**Year 11 Science TERM 3: Lessons Outline for Triple Science Pupils**

**Home learning Instructions:**

* 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:
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**  | **Biology Work set**  | **Chemistry Work Set**  | **Physics Work set**  |
|  | **Please check with teacher as two separate groups are at different places** **B13 Reproduction (pages 196-217)**B13.1 Types of reproductionB13.2 Cell division in sexual reproductionB13.3 The best of both worldsB13.4 DNA and the genomeB13.5 DNA Structure and Protein SynthesisB13.6 Gene Expression and mutationB13.7 Inheritance in actionB13.8 More about genesB13.9 inherited disordersB13.10 Screening for genetic disordersRevision of unit B13 assessment **B14 Variation and evolution** **(pages 218-233)**B14.1 VariationB14.2 Evolution by Natural SelectionB14.3 Selective BreedingB14.4 Genetic EngineeringB14.5 Cloning B14.6 Adult Cell CloningB14.7 Ethics of genetic technologiesRevision of unit B14 assessment  | **Please check with teacher as two separate groups are at different places** **C10 Organic reactions (pages 158-167)** C10.1 Reactions of the alkenesC10.2 Structures of alcohols, carboxylic acids & esters C10.3 Reactions and uses of alcoholsC10.4 Carboxylic acids and esters Revision of unit C10 assessment **C11 Polymers (Pages 168-177)**C11.1 Addition Polymerisation C11.2 Condensation polymerC11.3 Natural Polymers C11.4 DNA Revision of unit C11 Assessment **C12 Chemical Analysis (Pages 180-193)**C12.1 Pure substances and mixturesC12.2 Analysing chromatogramsC12.3 Testing for gasesC12.4 Tests for positive ionsC12.5 Tests for negative ionsC12.6 Instrumental Analysis Revision of unit C12 assessment  | **Please check with teacher as two separate groups are at different places** **P12 Wave Properties (pages 174-189)**P12.1 The nature of waves P12.2 The properties of waves P12.3 Reflection and refraction P12.4 More about waves P12.5 Sound waves P12.6 The uses of ultra sound P12.7 Seismic waves Revision of unit P12 assessment **P13 Electromagnetic Waves** **(pages 190-201)**P13.1 The Electromagnetic SpectrumP13.2 Light, infrared, microwaves and radiowavesP13.3 CommunicationsP13.4 UV, xrays and gamma rays P13.5 x-rays in medicine Revision of unit P13 assessment  |

**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