

		From strength to strength		
Subject	Year	Term		
Geography AQA	10 (to start in final half term Year 9)	Autumn term 1 (start in summer term 2- Year 9)		
	Торіс			
UK physical landscapes- Glaciation				
Content + skills (Intent)				
Prior Learning (Topic)				
KS1/KS2-				
Use basic geographical vocabulary to refer to key physical features, including hill, mountain, sea, ocean, river, valley Use aerial photographs and plan perspectives to recognise landmarks and basic human and physical features; devise a simple map; and use and construct basic symbols in a key Name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time Describe and understand key aspects of physical geography including climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle Use the eight points of a compass, four and six-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world				
KS3 at Balcarras				
Year 7- Adventure landscapes Year 8- Perishing places Year 9- Clean water for everyone?				
In this section, students are required to study UK physical landscapes and two from Coastal landscapes in the UK, <u>River landscapes in</u> <u>the UK</u> and <u>Glacial landscapes in the UK</u> . The aims of this unit are to develop an understanding of the geomorphological, biological and meteorological processes and features in different environments, and the need for management strategies governed by sustainability and consideration of the direct and indirect effects of human interaction with the Earth and the atmosphere.				
Future Learning (Topic) KS4 at Balcarras- River landscapes (Year 10), Natural hazards- (climate change) (Year 10), Ecosystems (cold environments) (Year 11), geographical skills across all GCSE topics, KS5 at Balcarras- Coastal systems (Year 12), Water and carbon cycle (Year 13), Population and the environment (Year 13) geographical skills across all A-level topics				
How will knowledge and skills be	taught?	How will your understanding be		
(Implementation)		assessed & recorded (Impact)		
A series of lessons split into key themes. Pupils will has shaped the physical landscape of the UK over the and depositional and their formation will be explore explored to see how they provide opportunities for management strategies can be used to reduce land Teacher led lesson content Group and independent research task GCSE exam style questioning Group discussion/debates and questioning	explore ice as a powerful force and how it me. Distinct glacial landforms both erosional ed. Lastly glaciated upland areas will be different economic activities, and use conflicts.	Provide SHORT and FREQUENT retrieval practice tests in a low stake environment Pupils will receive a past paper question booklet which covers all previous exam questions available to us. These will be regularly set and marked		

Reading key articles and textbooks

Missensetting	Continuel low stales from stive testing in
wisconceptions	Continual low-stakes formative testing in
Glaciers are white	lessons through verbal questioning
Glaciers are all sorts of colours. From afar, they often look white. Close to, they can be white,	6 1 6
blue, grey, red, green, or even black!	This topic will be covered within the Year 10 mock
Retreating glaciers flow backwards	exam – summative feedback
A glacier is a pile of ice, and will always flow downwards under gravity. If more ice melts at the	
snout than is replenished at the top by snowfall, then the glacier will recede, or shrink – it will	
still flow downwards, but the snout position moves back.	GCSE record sheet, ALPS analysis, data shared in
Glaciers move slowly	interim reports and formal reports and parents
Some glaciers on steep slopes in temperate regions can flow very fast indeed. Fox Glacier, in	evening.
New Zealand, is one of the fastest-flowing valley glaciers in the world. Fox Glacier can flow at	-
up to 5 metres per day.	
Melting icebergs will cause sea level to rise	
Icebergs are already floating in the ocean, so melting will not raise sea level. Melting of land-	
based ice (such as glaciers) will raise sea level.	
Other misconceptions	
https://www.antarcticglaciers.org/antarctica-2/introductory-antarctic-resources/common-	
misconceptions-explained/	
How can parents help at home?	

Support with homework and revision techniques for graded assessments. Discuss current affair issues by watching/reading the news. Download the BBC or Guardian news app and set to environmental notifications to receive the most update articles. Watching relevant documentaries e.g. David Attenborough, wildlife/environments.

Places to explore

Previous glaciated environments in the UK (Snowdonia, The Lake District) Vertical chill, London- indoor ice climbing-Are you an adventurer? What would it be like to climb ice?

Watch this

The power of the planet- 3 Ice Frozen Planet – iPlayer Meltdown in the shadow of Nepal's lost glaciers- Netflix Touching the void

Listen to this

Seneca podcasts https://senecalearning.com/en-GB/blog/geography-gcse-podcasts-by-seneca/

Apple podcasts glaciers https://podcasts.apple.com/gb/podcast/glaciers/id615562171

The climate question- What will happen if all the glaciers melt? <u>https://www.bbc.co.uk/sounds/play/w3ct2drw</u>

Podcast with the GA on Glaciers and Glaciation

https://www.antarcticglaciers.org/2020/09/podcast-with-the-ga-on-glaciers-and-glaciation/

Melting away: understanding the impact of disappearing glaciers https://www.theguardian.com/science/audio/2021/may/11/melting-away-impact-of-disappearing-glaciers-podcast

Check this out

Glacier National Park Webcams https://www.nps.gov/glac/learn/photosmultimedia/webcams.htm

All about glaciers

https://education.nationalgeographic.org/resource/glacier-moving-rivers-ice

The glacier trust <u>http://theglaciertrust.org/</u>

Conversation Starters

What would happen if the UK entered an ice age? Glaciers don't matter as they only cover 10 percent of land area on Earth

Glaciers flow

Mount Kilimanjaro can't be glaciated as it sits on the equator

Helpful further reading/discussion

Reading	Vocabulary Lists	Careers Links
	Speaking like a geographer (Splag)	
<u>Non-fiction</u>		https://www.bas.ac.uk/jobs/careers-at- bas/science/
Ian Stowart & John Lynch [2007]: Earth The Dowar of the	Freeze-thaw weathering	
Planet - BBC Books	Deposition	https://www.antarcticglaciers.org/students-
	Bulldozing	3/careers/careers/
Touching the void by Joe Simpson	Conflicts	https://www.careermatch.com/job-
The secret lives of glaciers by Dr M Jackson	Land use conflicts	prep/career-insights/profiles/glaciologist/
	Plucking	
In the shadow of melting glaciers by Mark Carey		
Academic reading	https://filestore.aqa.org.uk/resources/geography/AQA- 8035-SSV.PDF	
https://education.nationalgeographic.org/resource/glacier-		
moving-rivers-ice		
Have a look at the Hodder magazines online through the		
VLE via dynamic learning		
Fiction		
The Northern lights series by Phillip Pullman		
The White darkness by Geraldine McCaughrean		
After the snow by S D Crocket		
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