



Powerlines

What is this a picture of? What do you see?

What do we use these for?

Why do we need these? (*Powerlines transport electricity from the place where it is made to the place where it is used, such as our houses and schools.*)



Wind turbines

What is this a picture of? What do you see?

What do we use these for?

How do these work? (*Very simply, the wind turns the blades around which generates electricity.*)



Solar panel

What is this a picture of? What do you see?

What do we use these for?

How do these work? (*Very simply, when sunlight hits a solar panel, it makes electrons in the solar panel move around [electrons are teeny tiny specks - they're way too small for us to see, even under a microscope]. The electrons flow through wires that were built into the solar panel and this create electricity.*)



Water wheel

What is this a picture of? What do you see?

What do we use these for?

How do these work? (Very simply, flowing water falls onto the wheel, forcing the wheel to turn. The turning wheel generates electricity which can be used to cook our food, keep our phones and computers charged, and keep our houses warm or cool and our lights on.)