

**What Can You Do To Support Your Child?**

**Kerboodle**

Pupils have been issued with login details and can access the entire syllabus via this website. It enables pupils to visit all of their science lessons and the resources used within them such as ‘Boost your Grade’ and ‘Maths Skills’ worksheets as well as interactive activities. Digital copies of the textbooks for each science are also available to support homework and revision.

**Doddle**

Quizzes and activities will be available to pupils for revision purposes as they feel necessary. Paper 1 quizzes are available now for the mock exams. The quizzes are marked immediately giving instant feedback. Specific homework task quizzes will be separately allocated to pupils by their teachers.

**BBC Bitesize KS4**

BBC Bitesize is a useful website with interactive activities and quizzes. It is easily accessible and helpful when completing homework or revision. On YouTube, ‘Free science lessons’ has very clear short video lessons on most of the GCSE topics and is especially useful for revising the Required Practicals.

**Knowledge Organisers & revision guides.**

Knowledge organisers are information sheets setting out the key learning ideas for a given topic, and these will be distributed to pupils by their teachers. Revision guides and workbooks were available to purchase through the school last year and we will have some available to purchase this evening.

**Revision sessions**

We will be offering after school revision sessions for Biology, Chemistry and Physics in due course. Pupils will be informed as to when they are running.

Science Department: Combined Science - Trilogy

**Exam Board Details:**

**AQA Combined Science: Trilogy.**

**14th May 2019 (PM):** Combined Science Biology Paper 1 (1.15 hrs)

**16th May 2019 (AM):** Combined Science Chemistry Paper 1 (1.15 hrs)

**22nd May 2019 (PM):** Combined Science Physics Paper 1 (1.15 hrs)

**7th June 2019 (PM):** Combined Science Biology Paper 2 (1.15 hrs)

**12th June 2019 (AM):** Combined Science Chemistry Paper 2 (1.15 hrs)

**14th June 2019 (AM):** Combined Science Physics Paper 2 (1.15 hrs)

**What is being studied for GCSE:**

**Biology**

|  |  |  |
| --- | --- | --- |
| Paper 1 |  | Paper 2 |
| B1 Cell structure and transport | B5 Communicable diseases |  | B10 The human nervous system | B12 Reproduction | B15 Adaptations, interdependence, and competition |
| B2 Cell division | B6 Preventing and treating disease |  | B13 Variation and evolution | B16 Organising and ecosystem |
| B3 Organisation and the digestive system | B7 Non-communicable diseases |  | B11 Hormonal coordination |
| B4 Organising animals and plants | B8 Photosynthesis |  | B14 Genetics and evolution | B17 Biodiversity and ecosystems |
| B9 Respiration |

**Chemistry**

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| --- | --- | --- |
| Paper 1 |  | Paper 2 |
| C1 Atomic structure | C5 Chemical changes |  | C8 Rates and equilibrium | C10 Chemical analysis |
| C2 The periodic table | C6 electrolysis |  | C11 The Earth’s atmosphere |
| C3 Structure and bonding | C7 Energy changes |  | C9 Crude oil and fuels | C12 The Earth’s resources |
| C4 Chemical calculations |  |

**Physics**

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| --- | --- | --- |
| Paper 1 |  | Paper 2 |
| P1 Conservation and dissipation of energy | P4 Electric circuits |  | P8 Forces in balance | P11 Wave properties |
| P5 Electricity in the home | P12 Electromagnetic waves |
| P2 Energy transfer by heating | P6 Molecules and matter |  | P9 Motion |
|  | P13 Electromagnetism |
| P3 Energy resources | P7 Radioactivity |  | P10 Force and motion |