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

**Home learning Instructions:**

* Pupils have 6 lessons of science a week – this term they will have 3 lessons of biology and 3 lessons of Chemistry again but will also go on to start the physics which is split between their two teachers.
* 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** | Kerboodle  AQA Biology textbook page | **Chemistry Work Set** | Kerboodle  AQA Chemistry textbook page |
|  | Some groups are finishing the B6 unit as below  They will then go onto:  **B6 Preventing and treating disease**  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**  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  **B8 Photosynthesis**  B8.1 Photosynthesis  B8.2 The rate of photosynthesis  B8.3 How plants use glucose  B8.4 Making the most of photosynthesis  B8 End of unit assessment  **On-line ‘Oak Academy’ lessons on these units can be found here:**  <https://classroom.thenational.academy/units/infection-and-response-4f71>  <https://classroom.thenational.academy/units/bioenergetics-244e> | **Pages**  **98-111**  **Pages**  **112-123**  **Pages**  **124-133** | Some groups are finishing the C7 unit as below  **C7 Energy changes**  C7.1 Exothermic and Endothermic reactions  C7.2 Using energy transfers from reactions  C7.3 Reaction profiles  C7.4 Bond Energy Calculations  C7 End of unit Assessment  They will now go on to start the Physics Units with this teacher:  **P1 Conservation and Dissipation of Energy**  P1.1 Changes in energy stores  P1.2Conservation of energy  P1.3 Energy at work  P1.4 Gravitational Potential energy  P1.5Kinetic energy  P1.6 Energy dissipation  P1.7 Energy and Efficiency  P1.8 Electrical Appliances  P1.9 Energy and Power  P1 end of unit assessment  **P2 Energy transfers by heating**  P2.1 Energy transfer by conduction  P2.4 Specific Heat capacity  P2.5 Heating and insulating buildings  P2 end of unit assessment  **On-line ‘Oak Academy’ lessons on these units can be found here:**  <https://classroom.thenational.academy/units/energy-c750> | **Page**  **84-104**  **PHYSICS TEXBOOK**  **Pages 4-23**  **Pages 24-35**  ***(but not pages 26-28 for combined)*** |

**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