

Whose land is it anyway?

Resources needed

images as PowerPoint presentation or printed images
computer with Microsoft PowerPoint, DVD player, LCD projector
worksheets : Gretchen Indian and Inupiat Eskimo.

Homework

Research one of the new technologies that may reduce the world's demand for oil and gas such as fuel cells, nuclear fusion, wind power, wave power. Find out what new and renewable energies are researched at Rutherford Appleton Laboratory (www.era.rl.ac.uk) and Daresbury Laboratory.

Extension materials

Make a list of five other topics where science and technology have an impact on a local community. Choose one and list the arguments for and against.

Key words

oil fields oil drilling
Inupiat Eskimo
Gretchen Indian
wildlife refuge
debate
evidence
feasibility
values

Useful websites

www.anwr.org
The British Wind Energy Association
www.bwea.com

The Royal Society of Chemistry have an excellent game about oil production, fractional distillation and other issues surrounding oil at www.rsc-oilstrike.org/

Starter

Brainstorm with the class suggesting links between the images. Project the image of the Inupiat Eskimo – what would the class like to know about this person? Write the suggestions on the board.

Main

Discussion. If you prefer, you could organise a more formal debate with a motion for the drilling to go ahead with proposing and opposing teams and strict time limits set for the speeches. A vote would then be taken at the end of the debate to see if the motion had been carried or not. Or it could be a more informal debate along the lines of 'Question Time'.

Plenary

A chance to pull together some of the ideas about how we make decisions about science and technology and the need to consider the impacts on the quality of life or the environment and how benefits need to be weighed against costs.

The 'Energy - the future', Powerpoint presentation looks at research into new energy sources and ways of reducing our use of fossil fuels.

The clip from 'Baked Alaska' is used with permission from **Spanner Films** www.spannerfilms.net

The rest of the film provides useful evidence of climate change experienced by the communities in the Arctic.

Complete versions of the film are available on DVD from **tvchoice** - www.tvchoice.uk.com (look in the geography section under weather and climate change). Special discounts are available for secondary schools.