

From giant ice sheets at the poles or high up in the mountains, discover how glaciers grow and flow. The mighty movement of ice has created some of the most striking Scottish land features – watch ice as it expanded and contracted over our country many thousands of years ago and locate the clues it has left behind.

This workshop introduces your pupils to the physical processes that have shaped Scotland's landscape. They will discover how glaciers grow and flow, enhanced with real images and video footage. Three self-lead activities follow where pupils will observe an animation of Britain undergoing the ice age, uncover some chilling stories and find out what we can learn from ancient ice!

The physical features left within the landscape created by the ice are then explored. Putting their knowledge into practice and reinforcing what they have learnt, this workshop is summarised with an interactive Smartboard activity where your pupils will effectively contribute by looking at aerial photographs of Scotland and circling the glacial features within the landscape.

This workshop enables pupils to:

Develop understanding of the history of Scotland and an appreciation of my local and national heritage within the world.

Develop curiosity and understanding of the environment and my place in the living, material and physical world.

Recognise the impact the sciences make on their life, the environment and on society.

Develop as a scientifically-literate citizen with a lifelong interest in the sciences.

Establish a foundation for more advanced learning and future careers in the sciences and the technologies.

Curriculum for Excellence Experiences and Outcomes:

Social studies – people, place and environment

I can describe the major characteristic features of Scotland's landscape and explain how these were formed. SOC 2-07a

Having investigated processes which form and shape the landscape, I can explain their impact on selected landscapes in Scotland, Europe and beyond. SOC 3-07a

Literacy and English – Listening and talking

When I engage with others, I can make a relevant contribution, encourage others to contribute and acknowledge that they have the right to hold a different opinion. I can respond in ways appropriate to my role and use contributions to reflect on, clarify or adapt thinking. LIT 3-02a

I am developing confidence when engaging with others within and beyond my place of learning. I can communicate in a clear, expressive way and I am learning to select and organise resources independently. LIT 3-10a