**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.

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| **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 & Organs  Lesson 2:B3.2 Human Digestive System  Lesson 3: B3.3 The Chemistry of Food | Pages 36-37  Pages 38-39  Lab Practical  Food 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 42-43  Pages 44-45  Pages 46-47 | Lesson 1: P2.5 Heating and insulating  Lesson 2 & 3: P2.5 Heating and insulating Required Practical Pt 2. Comparing Thicknesses  Look on Educake for summary of the practical | Pages 32-33  Lab Practical  Also refer to Malmesbury Science you tube for details |
| 9th November | Lesson 1: B3.4 Catalysts & Enzymes  Lesson 2:B3.5 Factors Affecting Enzymes Action  Lesson 3: B3.6 How the Digestive System Works | Pages 42-43  Pages 44-45  Pages 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 48-49  Pages 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 review  Pages 36-37 |
| 16th November | Lesson 1: B3.7 Making Digestion Efficient  Lesson 2: Revision Lesson  Lesson 3: B3 End of Unit Test | Pages 48-49  All Pages | Lesson 1: C3.9 Bonding in metals/C3.10 Giant Metallic structures  Lesson 2: C3.11 Nanoparticles  Lesson 3: C3.12 Applications of nanoparticles | Pages 52-55  Pages 56-57  Pages 58-59 | Lesson 1: P3.2 Energy from Wind and Water  Lesson 2: P3.3 Power from the Sun and the Earth  Lesson 3: P3.4 Energy and the Environment | Pages 38-39  Pages 40-41  Pages 42-43 |
| 23rd November | Lesson 1: B4.1 (a) Organising in Animals – The Blood  Lesson 2: B4.2 The Blood Vessels  Lesson 3: B4.3 The Heart | Pages 52-53  Pages 54-55  Pages 56-57 | Lesson 1: Revision of the C3 unit – use summary questions on page 60-61  Lesson 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 issues  Lesson 2: P3 Revision Lesson  Lesson 3: **P3 Test**  *Request test from teacher via email* | Pages 44-45  Full unit review |
| 30th November | Lesson 1: B4.4 Helping the Heart  Lesson 2: B4.5 Breathing & Gas Exchange  Lesson 3: B4.6 Tissues & Organs in Plants | Pages 58-59  Pages 60-61  Pages 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 62-63  Pages 64-65  Pages 66-67 | Lesson 1: P4.1 Electrical charges and fields  Lesson 2 & 3: P4.2 Current and charge | Pages 50-51  Pages 52-53 |
| 7th December | Lesson 1: B4.7 Transport System in Plants  Lesson 2: Evaporation & Transpiration  Lesson 3: B4.9 Factors Affecting transpiration | Pages 64-65  Pages 66-67  Lab 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 unit  Lesson 3 C4.6 Expressing Concentrations | Pages 68-69  Pages 70-71  Pages 72-73 | Lesson 1: P4.3 Potential difference and resistance  Lesson 2 and3: Required Practical: Resistance of a wire  Look on Educake for summary of the practical | Pages 54-55  Lab practical  Also refer to Malmesbury Science you tube for details |
| 14th December | Lesson 1: Revision Session  Lesson 2: B4 Topic Test  Lesson 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 74-75  Pages 76-77  Pages 78-79 | Lesson 1: P4.4 Component characteristics  Lesson 2 & 3: Req Practical: Component characteristics  Look on Educake for summary of the practical | Pages 56-57  Lab practical  See Malmesbury Science for outline of practical |