

Key Stage 3: Students study 30 areas of Science with 10 in each of the specialisms. The broad topics we cover are noted here in the order in which they are usually studied.

| | AUTUMN | SPRING | SUMMER |
|---------------|---|--|--|
| Year 7 | Safety in Science Biology: Tissues Biology: Reproduction Physics: Forces Physics: Electrical Circuits | Chemistry: Acids & Alkali Chemistry: Mixtures & Separation Biology: Human Body Biology: Ecology | Physics: Energy Physics: Sound Project Work & Intervention |
| Year 8 | Chemistry: Particles Chemistry: Rocks Biology: Food & Digestion Biology: Plant Reproduction | Physics: Particles Physics: Lights Chemistry: Combustion Chemistry: Periodic Table | Biology: Breathing & Respiration Biology: Microbes Project Work & Intervention |
| Year 9 | Physics: Energy Transfers Physics: Earth & Beyond Chemistry: Metals Chemistry: Elements/ Compounds | KS4 Biology Topic 1 & 2 | KS4 Physics Topic 2 |

NB: As each topic is revisited the skill set and complexity increases

Assessment is against grades and the information on our half termly report is based on all the work and tests your child has done during that half term.

Key Stage 4: Students student GCSE Combined Science EDEXCEL. Students study for 6 examinations to give the students 2 GCSE's.

Biology Paper 1 (Year 10 Content)
Biology Paper 2 (Year 11 Content)
Chemistry Paper 3 (Year 10 Content)

Chemistry Paper 4 (Year 11 Content)
Physics Paper 5 (Year 10 Content)
Physics Paper 6 (Year 11 Content)

Year 10 - Paper 1, 3 and 5:

| BIOLOGY TOPICS | CHEMISTRY TOPICS | PHYSICS TOPICS |
|---|--|---|
| Topic 1 - Key Concepts in Biology Topics 2 - Cells & Control Topic 3 - Genetics Topic 4 - Natural Selection & Genetic Modification Topic 5 - Health & Disease | Topic 1 - States of Matter Topic 2 - Methods of Separating & Purifying Topic 3 - Atomic Structure Topic 4 - The Periodic Table Topic 5 - Ionic Bonding Topic 6 - Covalent Bonding Topic 7 - Acids & Alkalis Topic 8 - Calculations Involving Masses | Topic 1 - Motion Topic 2 - Forces Topic 3 - Conservation of Energy Topic 4 - Waves Topic 5 - Light & EM Spectrum Topic 6 - Radioactivity |

Year 11 - Paper 2, 4 and 6:

| BIOLOGY TOPICS | CHEMISTRY TOPICS | PHYSICS TOPICS |
|--|--|--|
| Topic 6 - Plant Structures & their function Topic 7 - Animal co-ordination, control and homeostasis Topic 8 - Exchange and Transport in Animals Topic 9 - Ecosystem and Material Cycles | Topic 10 - Electrolytic Processes Topic 11 - Obtaining & using Metals Topic 12 - Reversible Reactions & Equilibria Topic 13 - Groups of the Periodic Table Topic 14 - Rates of Reaction Topic 15 - Heat Energy Changes Topic 16 - Fuels Topic 17 - Earth & the Atmosphere | Topic 7 - Energy Forces & doing work Topic 8 - Forces & their effects Topic 9 - Electricity & Circuits Topic 10 - Magnetism & the motor effect Topic 11 - Electromagnetic induction Topic 12 - Particle model Topic 13 - Forces & matter |

Examination Body: EDEXCEL