**Year 10 Science TERM 1: Lessons Outline for Combined Science Pupils**

* 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 go to the appropriate lesson on Kerboodle where there should be a PowerPoint for the lesson as well as 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 do 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 in your exercise book 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 1**  | **Biology Work set**  | Kerboodle AQA Biology textbook page  | **Chemistry Work Set**  | Kerboodle AQA Chemistry textbook page  |
|  | **Chapter B1 Cell Structure and transport** Lesson 1: B1.1 The world of the microscope.Lesson 2: B1.2 Animal and plant cells. Lesson 3: B1.3 Eukaryotic and prokaryotic cells.Lesson 4: B1.4 Specialisation in animal cells. Lesson 5: B1.5 Specialisation in Plant cells. Lesson 6: B1.6 Diffusion. Lesson 7 & 8 : B1.7 Osmosis. Lesson 9: B1.8 Osmosis in plants.Lesson 10: B1.9 Active Transport. Lesson 11: B1.10 Exchanging materials. Lesson 12: Revision/Mind-map of B1Lesson 13: B1 End of unit Assessment **Chapter B2 Cell Division** Lesson 1: B2.1 Cell division. Lesson 2: B2.2 Growth & DifferentiationLesson 3: B2.3 Stem Cells. Lesson 4: B2.4 Stem Cell Dilemmas. Lesson 5: Revision/Mind-map B2Lesson 6: B2 End of unit Assessment  | Pages 4-25Pages 26-35 | **Chapter C2 Periodic Table** Lesson 1: Introduction:& Review of C1 learning from Yr 9Lesson 2: C2.1 Development of the Periodic table Lesson 3: C2.2 Electronic structure and the periodic tableLesson 4: C2.3 Group 1 – the Alkali Metals Lesson 5: C2.4 Group 7 – the Halogens Lesson 6: C2.5 Explaining trendsLesson 7: Revision lesson for C2 unit Lesson 8: C2 End of unit Assessment **Chapter C3 Structure and Bonding**Lesson 1: C3.1 States of MatterLesson 2: C3.2 Atoms to ions Lesson 3: C3.3 Ionic Bonding Lesson 4: C3.4 Giant Ionic StructuresLesson 5: C3.5 Covalent bonding Lesson 6: C3.6 Structure of simple Molecules Lesson 7: C3.7 Giant Covalent structure Lesson 8: C3.8 Fullerenes and graphene Lesson 9: C3.9 Bonding in metals Lesson 10: C3.10 Giant Metallic Structures Lesson 11: :Revision lesson for C3 unit Lesson 12: C2 End of unit Assessment  | Pages 4-21Pages 36-61  |

**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