**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.

**IMPORTANT NOTICE:**

* **Please contact your own science teacher directly via your school email for information on the actual lessons you are missing. They will then direct you to the pages you need to work through and send you any sheets etc. Some lessons will be taught over a double lesson.**
* **If you are unable to do this then simply check the last piece of work you did and go to the next lesson listed below. All the lesson names are the titles on the pages in the textbook.**

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| **Term 2** | **Biology Work set** | **Chemistry Work Set** | **Physics Work set** |
|  | **Chapter B2 Cell Division (pages 26-35)**  Continuing with B2 …  B2.3 Stem Cells.  B2.4 Stem Cell Dilemmas.  Revision/Mind-map B2  B2 End of unit Assessment  **Chapter B3 Organisation and Digestive System (Pages 36-51)**  B3.1 Tissues and Organs  B3.2 The Human Digestive system  B3.3 The Chemistry of food  B3.4 Catalysts and enzymes  B3.5 Factors affecting enzyme action  B3.6 How the digestive system works  B3.7 Making digestion efficient  Revision of unit  B3 End of unit assessment  **Starting**  **B4 Organising animals and plants**  B4.1 The Blood  B4.2 The blood vessels  B4.3 The heart  B4.4 Helping the heart    Rest of chapter may be moved to next term depending on any impacts to lessons | **Chapter C3 Structure & Bonding (pages 36-61)**  Continuing with C3 …  C3.8 Fullerenes and graphene  C3.9 Bonding in metals  C3.10 Giant Metallic Structures  C3.11 Nanoparticles  C3.12 Applications of Nanoparticles  Revision lesson for C3 unit  C3 End of unit Assessment  **Chapter C4 Chemical Calculations (pg 62-81)**  C4.1 Relative atomic masses and moles  C4.2 Equations and calculations  C4.3 From Masses to balanced equations  C4.4 The yield of chemical reactions  C4.5 Atom Economy  C4.6 Expressing concentrations  C4.7 Titrations  C4.8 Titrations Calculations  C4.9 Volumes of gases  C4 End of unit Assessment  We then may start C5 depending on any impacts to lessons at the end of term etc. | **Chapter P2 Energy and Transfer by Heating (pages 24-35)**  Continuing with P2 …  P2.3 More about Infrared radiation  P2.4 Specific Heat Capacity  Req Practical : Specific Heat Capacity  Revision of Unit  P2 End of unit assessment  **Chapter P3 Energy Resources (pages 36-47)**  P3.1 Energy Demands  P3.2 Energy from wond and water  P3.3 Power from the sun and the Earth  P3.4 Energy and the environment  P3.5 Big energy issues  Revision of the unit  P3 end of unit Assessment  **Chapter P4 Electric Circuits (pages 50-63)**  P4.1 Electrical charges and fields  P4.2 Current and charge  P4.3 Potential difference and resistance  P4.4 Component characteristics  P4.5 Series circuits  Rest of chapter may be moved to next term depending on any impacts to lessons |

**Reminder :**

**KS4 Textbook access AQA GCSE Science textbooks – via Kerboodle**

Go to Kerboodle <https://www.kerboodle.com/users/login?user_return_to=%2Fapp>

* Username is your school login eg **16jsmith**
* Password is either the same as your username or whatever you have reset it to
* Institution code: **ycw7**

Make sure you logout when finished using. If you struggle to get on via Chrome use internet explorer or Microsoft Edge

**Educake**

Go to [www.educake.co.uk](http://www.educake.co.uk)

* Username first name and then first initial then a four digit number eg **johns0123**
* Pupils can reset their password at any time using a link back to their school email by clicking on the ‘trouble logging in – click here for help’ link on the bottom of the login box in blue