**Year 10 Science TERM 2: Lessons Outline for Triple Science Pupils**

* Pupils have 9 lessons of science a week –they will have 3 lessons of Biology, 3 lessons of Chemistry and 3 lessons of Physics
* Pupils have access to the **Kerboodle** on-line textbooks for all their science subject areas.
* If absent, pupils should go to the appropriate lesson on Kerboodle where the there is a guided presentation. Any worksheets can also be accessed there. They should read the appropriate pages, make suitable notes on the key learning and then answer the intext questions in full sentences in their books. They can also so any worksheets as directed
* **Homework** will be predominantly set on EDUCAKE – an online assessment programme. Pupils have their own log in and homework should appear automatically.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  **Week Beginning**  | **Biology Work set**  | Kerboodle AQA Biology textbook page  | **Chemistry Work Set**  | Kerboodle AQA Chemistry textbook page  | **Physics Work set**  | Kerboodle AQA Physics textbook page  |
| 2nd November  | Lesson 1: B3.1 Tissues & OrgansLesson 2:B3.2 Human Digestive SystemLesson 3: B3.3 The Chemistry of Food  | Pages 36-37Pages 38-39Lab PracticalFood Tests on different food stuffs | Lesson 1: C3.4 Giant Ionic Structures Lesson 2: C3.5 Covalent Bonding Lesson3: C3.6 Structure of simple molecules  | Pages 42-43Pages 44-45Pages 46-47 | Lesson 1: P2.5 Heating and insulating Lesson 2 & 3: P2.5 Heating and insulating Required Practical Pt 2. Comparing ThicknessesLook on Educake for summary of the practical  | Pages 32-33Lab PracticalAlso refer to Malmesbury Science you tube for details  |
| 9th November  | Lesson 1: B3.4 Catalysts & Enzymes Lesson 2:B3.5 Factors Affecting Enzymes ActionLesson 3: B3.6 How the Digestive System Works | Pages 42-43Pages 44-45Pages 46-47 | Lesson 1: Review lesson on chemical bonding*(Note: some groups have a Pastoral period for this lesson so this is a provisional extra lesson)*Lesson 2: C3.7 Giant Covalent Structures Lesson 3: C3.8 Fullerenes and graphene |  Pages 48-49Pages 50-51 | Lesson 1: P2 Revision Lesson Lesson 2: **P2 Test** *Request test from teacher via email* Lesson 3: P3.1 Energy Demands | Full unit reviewPages 36-37  |
| 16th November  | Lesson 1: B3.7 Making Digestion EfficientLesson 2: Revision LessonLesson 3: B3 End of Unit Test | Pages 48-49All Pages | Lesson 1: C3.9 Bonding in metals/C3.10 Giant Metallic structuresLesson 2: C3.11 Nanoparticles Lesson 3: C3.12 Applications of nanoparticles  | Pages 52-55Pages 56-57Pages 58-59  | Lesson 1: P3.2 Energy from Wind and Water Lesson 2: P3.3 Power from the Sun and the EarthLesson 3: P3.4 Energy and the Environment  | Pages 38-39Pages 40-41Pages 42-43 |
| 23rd November  | Lesson 1: B4.1 (a) Organising in Animals – The BloodLesson 2: B4.2 The Blood VesselsLesson 3: B4.3 The Heart | Pages 52-53Pages 54-55Pages 56-57 | Lesson 1: Revision of the C3 unit – use summary questions on page 60-61Lesson 2: End of unit test *Request test from teacher via email* Lessons 3: Going through the test with the class and reviewing of chemistry C1- C3 units taught so far  | All learning from pages 36-61 | Lesson1: P3.5 Big energy issuesLesson 2: P3 Revision LessonLesson 3: **P3 Test** *Request test from teacher via email*  | Pages 44-45Full unit review  |
| 30th November  | Lesson 1: B4.4 Helping the HeartLesson 2: B4.5 Breathing & Gas ExchangeLesson 3: B4.6 Tissues & Organs in Plants | Pages 58-59Pages 60-61Pages 62-63 | Lesson 1: C4.1 Relative masses and moles  Lesson 2: C4.2 Equations and calculations Lesson 3: C4.3 From masses to balanced equations   | Pages 62-63Pages 64-65Pages 66-67 | Lesson 1: P4.1 Electrical charges and fieldsLesson 2 & 3: P4.2 Current and charge  | Pages 50-51Pages 52-53 |
| 7th December  | Lesson 1: B4.7 Transport System in PlantsLesson 2: Evaporation & TranspirationLesson 3: B4.9 Factors Affecting transpiration | Pages 64-65Pages 66-67Lab Practical / Malmesbury Science you tube | Lesson 1: C4.4 The Yield of a chemical reaction Lesson 2 C4.5 Atom Economy Revision lesson on C4 unitLesson 3 C4.6 Expressing Concentrations | Pages 68-69Pages 70-71Pages 72-73 | Lesson 1: P4.3 Potential difference and resistance Lesson 2 and3: Required Practical: Resistance of a wireLook on Educake for summary of the practical | Pages 54-55Lab practicalAlso refer to Malmesbury Science you tube for details |
| 14th December  | Lesson 1: Revision SessionLesson 2: B4 Topic TestLesson 3: Term Review | All Pages | Lesson 1 : C4.7 Titrations Lesson 2: C4.8 Titration Calculations Lesson 3 C4.8 Titration calculations continued **Revision of the unit over Christmas**   | Page 74-75Pages 76-77Pages 78-79 | Lesson 1: P4.4 Component characteristics Lesson 2 & 3: Req Practical: Component characteristics Look on Educake for summary of the practical | Pages 56-57Lab practicalSee Malmesbury Science for outline of practical  |