**Year 11 Science TERM 1: Lessons Outline for Triple Science Pupils**

* 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 go to the appropriate lesson on Kerboodle where the there is 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 so 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 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**  | **Chemistry Work Set**  | **Physics Work set**  |
|  | **Chapter B11 Hormonal coordination** (**Pages 160-181)**Lesson 1 B11.1 The principles of hormonal control Lesson 2: B11.2 The control of blood glucose levels Lesson 3: B11.3 Treating Diabetes Lesson 4: B11.4 The role of negative feedbackLesson 5: B11.5 Human Reproduction Lesson 6: B11.6 Hormones and the menstrual cycle Lesson 7: B11.7 The artificial control of fertility Lesson 8: B11.8 Infertility Treatments Lesson 9: B11.9 Plant Hormones and responsesLesson 10: B11.10 Using Plant hormones Lesson 11: B11 Revision and reviewLesson 12: B11 End of unit assessment **Chapter B12 Homeostasis in action (pages 182-193)** Lesson 1: B12.1 Controlling body temperature Lesson 2: B12.2 Removing waste productsLesson 3: B12.3 The human KidneyLesson 4: B12.4 Dialysis – an artificial Kidney. Lesson 5: B12.5 Kidney Transplants Lesson 6: Revision/Mind-map B12Lesson 7: B12 End of unit Assessment  | **Chapter C8 Rates of Reaction** **(Pages 128-147)**Lesson 1 : C8.1 Rates of reaction Lesson 2: C8.2 Collision Theory and surface area Lesson 3: C8.3 The effect of temperature Lesson 4 : C8.4 The effect of concentration and pressure Lesson 5: C8.5 The effect of a catalystLesson 6: C8.6 Reversible reactions Lesson 7: C8.7 Energy and reversible reactions Lesson 8: C8.8 Dynamic Equilibrium Lesson 9: C8.9 (Higher tier only) Altering Conditions Lesson 10: C8 Revision lesson Lesson 11: End of Unit Assessment **Chapter C9 Crude Oil** **(Pages 148-157)**Lesson 1: C9.1 Hydrocarbons Lesson 2: C9.2 Fractional Distillation of Crude Oil Lesson 3: C9.3 Burning Hydrocarbon Fuels Lesson 4: C9.4 Cracking Hydrocarbons Lesson 5: C9 Revision Lesson 6: End of Unit Assessment  | **Chapter P9 Motion (Pages 134-143)**Lesson 1: P9.1 Speed and Distance- time graphs Lesson 2: P9.2 Velocity and Acceleration Lesson 3: P9.3 More about velocity -time graphs Lesson 4: P9.4 Analysing motion graphs Lesson 5: Revision of this unit Lesson 6: P9 End of unit Assessment **Chapter P10 Force and Motion** **(Pages 144-161)**Lesson 1: P10.1 Force and Acceleration Lesson 2: P10.2 Weight and terminal velocity Lesson 3: P10.3 Force and braking Lesson 4: P10.4 Momentum Lesson 5: P10.5 Using conservation of momentum Lesson 6: P10.6 Impact forces Lesson 7: P10.7 Safety First Lesson 8: P10.8 Forces and Elasticity Lesson 9: Revision of this unit Lesson 10: P10 End of unit Assessment *We may also start P11 Forces and Pressure* *Check with your teacher.*  |

**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