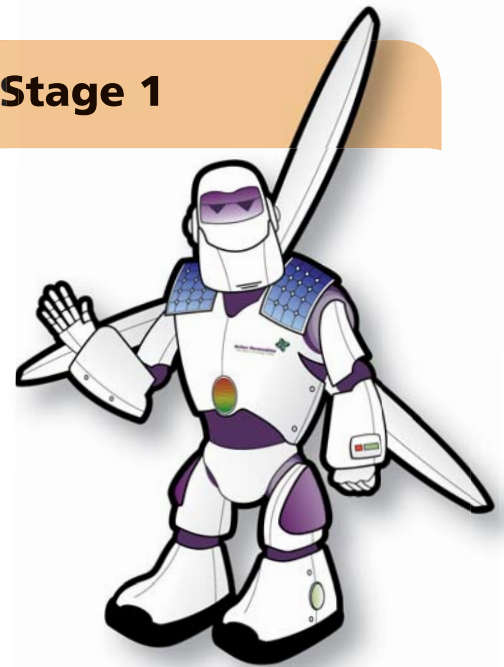
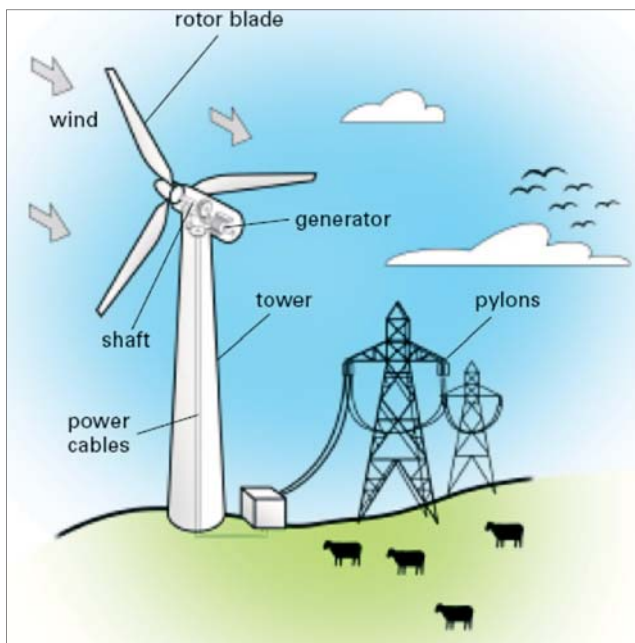


# Wind Energy

How can energy come from the wind?



Have you felt the wind blowing? Renewable Robbie doesn't like it when the wind is too strong! The wind can make things move. This is called **wind energy**. Many, many years ago, the wind was used to make flour in windmills. Today, the wind can be used to make electricity. Have you seen a picture of a wind turbine? Look at the picture below:



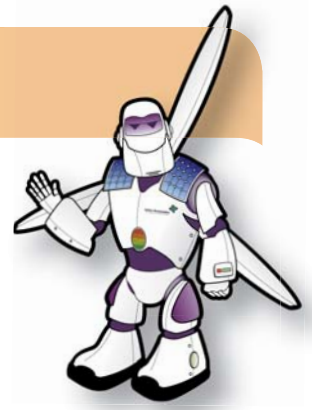
Sourced DTI

**This is how it works:**

1. The wind makes the rotor blades spin round.
2. When the blades spin round, machines inside the turbines turn round.
3. The machines make electricity.
4. Electricity reaches homes and buildings along wires called cable wires.

If you see a lot of wind turbines together in one place, it is called a wind farm. You would usually find these on the





top of hills because the wind can blow freely without being blocked by buildings or trees. A big wind farm can provide about 1000 houses with electricity!

Some wind farms can be found in the sea because there is nothing in the way of the wind blowing in the sea! Look at the picture below:

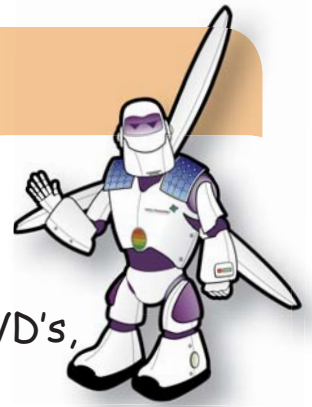


Sourced DTI

Wind energy is good because

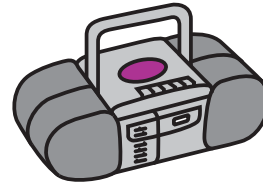
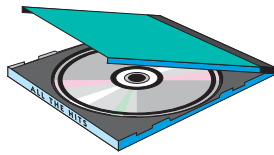
- It is renewable so won't run out
- Northern Ireland has a lot of windy places so we can make lots of electricity
- Wind turbines do not damage the air
- Wind energy is safe





### Examples of using wind energy

Wind farms can give us electricity for lights, TV's, DVD's, play stations and so on and so on!



Renewable Robbie went to see wind turbines in Northern Ireland. This photograph is taken at a Primary School called Holy Trinity Primary School in Enniskillen. The wind turbine gives the school electricity.



Renewable Robbie also went to a Church in West Belfast. The Church is called the Church of the Nativity and it has a wind turbine which provides electricity for the Church and a community centre.

Renewable Robbie enjoyed learning about wind turbines. He likes the look of them. Join him to do some activities on wind energy.

