Subject: Science – Geological Changes

2 Week Independent Learning plan **Week 7 and 8**

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Teacher: Mrs Jackson

Year: 8 Topic/theme: Geological Changes

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| Lesson | What you need to take from this lesson | Resource to use or hyperlink | Suggested task |
| 1 | Explain that the Earth has different layers and which gases the atmosphere is made up of. | 1<https://www.bbc.co.uk/bitesize/guides/zysbgk7/revision/1>  2<https://www.natgeokids.com/uk/discover/geography/physical-geography/structure-of-the-earth/> | Read through BBC Bitsize (1) and make a poster/leaflet showing the structure of the Earth with key parts labelled **(core, mantle and crust).** If you want to go further include detailed descriptions of each of the layers, use weblink 2.  Then using the BBC Bitesize link make a list of the gases in the atmosphere and the %. |
| 2 | Be able to identify the 3 main rock types and their properties. | <https://www.bbc.co.uk/bitesize/guides/zgb9kqt/revision/2>  <https://www.bbc.co.uk/bitesize/guides/zgb9kqt/revision/3>  <https://www.bbc.co.uk/bitesize/guides/zgb9kqt/revision/4> | Make a table with 3 columns. The headings are;  Sedimentary  Igneous  Metamorphic  Under each heading find out how each rock type was formed and write a brief description and add key properties of each rock type. If possible give examples of each rock type. |
| 3 | Explain how the 3 rock types are linked in the rock cycle. | <https://www.bbc.co.uk/bitesize/guides/zwd2mp3/revision/1> | Use a piece of A4 paper and draw and label the rock cycle. Think how the 3 rock types are all linked together…BBC Bitseize pages 1-4 is info the rock cycle is on the last page, or alternatively find your own version online if you want to… |
| 4 | Identify the key issues with global warming and what global warming is. | <https://www.youtube.com/watch?v=Cq1oFhTINXE> | Watch the video, which is an hour but is excellent.  Make a list of issues that Global warming could be responsible for and think about ways we can change our lifestyle to help lessen the impact we are having on the world. |
| 5 | Identify key parts of the Carbon cycle. | <https://www.bbc.co.uk/bitesize/guides/z27thyc/revision/1>  <https://scied.ucar.edu/carbon-cycle> | Go through the 2 pages on BBC Bitesize and the slide show part of it too.  Draw a simple carbon cycle, showing how respiration, photosynthesis, decomposition and burning fuels are linked. |
| **How will we assess you learning?**  Years 7 and 8: Pupils will be set an interactive quiz using this information on Show My Homework or asked to submit a piece of work such as a photograph of art work.  Year 9 to 11: Pupils may be set an interactive quiz or a written task via Show My Homework. | | | |

**Need help?**

HomeAccess+ <https://facility.waseley.networcs.net/HAP/login.aspx?ReturnUrl=%2fhap> (use your normal school username and password).

Pupil and parent help page: <https://www.waseleyhills.worcs.sch.uk/coronavirus-independent-learning/help-for-parents-and-pupils>