

600BC



1800

Who discovered static electricity?



Who invented the first practical way of making electricity?

1839



Who invented the photovoltaic cell?

1888



How is electricity generated by wind?

1956



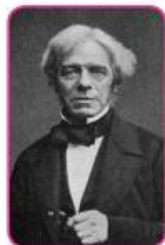
What is Nuclear Power?

1780



Why did Luigi Galvani think animals made electricity?

1821



How is electricity generated using a magnet?

1882



What did Thomas Edison do?

1941



What did Russell Ohl do?

2000



What is Wave Power?

2000s



What has helped the development of electric cars?

FUTURE

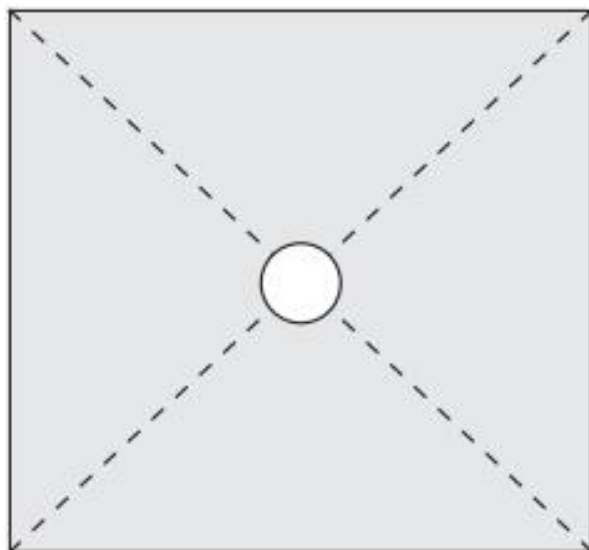


What ideas are scientists using to develop electricity for the future?

RESOURCES:

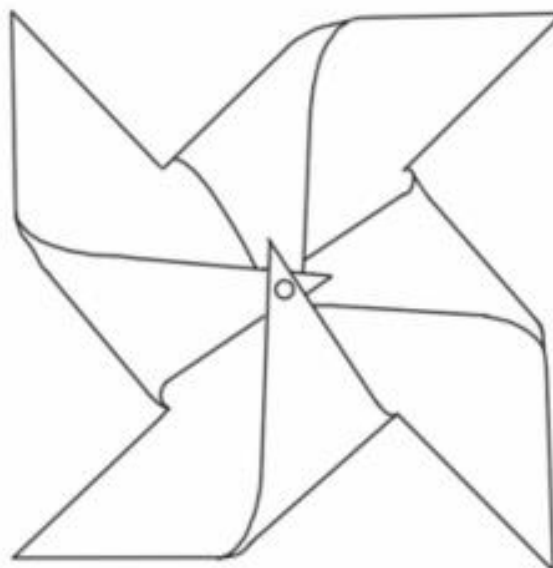
- ✓ Strong paper/card
- ✓ Paper straws
- ✓ String
- ✓ Paperclip
- ✓ Tape
- ✓ Scissors
- ✓ Glue
- ✓ Wooden skewers or kebab sticks

1. Cut out a square piece of paper/card.
2. Draw 2 lines diagonally, from corner to corner.
3. Make a hole in the middle, slightly smaller than the diameter of the straw that you will be using (you can use a hole punch).

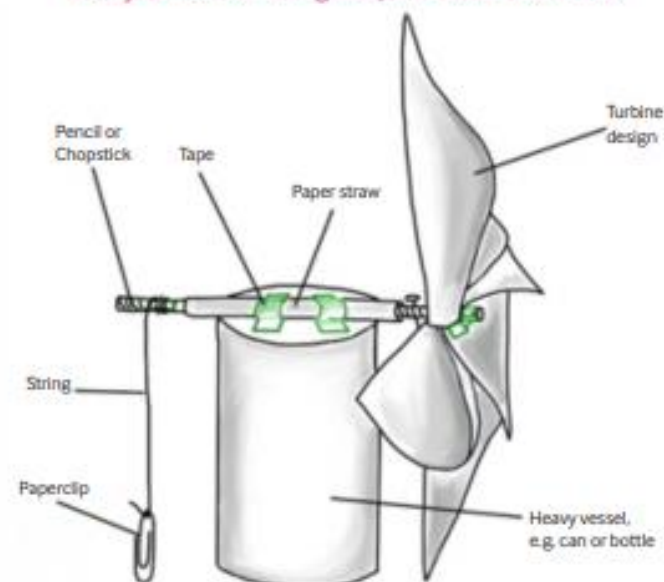


4. Cut along each line, stopping about 2cm from the hole.

5. Bring each free corner down to where the cut stops near the middle of the paper and stick it with glue.



6. Insert a straw through the middle of your windmill. It should fit snugly.
7. Put a wooden skewer/chopstick through the straw so that the wind turbine can spin freely.
8. Towards the end of the straw, tape a piece of string. Tie or tape the other end of the string to a paperclip.
9. Hold the ends of the wooden skewer, blow on the sails of the wind turbine and count how many times the string wraps around the straw.



10. Now experiment with different fin designs.