**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**  **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  B17 Organising and Ecosystem  B17.1 Feeding Relationships  B17.2 materials cycling  B17.3 the carbon Cycle  B17.4 Rates of decomposition  Some of these units will carry over into Term 4 the classes will them do B18  **B18 Biodiversity and ecosystems**  B18.1 The human population explosion  B18.2 land and water pollution  B18.3 Air pollution  B18.4 Deforestation and peat destruction  B18.5 Global warming  B18.6 the impact of change  B18.7 maintaining biodiversity  B18.8 Trophic levels and biomass  B18.9 Biomass transfers  B18.10 Factors affecting food security  B18.11 making food production efficient  B18.12 Sustainable food production | **Please check with teacher**  **C13 The Earth’s Atmosphere (pages 194-205)**  C13.1 The history of our atmosphere  C13.2 Our evolving atmosphere  C13.3 Greenhous gases  C13.4 Global climate change  C13.5 Atmospheric pollutants  **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  Some of these units will carry over and C15 will be finished in term 4  **C15 Using our resources**  C15.1 Rusting  C15.2 Useful alloys  C15.3 The properties of polymers  C15.4 Glass Ceramics and composites  C15.5 Making Ammonia – the Haber Process  C15.6 The economics of the Haber Process  C15.7 Making Fertilisers in the lab  C15.8 Making fertiliser in industry | **Please check with teacher as two separate groups are at different places**    **P13 Electromagnetic Waves**  **(pages 190-201)**  P13.1 The Electromagnetic Spectrum  P13.2 Light, infrared, microwaves and radiowaves  P13.3 Communications  P13.4 UV, xrays and gamma rays  P13.5 x-rays in medicine  Revision of unit  P13 assessment  **P15 Electromagnetism**  P15.1 Magnetic Fields  P15.2 magnetic Fields of electric currents  P15.3 Electromagnetic devices  P15.4 The motor effect  P15.5 The generator effect  P15.6 The alternating current generator  P15.7 Transformers  P15.8 Transformers in action  End of unit assessment  Some of these units will carry over into Term 4. P16 will be done in term  **P16 Space**  P16.1 Formation of the Solar System  P16.2 The life history of a star  P16.3 Planets, satellites and orbits  P16.4 The expanding universe  P16.5 The beginning and the future of the universe  End of unit 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