

**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 for the mock exams are available now. The quizzes are marked immediately, giving instant feedback. Homework task quizzes will continue to be separately allocated to pupils by their teachers.

**BBC Bitesize KS4 & freesciencelessons.co.uk**

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, 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.

**Exam Board Details:**

**Pupils studying Separate Sciences: AQA GCSE Biology, GCSE Physics & GCSE Chemistry:**

**14th May 2019 (PM):** Biology Paper 1 (1.45 hrs)

**16th May 2019 (AM):** Chemistry Paper 1 (1.45 hrs)

**22nd May 2019 (PM):** Physics Paper 1 (1.45 hrs)

**7th June 2019 (PM):** Biology Paper 2 (1.45 hrs)

**12th June 2019 (AM):** Chemistry Paper 2 (1.45 hrs)

**14th June 2019 (AM):** Physics Paper 2 (1.45 hrs)

Science Department: Separate Sciences

**What is being studied this year:**

**GCSE Biology**

|  |  |  |
| --- | --- | --- |
| Paper 1 |  | Paper 2 |
| B1 Cell structure and transport | B5 Communicable diseases |  | B10 The human nervous system | B13 Reproduction | B16 Adaptations, interdependence, and competition |
| B2 Cell division | B6 Preventing and treating disease |  | B11 Hormonal coordination | B14 Variation and evolution | B17 Organising and ecosystem |
| B3 Organisation and the digestive system | B7 Non-communicable diseases |  |
| B4 Organising animals and plants | B8 Photosynthesis |  | B12 Homeostasis in action | B15 Genetics and evolution | B18 Biodiversity and ecosystems |
| B9 Respiration |

**GCSE Chemistry**

|  |  |  |
| --- | --- | --- |
|  Paper 1 |  |  Paper 2 |
| C1 Atomic structure | C5 Chemical changes |  | C8 Rates and equilibrium | C12 Chemical analysis |
| C2 The periodic table | C6 Electrolysis |  | C9 Crude oil and fuels | C13 The Earth’s atmosphere |
| C3 Structure and bonding | C7 Energy changes |  | C10 Organic reactions | C14 The Earth’s resources |
| C4 Chemical calculations |  |  | C11 Polymers | C15 Using our resources |

**GCSE Physics**

|  |  |  |
| --- | --- | --- |
| Paper 1 |  | Paper 2 |
| P1 Conservation and dissipation of energy | P5 Electricity in the home |  | P8 Forces in balance | P13 Electromagnetic waves |
| P2 Energy transfer by heating | P6 Molecules and matter |  | P9 Motion | P14 Light |
| P10 Force and motion | P15 Electromagnetism |
| P3 Energy resources | P7 Radioactivity |  | P11 Force and pressure | P16 Space |
|  |
| P4 Electric circuits |  |  | P12 Wave properties |  |