**Year 11 Science TERM 2: 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
* 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 3** | **With teacher 1 (Biology side)** | Kerboodle  AQA textbook page | With teacher 2 (Chemistry side) | Kerboodle  AQA textbook page |
|  | **B14 Variation and evolution**  **(pages 218-233)**  B14.1 Variation  B14.2 Evolution by Natural Selection  B14.3 Selective Breeding  B14.4 Genetic Engineering  B14.5 Cloning  B14.6 Adult Cell Cloning  B14.7 Ethics of genetic technologies  Revision of unit  B14 assessment  **B15 Genetics and Evolution**  **(pages 240-255)**  B15.5 Evidence of Evolution  B15.6 Fossils and Extinction  B15.7 More about Extinction  B15.8 Antibiotic Resistant bacteria  B15.9 Classification  B15.10 New Systems of classification  End of unit assessment  **B16 Adaptation, interdependence and competition**  B16.1 The importance of communities  B16.2 Organisms in their environment  B16.3 Distribution and abundance  B16.4 Competition in animals  B16.5 Competition in plants  B16.6 Adapt and survive  B16.7 Adaptation in animals  B16.8 Adaptation in plants  B16 End of unit assessment | Pages  218-233  Pages  234-255  Pages  256-275 | Some classes will be finishing off C9  **C9 Crude Oil**  C9.1 Hydrocarbons  C9.2 Fractional Distillation of Crude Oil  C9.3 Burning Hydrocarbon Fuels  C9.4 Cracking Hydrocarbons  C9 Revision  End of Unit Assessment  **C12 Chemical Analysis**  C12.1 Pure substances and mixtures  C12.2 Analysing chromatograms  C12.3 Testing for gases  End of Unit Assessment  **C13 The Earth’s Atmosphere**  C13.1 History of our atmosphere  C13.2 Our evolving atmosphere  C13.3 Greenhouse gases  C13.4 Global climate change  C13.5 Atmospheric pollutants  End of Unit Assessment  **C14 The Earth’s Resources**  C14.1 History of our atmosphere  C14.2 Water safe to drink  C14.3 Treating waste water  C14.4 Extracting metals from ores  C14.5 Life Cycle Assessments  C14.6 Reduce reuse and recycle  End if unit assessment  The classed will start Physics units for paper 2 – contact teacher directly to find out which unit. | Pages  128-147  Pages  148-157  Pages  180-184  Pages  206-219 |

**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