

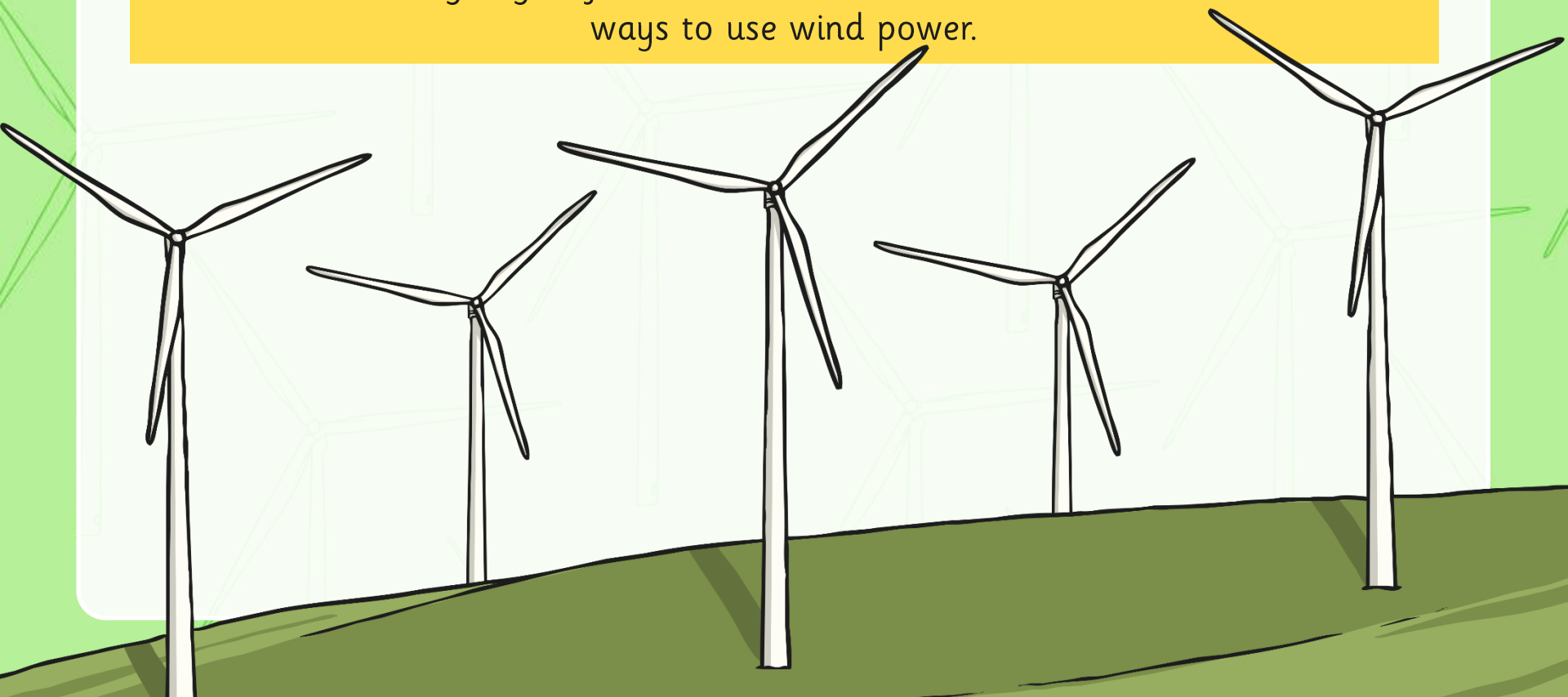
# Wind Power



# Wind Power

Wind power is a renewable source of energy. It will never run out, so it is a good way of making the energy we need to power our homes and vehicles.

We are going to find out about the scientists who invented ways to use wind power.



# Turbine Timeline

A wind turbine is the device that changes energy from the wind into electrical energy.



The first person to use energy from the wind to power a machine was an ancient Greek scientist called Hero of Alexandria. He lived in Roman Egypt almost 2000 years ago. He used his wind wheel to power a musical organ.

# Turbine Timeline

The first person to make electricity using energy from the wind was a Scottish scientist called James Blyth. He invented his mini wind turbine in 1887 and used it to power the lights in his holiday home in Scotland!



# Turbine Timeline

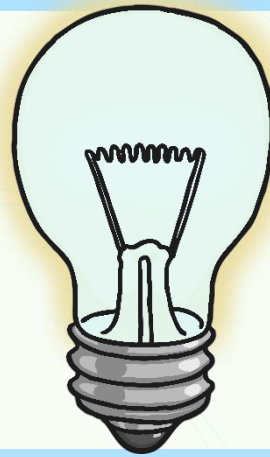


By the 1930s, wind turbines were commonly used to make electricity on farms, especially in the United States.

Many farms were not connected to the electricity grid so this was the only way farmers could power their homes and machines.

# Turbine Timeline

In 1941, a wind turbine was connected to the main electricity grid for the first time in Vermont in the United States.



The electricity the turbine made was delivered to homes and businesses, just like the normal electricity made from coal.

Unfortunately, this turbine broke after a short time and was not replaced.

# Turbine Timeline



The first wind turbine connected to the main electricity grid in the UK was built in 1951 by a group of engineering scientists called John Brown and Company.

Today, energy from the wind is used to power nearly a quarter of British homes. There are over 6000 wind turbines in the UK.



# Order the Timeline

Around the room you will see the Turbine Timeline statements.

Choose a group member to visit one of the statements. Carefully cut out one of the strips at the bottom and bring it back to your group.

Can you decide together where to put the statement on your blank Turbine Timeline?

**Turbine Timeline**

I can describe the invention of wind turbines.

Complete this timeline to show how wind turbines were invented.

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Which group will complete their timeline first?