**Year 10 Science TERM 4: Lessons Outline for Triple Science Pupils**

**Home learning Instructions:**

* 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:

1. Go to the appropriate lesson on Kerboodle where there is a guided presentation.
2. Any worksheets required can also be accessed there.

3) As a minimum they should read the appropriate pages, make suitable notes on the key learning and then answer the in text questions in full sentences in their books. They should also complete 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.

**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 4** | **Biology Work set** | **Chemistry Work Set** | **Physics Work set** |
|  | **Finishing B6 first**  **B6 Preventing and treating disease (pages 98-111)**  B6.1 Vaccination  B6.2 Antibiotics and painkillers  B6.3 Discovering drugs  B6.4 Developing drugs  B6.5 Making Monoclonal antibodies  B6.6 Uses of monoclonal antibodies  B6 End of unit assessment  **B7 Non Communicable diseases**  **(pages 112-123)**  B7.1 Non Communicable diseases  B7.2 Cancer  B7.3 Smoking and risk of disease  B7.4 Diet and exercise and disease  B7.5 Alcohol and other carcinogens  B7 End of unit assessment  We may then go onto B8 this term. | **Finishing C6 first**  **C6 Electrolysis (Pages 102-111)**  C6.1 Introduction to Electrolysis  C6.2 Changes at the electrodes  C6.3 The extraction of Aluminium  C6.4 Electrolysis of Aqueous solutions  C6 End of unit assessment  **C7 Energy Changes (pages 112-125)**  C7.1 Exothermic and Endo thermic reactions  C7.2 Using energy transfers in reactions  C7.3 Reaction profiles  C7.4 Bon energy calculations  C7.5 Chemical cells and batteries  C7.6 Fuel cells  We will then be reviewing and revising all the C1 and C2 work done in Year 9 as well as reviewing C3--C7 units ready for the formal Year 10 assessments . | **Finishing P5 unit first**  **P5 Electricity in the home (pages 64-75)**  P5.1 Alternating current  P5.2 Cables and Plugs  P5.3 Electrical Power and potential Difference  P5.4 Electrical currents and energy transfers  P5.5 Appliances and efficiency  P5 End of unit assessment  **P6 Molecules and Matter**  P6.1 Density  P6.2 States of Matter  P6.3 Changes of state  P6.4 Internal Energy  P6.5 Specific Latent heat  P6.6 Gas Pressure and temperature  P6.7 Gas pressure and volume  P6 end of unit assessment  We may start P7 unit as well this term. |

**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