



## Breaking the Cycle Education – The Andes, The Altiplano & The Atacama Expedition

### Lesson Plan

### CLIMATE ACTION

Time Allocation

60 mins



Age Range

10-14

*“Exploring is the driving force behind humankind.”* Kate Leeming

#### Learning Outcomes:

- To build a sense of hope that solutions are achievable.
- To understand how individuals can be part of the solution
- To understand that human activity is both the cause and the solution.

<https://www.globalgoals.org/>

#### LEARN

This lesson focuses on SDG #13 Climate Action

What is this goal all about?

Goal-Take urgent action to combat climate change and its impacts.

#### #13 Climate Action



Kate’s epic expedition takes her up into The Andes mountain range. Let’s get to know a little bit about this magnificent mountain range.

Read this article with the class. [Andes Ten Interesting Facts.](#)



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### What is a glacier?

A glacier is a moving body of ice that covers a large area of land. Around ten percent of the world's land area is covered by glaciers. Most glaciers are located near the North or South Poles, but glaciers also exist high in mountain ranges such as the Himalayas and the Andes.

### How do glaciers form?

Glaciers form from snow that doesn't melt even during the summer. When enough snow builds up the weight of the snow will compress and turn into solid ice. It can take hundreds of years for a large glacier to form.

### THINK

#### Activity:

Q: Ask students to think about this question.

What do you think The Andes and Climate Change have to do with one another?

What is Climate Change?

Think Pair Share.

#### Activity:

Give students access to explore the Nasa Climate Kids website

[All about Glaciers](#)

5 W's

Students create a double page displaying the 5 W's of their reading about Glaciers.

[What? When? Where? Why? When? Who?](#)

### FEEL:

ACTIVITY: Visible learning-

Present the dilemma to your students- How do you feel about the effects of melting glaciers and on humans and wildlife?

Place this dilemma on board or poster- students have sticky notes to write on and place their feelings. Identify the factors that pull at each side of the dilemma.

Generate what if questions to explore further.



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### ACT:

- Design a renewable energy campaign for your school. This could be in the form of posters, presentations to leadership team, lunchtime action club, assembly presentation.
- Recycle paper, glass, plastic, metal and old electronics.
- Choose reusable products. Use an eco-bag for shopping and a reusable water bottle or a cup to reduce your plastic waste.
- Bike, walk or take public transport. Save the car trips for when you've got a big group.

### Conclusion Activity:

Add yourself to the map on the Home Page <http://www.breakingthecycle.education>