ul style="list-style-type: none"> Energy stores & changes Conservation & dissipation of energy National & global energy resources | Principals of organisation <ul style="list-style-type: none"> Animal tissues, organs & organ systems Plant tissues, organs & organ systems | | Energy <ul style="list-style-type: none"> Energy stores & changes Conservation & dissipation of energy National & global energy resources | Cell division <ul style="list-style-type: none"> Cell division Stem cells | Reactivity & states of matter <ul style="list-style-type: none"> Chemical bonds How structure & bonding relate to properties Structure & bonding of carbon | Particle model of matter <ul style="list-style-type: none"> Changes of state and particle model Internal energy & energy transfers Particle model and pressure Electricity <ul style="list-style-type: none"> Current, potential difference & resistance Series and parallel circuits Domestic uses & safety Energy transfers |

| KS4 | Autumn | | | Spring | | | Summer | | |
|---------|---|---|--|---|---|--|--|--|--|
| | Biology | Chemistry | Physics | Biology | Chemistry | Physics | Biology | Chemistry | Physics |
| Year 10 | <p>Infection & response</p> <ul style="list-style-type: none"> Communicable disease <p>Bioenergetics</p> <ul style="list-style-type: none"> Photosynthesis Respiration | <p>Quantitative chemistry</p> <ul style="list-style-type: none"> Chemical measurements Use and amount of substance <p>Chemical changes</p> <ul style="list-style-type: none"> Reactivity of metals Reactions of acids Electrolysis | <p>Atomic structure</p> <ul style="list-style-type: none"> Atoms & isotopes Atoms & nuclear radiation | <p>Homeostasis & response</p> <ul style="list-style-type: none"> Homeostasis The human nervous system Hormonal coordination | <p>Energy changes</p> <ul style="list-style-type: none"> Exothermic & endothermic reactions <p>Rate & extent of chemical change</p> <ul style="list-style-type: none"> Rate of reaction Reversible reactions & dynamic equilibrium | <p>Energy & electricity review</p> <ul style="list-style-type: none"> Energy calculations Electricity calculations Circuit rules | <p>Mock revision & review</p> | <p>Organic chemistry</p> <ul style="list-style-type: none"> Carbon compounds as fuels and feedstock <p>Mock revision & review</p> | <p>Forces</p> <ul style="list-style-type: none"> Forces and their interactions Work done & energy transfer Forces & elasticity Forces & motion Forces & braking Momentum <p>Mock revision & review</p> |

| KS4 | Autumn | | | Spring | | | Summer | | |
|---------|---------|--|--|---|---------------|---------------|---------------|---------------|---------------|
| | Biology | Chemistry | Physics | Biology | Chemistry | Physics | Biology | Chemistry | Physics |
| Year 11 | | Paper 2 content <ul style="list-style-type: none"> • Key concepts in chemistry • Groups in the periodic table • Rates of reaction and energy changes, • Fuels and Earth science | Paper 2 content <ul style="list-style-type: none"> • Key concepts of physics • Energy - Forces doing work, Forces and their effects • Electricity and circuits • Magnetism and the motor effect • Electromagnetic induction • Particle model • Forces and matter | Paper 2 content <ul style="list-style-type: none"> • Key concepts in biology • Plant structures and their functions • Animal coordination, control and homeostasis • Exchange and transport in animals • Ecosystems and material cycles | GCSE revision | GCSE revision | GCSE revision | GCSE revision | GCSE revision |