

For lower primary/nursery pupils

The Energise gallery will take you through the different sources of electricity, how it is moved around to homes and businesses and what we use it for. This trail will help you explore the gallery and discover more about electricity in Scotland.

Start with two different stops in the gallery that connect with the Magic Carpet:

1. Wind turbine blade

Find this straight ahead of you as you enter the gallery

This is a chance to show the group the size and scale of wind turbines. Depending on the number in your group, arrange the children on one side of the turbine or around the outside. Tell them that this is just the tip of one part of the wind turbine that we use to generate electricity. The full size wind mill would be so large that even if it stood on the ground floor it would be too tall to fit inside the gallery.



2. The National Grid

Find this in the corner diagonally opposite the turbine blade

As part of the Magic Carpet workshop the children moved electricity from the wind turbines back to the house on the Magic Carpet. Take them across the items that connect to the National Grid and remind them of what they have done.

Show them the large picture of a pylon and ask them to look out for one of these when they leave the museum.



There are two other items in the gallery to visit:

3. The solar panel

Find this on the wall beside the wind turbine blade

Wind is not the only type of weather used to make electricity. One common sight today is solar panels on the roofs of people's houses.

Can the children remember any of the weather-related songs we sang in the Magic Carpet or can they think of any new ones?

The songs we sang in the Magic Carpet were:

To the tune of "*Oh My Darling*"

What's the weather?
What's the weather?
What's the weather, everyone?
Is it windy?
Is it cloudy?
Is there rain?
Or is there sun?

To the tune of "*Row, row, row your boat*":

Wind, wind, blow the clouds
Fast across the sky.
Blow the branches back and forth
In the trees so high.

4. The Hydrogen car

Find this on the left hand wall of the gallery

The last item is a small green car.

We need electricity for all sorts of different things, not just to power the televisions in our house.

We can use it to travel by car, bus and train.

You can finish your time in the gallery with another song, this time the *Wheels on the Bus*:

The wheels on the bus go round and round
Round and round, round and round
The wheels on the bus go round and round All day long!
The bell on the bus goes DING DING DING DING
DING DING, DING DING DING
The bell on the bus goes DING DING DING
All Day long!