**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.**

|  |  |  |  |
| --- | --- | --- | --- |
| **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 communitiesB16.2 Organisms in their environment B16.3 Distribution and abundanceB16.4 Competition in animalsB16.5 Competition in plants B16.6 Adapt and surviveB16.7 Adaptation in animalsB16.8 Adaptation in plants B16 End of unit assessment B17 Organising and Ecosystem B17.1 Feeding RelationshipsB17.2 materials cyclingB17.3 the carbon Cycle B17.4 Rates of decompositionSome of these units will carry over into Term 4 the classes will them do B18 **B18 Biodiversity and ecosystems** B18.1 The human population explosionB18.2 land and water pollutionB18.3 Air pollutionB18.4 Deforestation and peat destructionB18.5 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 efficientB18.12 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 atmosphereC13.3 Greenhous gasesC13.4 Global climate changeC13.5 Atmospheric pollutants **C14 The Earth’s Resources** C14.1 History of our atmosphereC14.2 Water safe to drinkC14.3 Treating waste water C14.4 Extracting metals from oresC14.5 Life Cycle Assessments C14.6 Reduce reuse and recycle End if unit assessmentSome of these units will carry over and C15 will be finished in term 4 **C15 Using our resources**C15.1 RustingC15.2 Useful alloys C15.3 The properties of polymersC15.4 Glass Ceramics and compositesC15.5 Making Ammonia – the Haber ProcessC15.6 The economics of the Haber Process C15.7 Making Fertilisers in the labC15.8 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 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 **P15 Electromagnetism** P15.1 Magnetic Fields P15.2 magnetic Fields of electric currentsP15.3 Electromagnetic devicesP15.4 The motor effect P15.5 The generator effect P15.6 The alternating current generatorP15.7 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 starP16.3 Planets, satellites and orbitsP16.4 The expanding universeP16.5 The beginning and the future of the universeEnd 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