

Year 8: Icy World



Lessons:

- Lesson 1: What is an ice age?
- Lesson 2: What are glaciers and how do they form?
- Lesson 3: What are the processes on a glacier?
- Lesson 4: Erosional and depositional landforms.
- Lesson 5: Living with a glacier.
- Lesson 6: FeedForward.
- Lesson 7: Ice Mystery
- Lesson 8: Avalanche
- Lesson 9: Antarctica
- Lesson 10: Our frozen planet (video lesson)
- Lesson 11 and 12: Revision and Assessment
- Lesson 13: Feed Forward.

Links to KS3

- Yr 7—Weather
- Yr 7—Brilliant Britain
- Yr 8—Climate Change
- Yr 9—India
- All KS3—living in extreme environments

Broad overview:

We study a broad range of elements of our frozen world, starting with the key physical processes that form glaciers and the ways they can change the landscape. We then turn our attention towards the human geography of how people and wildlife manage to live and enjoy with this extreme environment. We finish by considering the implications of the damage we are causing to these mighty rivers of ice.

Assessment:

- Mid Unit assessment: Stonehenge
- End of Unit Test

Links to GCSE and A Level

- Physical processes of erosion and deposition
- Climate change
- Extreme environments
- Wildlife adaptations
- Natural Hazards
- Antarctica

Keywords

Ice Age, Glacier, Ice caps, adaptations, Pleistocene, snow, ice, nevee, zone of ablation, erosion, zone of accumulation, transportation, weathering, deposition, freeze-thaw weathering, plucking, abrasion, surging, corries, aretes, pyramidal peaks, U shaped valley, erratic, Arctic, Antarctic, ecosystem, PVC, Climate Change, Glacial melt, sustainable, avalanche, hazard, slab/ loose snow avalanche, Himalayas, Mount Everest, Wildlife, Cold Desert, Southern Ocean

Homework

- Satchel quizzes set fortnightly
- Revision for End of Unit Test

Extra Curricula:

Watch Kiun B videos on You tube for a taste of what it is like to live in Yakutsk— the coldest city on earth
<https://www.youtube.com/@KiunB>

Jobs

- Geomorphologist
- Tour guide
- British Antarctic Survey scientists and people to run the centres (including plumbers and chefs!)