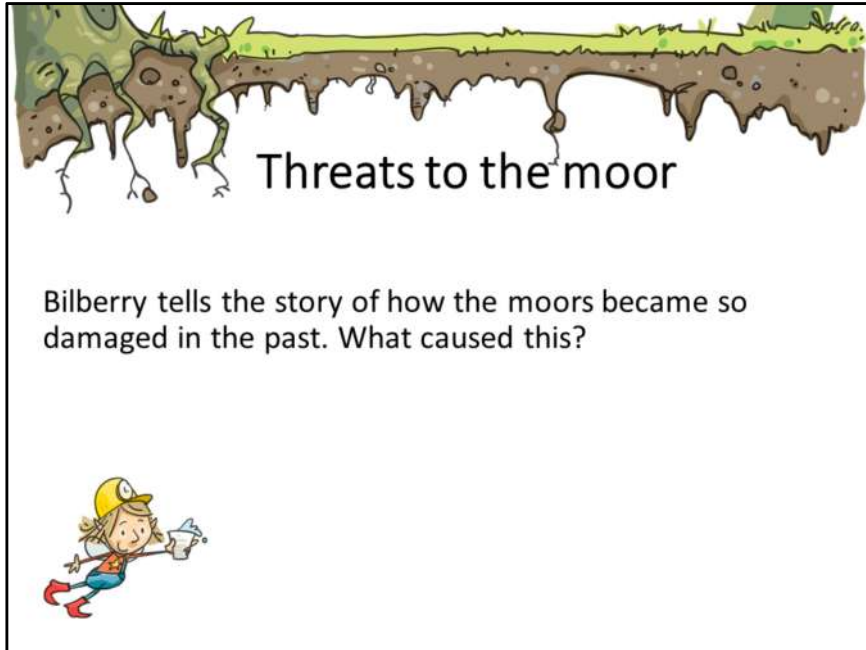
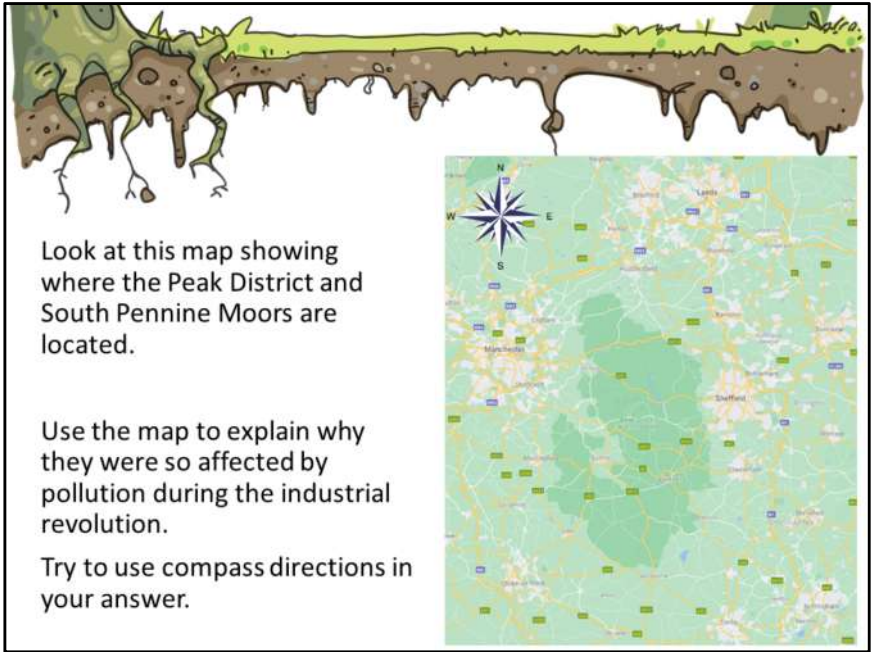


What can we learn from the adventures of Bilberry and Cottongrass?



Industrial revolution, talk about air pollution. Links well with science perhaps covering some of the gases (Carbon Dioxide and Sulphur Dioxide)



Look at this map showing where the Peak District and South Pennine Moors are located.

Use the map to explain why they were so affected by pollution during the industrial revolution.

Try to use compass directions in your answer.

Adjacent major cities. Geographical locations link, perhaps include discussion of wind direction and more rain falling on uplands.




“Them up top”

The story features examples of both helpful and unhelpful humans.

Create a table showing examples of helpful and unhelpful things humans can do on the moors.


Helpful	unhelpful



What's so special about Peat?

Bilberry goes to a lot of effort to protect Peat. Explain why Peat is so important.

What kind of conditions are needed to keep Peat protected?



Peat is a huge store of Carbon. The largest terrestrial store of carbon globally. Peat needs “boggy and soggy” conditions.

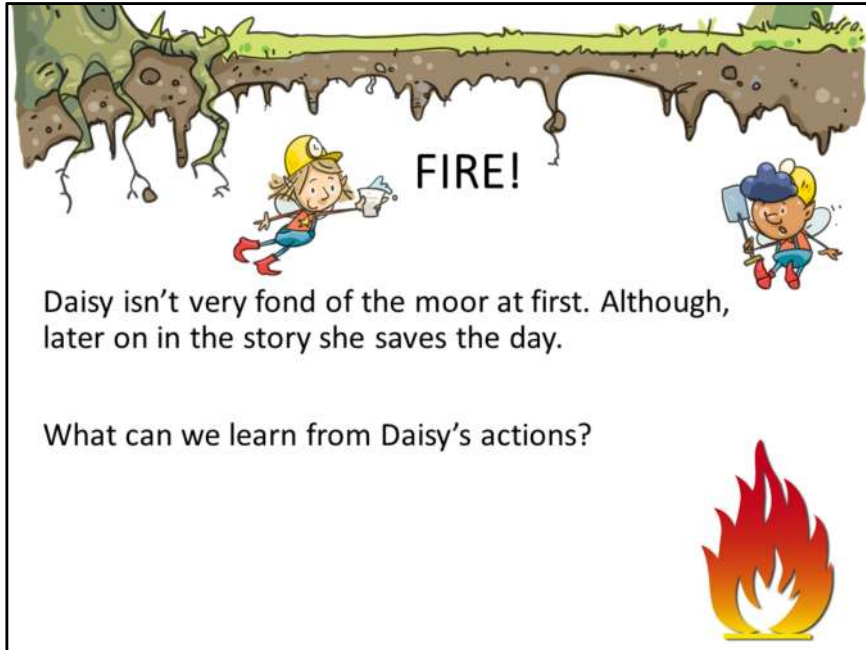
The real Peat

This photo shows what the peat we find on the moors really looks like. Here it has been exposed and is being washed away.

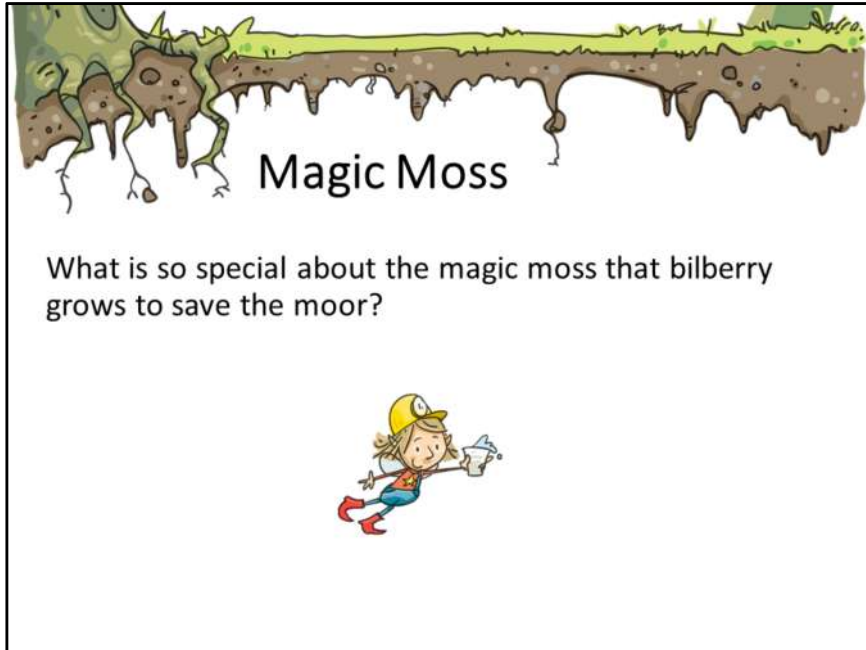
Think about Bilberry in the play. What could be done to help to stop this?



Bilberry is growing magic moss to plant on the moors. Moors for the Future would block gullies to stop water flowing through and also plant boggy plants like sphagnum moss and cotton grass. Peat forms at a rate of around 1mm per year so this exposed area of peat could have taken 100 years to form and may have been eroded in less than 20.



If you see a fire on the moor call the fire brigade. To do this call 999 and ask for the Fire Brigade. NB: you will need the help of an adult who can tell the fire brigade where the fire is. **IMPORTANT:** if the fire is near where you are and not in the distance you must get to safety first, moorland fires can spread very quickly.



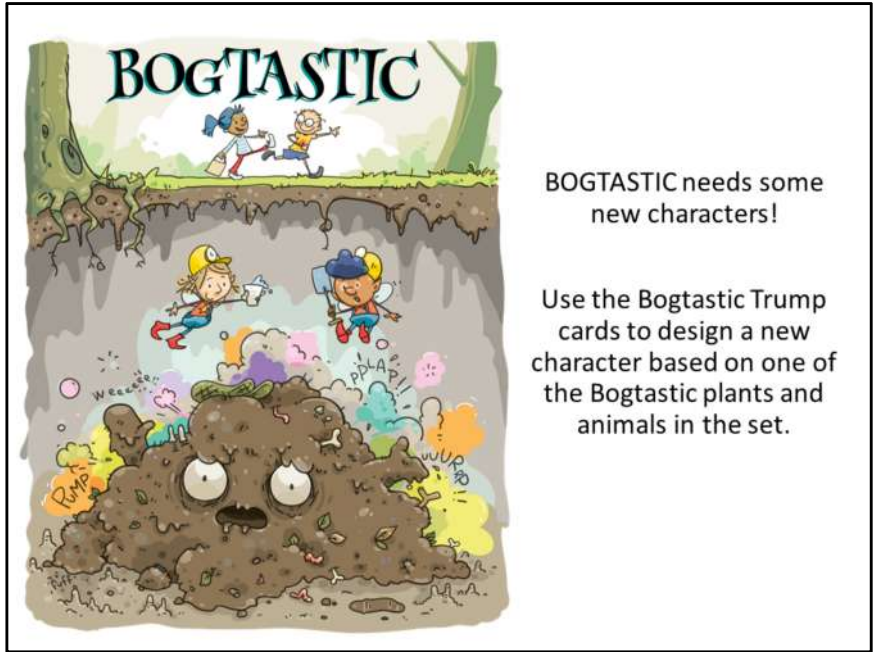
The moss acts like a sponge keeping the moors boggy. Sphagnum moss absorbs up to 20x it's own weight in water.

The real magic moss

Here are some pictures of the real magic moss.

It is called Sphagnum Moss and there are several different types which appear in a lovely range of colours!





BOGTASTIC needs some new characters!

Use the Bogtastic Trump cards to design a new character based on one of the Bogtastic plants and animals in the set.