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:

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| 1. What animal remains were found in the highlands of Scotland?
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| 1. What used to connect North and South America 3.5 million years ago?
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| 1. Ocean currents in the North Atlantic changed and warm tropical waters moved towards us. What kind of weather did it bring?
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| 1. Ice sheets expanded because of the snow – what did these mirrors of ice reflect back into space?
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| 1. What began to freeze near the coast?
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| 1. What happened as the summers disappeared?
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| 1. How far below ice was the area we eventually built up as Birmingham?
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| 1. What did the weight of the ice do to the earth’s surface?
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| 1. What happened to the land once the ice melted?
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| 1. What’s unusual about the big boulders found in the Yorkshire Dales?
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| 1. How far did some of these boulders travel?
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| 1. What is a glacier?
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| 1. How do geologists listen to the glacier?
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| 1. The pressure at the bottom of the glacier is so great it melts the ice. How does this help the glacier to move?
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| 1. When the ice melted, rocks got dumped miles from home – what are they called?
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| 1. What does a glacial valley look like?
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| 1. What did the glacier leave behind when it melted? (at where Finchley Road tube station is now found)
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| 1. What did they find at the bottom of the North Sea?
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| 1. Why was sea level much lower during the ice age?
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| 1. Britain and mainland Europe had tundra like conditions thousands of years ago. Where in the world now has tundra conditions?
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| 1. What animals could cope in such cold conditions?
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| 1. What remains of animals did they find in London?
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| 1. Why were these animals found in the UK? What was the ice age punctuated by? Warmer periods or colder periods?
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| 1. How many ice ages do we think we’ve had over the last 2 million years.
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| 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?
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| 1. Has the ice age left us completely?
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| 1. What happened to world sea levels as the ice melted?
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| 1. How did the change in sea levels affect us in the British Isles?
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| 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.
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| 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:

TillTerminal moraineRibbon lakeDrumlinsEskersKames  |