

Where's My Igloo Gone? by The Bone Ensemble

Education Resource Pack



We really hope you enjoyed the show! Thank-you for helping Oolik on her extraordinary journey! We have compiled a list of useful websites, resources and activities for you to use with your class or children. All are suitable for KS2 and KS3 students and can be used for researching the issues and ideas brought up in *Where's My Igloo Gone?* We want to show that when people work together – solving problems, thinking creatively – anything can happen, and this pack will help get children thinking about the little things they can do in their own lives to make a difference.

You can follow our project and tour via our websites and social media - please tell us what you thought about the show and stay in touch!

Our company website: www.theboneensemble.co.uk

Our dedicated project website: www.birmingham.ac.uk/igloo

Social media:

Facebook: The Bone Ensemble

Company Twitter: @TheBoneEnsemble

Hashtags: #WheresMyIglooGone #HelpingOolik
#ClimateChange



MEET THE TEAM

Jill Dowse and Adam Ledger run The Bone Ensemble. The show was our idea! Adam directed the show, and Jill plays Oomam – and lots of other characters! We are very enthusiastic recyclers! We also enjoy a visit to our local Household Recycling Centre (the tip!), which is run by our local council, where they try to recycle as much as they can. In our house, we have changed all our light bulbs to bulbs that use less energy. When we go out, we try never to buy bottled water. Did you know that a 1 litre size bottle of water can take up to 5 litres to make? Crazy, eh? You could just fill up your own bottle from good old tap water! And when we went on a trip to Paris recently, we made sure we got the train instead of going by plane – just like Ooliki!

Claire Browne is our designer. She had lots of ideas for the set and the costumes. We asked her not to use polystyrene because it can't be recycled. No problem! She is brilliant at reusing and recycling things. We gave her a couple of old jackets which we don't wear any more - she has cut them up to help make our costumes!



Professor David Hannah is one of our scientific advisers. He knows a lot about how the climate is changing. David told us about his trips to the Arctic. He was amazed at how quiet it was! All he could hear was the sound of his own breathing! And, of course, when he walked, the sound of his nice, warm boots crunching into the ice. David has recently joined UNESCO as an expert on water. Here's David doing some iceberg fieldwork in Kings Bay (or Kongsfjorden in Norwegian), in Svalbard. Can you find it on a map?

Dr Kris de Meyer is our other scientific adviser. When we first met him, in a café, he had brought his own cup, so that the plastic-covered paper cup he would have been given wouldn't just end up in the bin. He said it was a small thing to do, but perhaps it might encourage other people that he meets to do the same thing. We thought that was cool. We have now got our own cups which we take everywhere. They are gorgeous and made of bamboo!

Sam Frankie Fox plays the main character, Oolik and performs alongside Jill in our show. She ditched her car keys in favour of more comfortable footwear, and mostly walked in to rehearsals at mac birmingham. Luckily the walk involves a lovely jaunt through Cannon Hill Park, so Sam had plenty of time to enjoy some fresh air and autumnal sights of tree leaves turning red, before spending the day in the studio.



Charlotte Gregory is our producer. She likes to go walking with her dog Delilah and she can't stand it when people leave rubbish lying about, so always tries to pick it up to help keep our planet clean and tidy. At home if she's feeling chilly, she'll always put on a jumper first, before putting on the heating. She also likes a good rummage through a second hand shop to buy vintage clothes rather than always buying new.

We would love to hear about the things that you are doing to help the planet! Email us, or get on Facebook or Twitter - Oolik would love to hear from you!

TEACHERS (AND PARENTS/CARERS)

As well as our project website, www.birmingham.ac.uk/igloo there are also masses of fabulous – and free! – resources to check out on the internet. Here are some of our favourites:

Oxfam:

www.oxfam.org.uk/education/resources/climate-challenge-7-11

Activities link to a number of Primary curricular areas including Science, English and Geography. Their climate challenge resources focus on the human impact of climate change: how communities around the world are being affected by climate change and how people are responding and adapting to these challenges. Resources include slideshows and – something we really like! – a session looking at planning and taking action against climate change.

Friends of the Earth:

https://www.foe.co.uk/learning/educators/resource_index.html

Colourful, information posters to download and print. You can also get a Friends of the Earth educator to come into school! Click on the 'Green Up Your School' option to find more resources, including ideas on climate change fiction for KS2 children.

Northfield Eco Centre - friends of our project:

www.northfieldecocentre.com

This is a local, Birmingham-based organisation who focuses on building strong communities and protecting the environment. They have a series of information postcards which you can show as a slideshow. You can see them on our project website www.birmingham.ac.uk/igloo or we have attached them as an appendix to this pack.

Sunny Schools:

<https://solar-aid.org/sunnyschools/>

Free downloadable resources specifically for Primary Schools.

Sunny Schools have created a pack of six lessons that look at topics including climate change, carbon footprints and renewable energy. The lessons can be used individually or together to create a whole topic. They are accompanied by activity sheets and photo-cards. There's also an activity which looks at different people's opinions about climate change.

Primary Leap:

www.primaryleap.co.uk

Primary Leap has created a number of reading comprehension tasks about extreme weather events sometimes attributed to climate change. These include flooding, tornadoes and hurricanes. You can search their database by both year group and subject.

Animations:

"What is Climate Change?" www.youtube.com/watch?v=ko6GNA58YOA

There are lots of animations about climate change. We found this animation particularly helpful. It is really easy to follow and it also shows that it's not only areas like the Arctic that are affected by climate change.

Apps:

<http://www.teachclimatechange.org/more-resources/climate-change-apps/>

This site also has a range of useful classroom resources.



ACTIVITY ONE

The Climate Change Quiz

Do you remember what the scientist said to Oolik in the show?

Hint: If you can remember the song and dance he taught to Oolik, that might help you get some of the right answers in Question 1!

Watch out – some of the questions have more than one right answer!

1. Why is our planet heating up?

- A Because the sun's getting hotter.
- B It isn't.
- C Because we drive cars that need petrol.
- D Because of greenhouse gas pollution.
- E Because of the poo and farts from cows!

2. Where does petrol come from?

- A It comes from clouds.
- B It comes from fossils (these are the dead bodies of plants and animals that lived millions of years ago).
- C It comes from the petrol station.
- D It comes from the moon.

3. What other kinds of energy sources come from fossils?

- A Coal.
- B Wood.
- C Cornflakes.
- D Solar power.
- E Natural gas.
- F Wind power.

4. Why are sea levels rising?

- A Because the water is getting warmer and takes up more space as it expands.
- B They're not.
- C Because the penguins and seals are splashing about too much.
- D Because so much ice is melting from ice sheets and glaciers.
- E Because there are too many fish in the sea.

5. A warmer climate means

- A More stormy weather.
- B More floods.
- C It'll be sunny all the time and everyone will like that!
- D Lots of people will have to move away from their homes and find somewhere else to live.

E Some places will become deserts where no-one can live or grow anything to eat.

6. There's no point in bothering about climate change. There's nothing we can do about it. Should we say:

A Yes – just forget about it.

B Rubbish! There are loads of things that we can all do about it!



So what CAN we do about it?

Tons of stuff! Here is a great list of 12 things we can all do:

1. Get active. Pester politicians. Make a fuss!
2. Know your stuff
3. Kick the car habit
4. Make your own climate (wearing more clothes and turning down the heating)
5. Shop locally
6. Travelling light
7. Change you driving habits
8. Get your power from the sun (solar power is free!)
9. Think about what we eat
10. Remember your 4 Rs (reduce, reuse, recycle, repair)
11. Turn that thing off!

(Thanks to tiki.oneworld.org for this list)

More information about all of these things can be found here:

http://tiki.oneworld.org/global_warming/quiz/climate-quiz.htm

What else?!

- Look around your school and your home!
- Is it easy to recycle stuff like paper?
- Does your school encourage you to walk or cycle to school?
- Do people remember to turn off the lights and other things like computers when they leave a room?
- If not, make a fuss! Ask your family, friends and teachers to help everyone be kinder to the planet.
- Ask your teachers if they have heard of Eco Schools. They can find out more information here: <http://www.eco-schools.org.uk>



ACTIVITY TWO

Let's Help Oolik!

In our story, *Where's My Igloo Gone?*, Oolik goes on a long journey to try and save her igloo. She also discovers why we need to look after the planet. She finds out that she can help to change things, especially if she gets her friends to help her.

Can you show Oolik what you can do to be kind to the earth? You will need to get our black and white Oolik version attached as an appendix to this pack to help you.

1. First, she's going to need some warm clothes! Can you colour in her clothes?

2. When you have finished, cut her out and stick her onto a piece of card. (Can you find some card from an old cereal box? Get recycling!)
3. Cut around the card.
4. Take her around your school or your home and show her what you are doing to help stop the world getting warmer. Look at our helpful list from before, or Northfield Eco Centre's postcards.
5. Get someone to take a photo of you and Oolik doing good things. Give us a BIG THUMBS UP!
6. Send us the photo! (Check with a grown-up or teacher that it's OK to do this first). You can email admin@theboneensemble.co.uk, or tweet @TheBoneEnsemble #WheresMyglooGone #HelpingOolik #ClimateChange

We can also put it on our website, or on our Facebook page, so everyone can see that you're being kind to the planet. Maybe they will want to copy what you're doing. That would be AMAZING!

7. If you find examples of things that are bad for the planet – perhaps people leaving rubbish around and not recycling, or using a car when they could walk, take a photo with Oolik, and give us a BIG THUMBS DOWN! And don't forget to send your photo to us so we can show people what NOT to do, too!

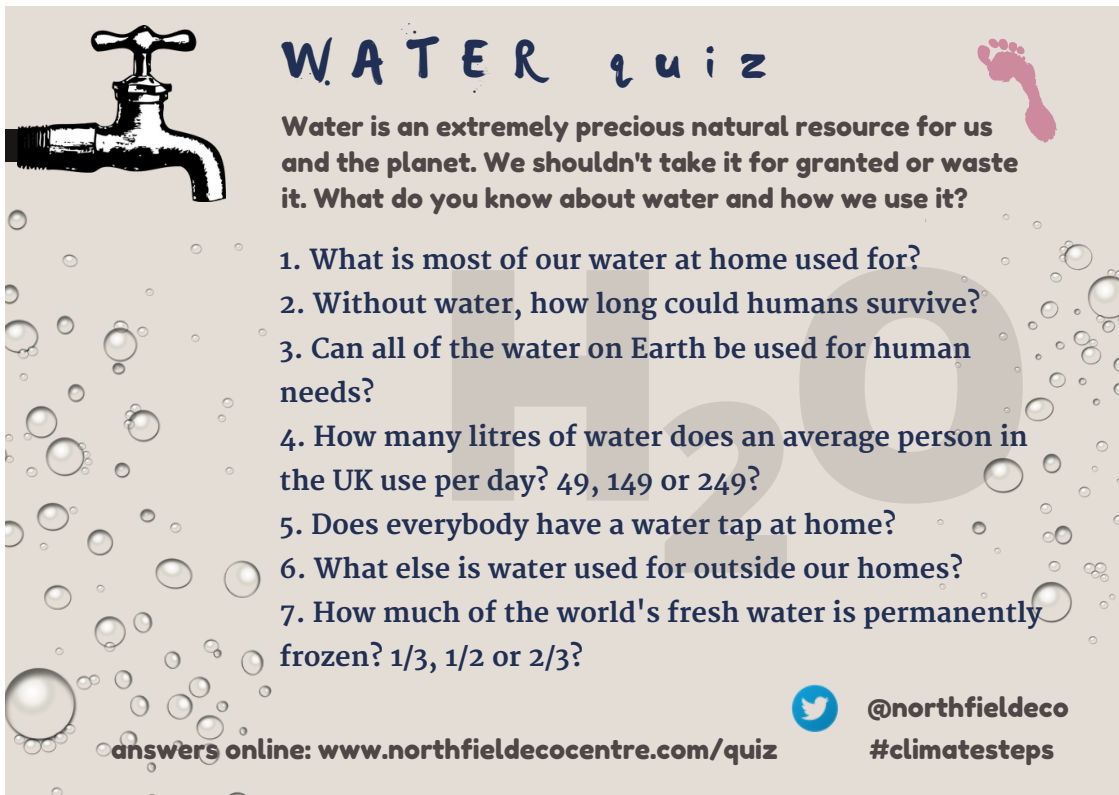


**Appendix 1 - Colouring in
Oolik**



Appendix 2 - Northfield Eco Centre Example Slides

(For more slides please go to www.birmingham.ac.uk/igloo)




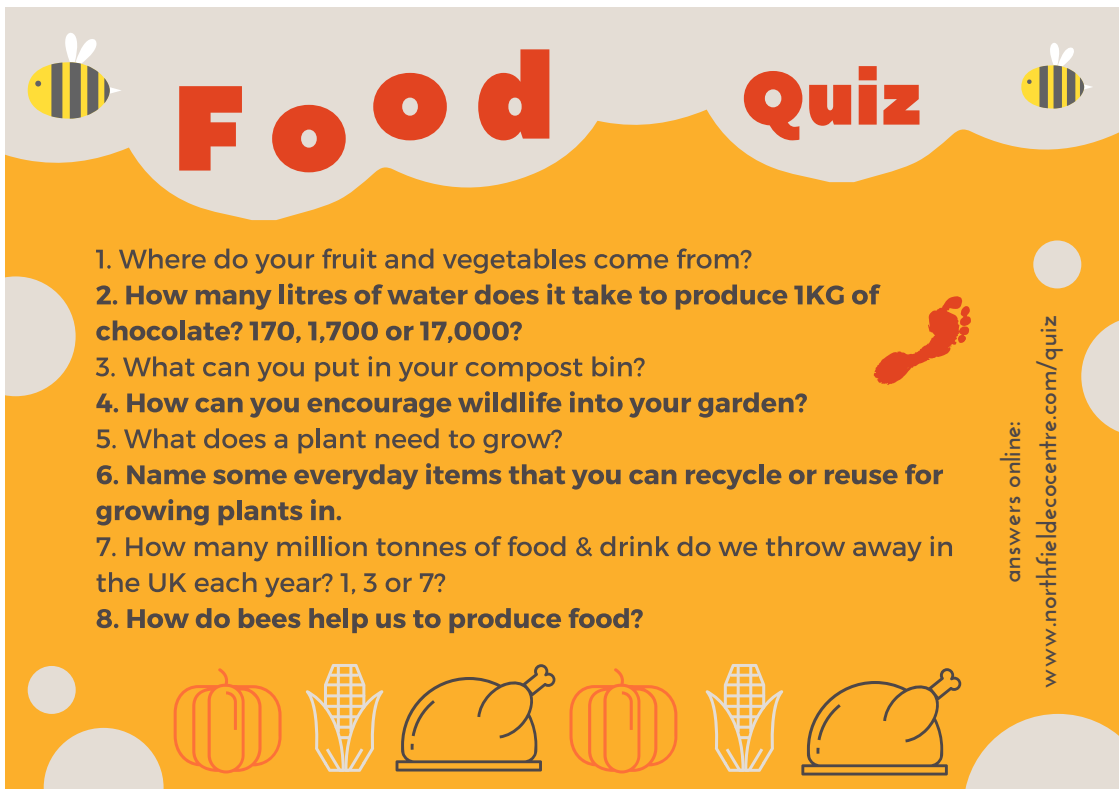
WATER quiz

Water is an extremely precious natural resource for us and the planet. We shouldn't take it for granted or waste it. What do you know about water and how we use it?

1. What is most of our water at home used for?
2. Without water, how long could humans survive?
3. Can all of the water on Earth be used for human needs?
4. How many litres of water does an average person in the UK use per day? 49, 149 or 249?
5. Does everybody have a water tap at home?
6. What else is water used for outside our homes?
7. How much of the world's fresh water is permanently frozen? 1/3, 1/2 or 2/3?

answers online: www.northfieldecocentre.com/quiz

 @northfieldeco
#climatesteps



Food Quiz

1. Where do your fruit and vegetables come from?
2. How many litres of water does it take to produce 1KG of chocolate? 170, 1,700 or 17,000?
3. What can you put in your compost bin?
4. How can you encourage wildlife into your garden?
5. What does a plant need to grow?
6. Name some everyday items that you can recycle or reuse for growing plants in.
7. How many million tonnes of food & drink do we throw away in the UK each year? 1, 3 or 7?
8. How do bees help us to produce food?

answers online: www.northfieldecocentre.com/quiz

