

Section 1: Ocean Acidification

LESSON 4: CONFERENCE IN A CLASSROOM

All lesson resources can be found at: encounteredu.com/teachers/lessons/frozen-oceans-geography-14-16-lesson-4

Summary

Scientists often share their results at conferences. They do this in a number of ways, one of which is by presenting a poster. At conferences, researchers will stand next to their posters displaying their research and answer questions relating to their work. In this lesson, pupils will turn the classroom into a mini-conference venue and display their research into ocean acidification.

Preparation

- Ensure that pupils have printouts of the graphs they created in previous lessons
- Supply magazines, maps or printouts of photos from the Discovery Zone at encounteredu.com/discovery/collections/frozen-oceans-geography-14-16 for students to add to their posters
- Organise poster making materials such as sugar paper (or construction paper), scissors, glue, coloured markers, etc.
- Print out enough copies of:
Student Sheet 4a Research poster template (if using)
- Show or print out copies of an example of a research poster:
Subject Update – Research posters

Notes

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Aims / Objectives	Activities	Resources	Outcomes
<p>STARTER:</p> <p>WHY AM I MAKING ANOTHER POSTER?</p>	<p>Explain that research teams often use posters to provide an overview of their research at conferences</p> <p>Highlight the different types of information that are used in the poster</p>	<p>Subject Update – Research posters</p>	<p>Know how field research teams communicate results</p>
<p>CREATE POSTERS</p>	<p>In groups of four, pupils should create a poster that explains:</p> <ol style="list-style-type: none"> 1. An overview of the issue of ocean acidification 2. The chemical process that causes ocean acidification 3. The evidence that the oceans are acidifying 4. The impact that this might have on marine life 5. The research that is being carried out in the Arctic 6. Possible ideas for future research 	<p>Materials from past three lessons printed out</p> <p>Sugar paper (or construction paper) and assorted poster making materials</p>	<p>Be able to communicate the issue and science of ocean acidification</p>
<p>CLASSROOM CONFERENCE</p>	<p>Stick the posters around the classroom</p> <p>One pair of pupils stays with their poster to explain it to others</p> <p>The other pairs tour the other posters asking questions</p>	<p>Posters created during lesson</p>	<p>Discuss research topics with peers</p>