**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 belowThey will then go onto: **B6 Preventing and treating disease**B6.1 VaccinationB6.2 Antibiotics and painkillersB6.3 Discovering drugsB6.4 Developing drugs B6.5 Making Monoclonal antibodiesB6.6 Uses of monoclonal antibodies B6 End of unit assessment**B7 Non Communicable diseases** B7.1 Non Communicable diseasesB7.2 CancerB7.3 Smoking and risk of diseaseB7.4 Diet and exercise and diseaseB7.5 Alcohol and other carcinogens B7 End of unit assessment**B8 Photosynthesis** B8.1 PhotosynthesisB8.2 The rate of photosynthesisB8.3 How plants use glucoseB8.4 Making the most of photosynthesisB8 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 reactionsC7.2 Using energy transfers from reactionsC7.3 Reaction profilesC7.4 Bond Energy CalculationsC7 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 storesP1.2Conservation of energy P1.3 Energy at workP1.4 Gravitational Potential energy P1.5Kinetic energy P1.6 Energy dissipationP1.7 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 conductionP2.4 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