**Year 11 Science TERM 4: 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 4** | **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 reproduction  B13.2 Cell division in sexual reproduction  B13.3 The best of both worlds  B13.4 DNA and the genome  B13.5 DNA Structure and Protein Synthesis  B13.6 Gene Expression and mutation  B13.7 Inheritance in action  B13.8 More about genes  B13.9 inherited disorders  B13.10 Screening for genetic disorders  Revision of unit  B13 assessment  **B14 Variation and evolution**  **(pages 218-233)**  B14.1 Variation  B14.2 Evolution by Natural Selection  B14.3 Selective Breeding  B14.4 Genetic Engineering  B14.5 Cloning  B14.6 Adult Cell Cloning  B14.7 Ethics of genetic technologies  Revision of unit  B14 assessment  **On-line ‘Oak Academy’ lessons on both B13 and B14 can be found here:**  <https://classroom.thenational.academy/units/inheritance-variation-and-evolution-0224> | **Please check with teacher as two separate groups are at different places**  C13 – finishing and reviewing the chapter  C13 end of unit assessment  **C14 The Earth’s Resources**  Full Review of lockdown learning from Year 10 as pupils were learning this unit online at home  (pages 206-219)  **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  **On-line ‘Oak Academy’ lessons on both C14 and C15 can be found here:**  <https://classroom.thenational.academy/units/using-resources-febe> | **Please check with teacher as two separate groups are at different places**  **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  **On-line ‘Oak Academy’ lessons on this unit can be found here:**  <https://classroom.thenational.academy/units/magnetism-bf8d>  **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  **On-line ‘Oak Academy’ lessons on this unit can be found here:**  <https://classroom.thenational.academy/units/space-physics-only-a558> |

**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