Subject: Geography

2 Week Independent Learning plan

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Teacher: LH/BH

Year: 8 Topic/theme: Glaciation

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| Lesson | What you need to take from this lesson | Resource to use or hyperlink | Suggested task |
| 1 | To know how ice has shaped the British Isles | <https://www.youtube.com/watch?v=o6Ca158tiQQ> | Watch this episode of British Isles: A natural history. It is just under 50 mins long.  Answer these questions:   |  |  |  | | --- | --- | --- | | 1. What animal remains were found in the highlands of Scotland? |  |  | | 1. What used to connect North and South America 3.5 million years ago? |  |  | | 1. Ocean currents in the North Atlantic changed and warm tropical waters moved towards us. What kind of weather did it bring? |  |  | | 1. Ice sheets expanded because of the snow – what did these mirrors of ice reflect back into space? |  |  | | 1. What began to freeze near the coast? |  |  | | 1. What happened as the summers disappeared? |  |  | | 1. How far below ice was the area we eventually built up as Birmingham? |  |  | | 1. What did the weight of the ice do to the earth’s surface? |  |  | | 1. What happened to the land once the ice melted? |  |  | | 1. What’s unusual about the big boulders found in the Yorkshire Dales? |  |  | | 1. How far did some of these boulders travel? |  |  | | 1. What is a glacier? |  |  | | 1. How do geologists listen to the glacier? |  |  | | 1. The pressure at the bottom of the glacier is so great it melts the ice. How does this help the glacier to move? |  |  | | 1. When the ice melted, rocks got dumped miles from home – what are they called? |  |  | | 1. What does a glacial valley look like? |  |  | | 1. What did the glacier leave behind when it melted? (at where Finchley Road tube station is now found) |  |  | | 1. What did they find at the bottom of the North Sea? |  |  | | 1. Why was sea level much lower during the ice age? |  |  | | 1. Britain and mainland Europe had tundra like conditions thousands of years ago. Where in the world now has tundra conditions? |  |  | | 1. What animals could cope in such cold conditions? |  |  | | 1. What remains of animals did they find in London? |  |  | | 1. Why were these animals found in the UK? What was the ice age punctuated by? Warmer periods or colder periods? |  |  | | 1. How many ice ages do we think we’ve had over the last 2 million years. |  |  | | 1. While the earth orbits (circles) the sun, it tilts. When is it colder on earth – when the earth tilts towards the sun or away from the sun? |  |  | | 1. Has the ice age left us completely? |  |  | | 1. What happened to world sea levels as the ice melted? |  |  | | 1. How did the change in sea levels affect us in the British Isles? |  |  | |
| 2 | How glaciers created landforms by eroding the landscape. | Use p52-53 Geog.Glaciation found here:  Home Access+ -  Coursework drive (S)– Geography – Year 8 – 3. Glaciation | 1. Read p52-53 Geog.Glaciation – look at the diagrams as well as reading the information 2. Answer Q2 and Q3 – your answers will help you with the quiz on SMHW. |
| 3 | How glaciers created landforms by depositing (dropping) material on the landscape. | Use p54-55 Geog.Glaciation found here:  Home Access+ -  Coursework drive (S)– Geography – Year 8 – 3. Glaciation | 1. Read p54-55 Geog.Glaciation – look at the diagrams as well as reading the information 2. Make a set of flashcards for each of these key terms (it will help you in the quiz on SMHW). Put the key term on one side and a picture and explanation on the other side:   Till  Terminal moraine  Ribbon lake  Drumlins  Eskers  Kames |