

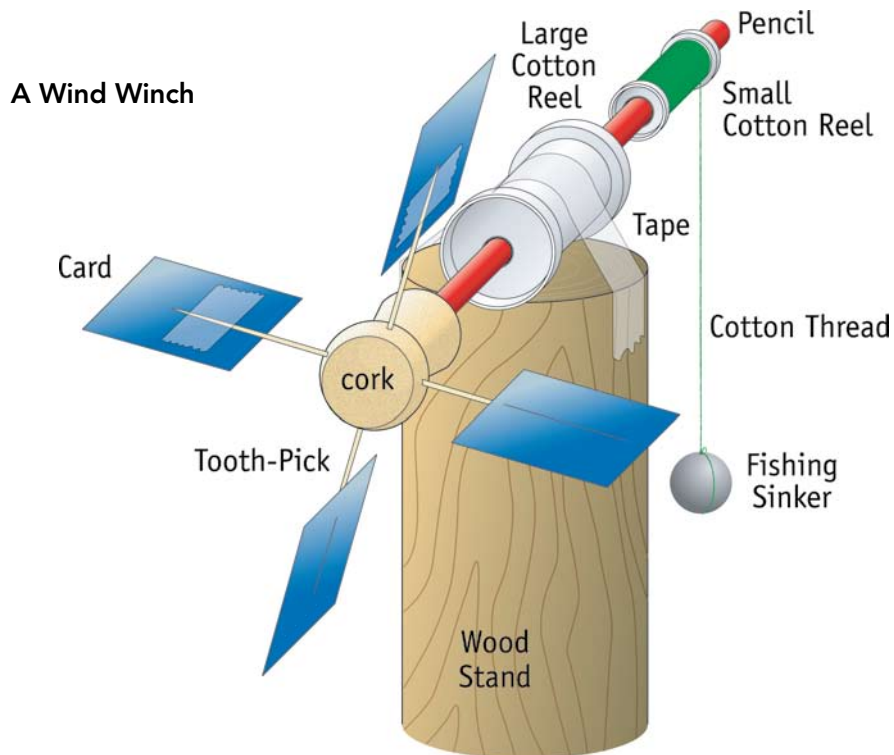
# Make Your Own Wind Winch

## What you need:

- Piece of wood 25cm long
- Wooden skewer
- 4 rectangular pieces of light card 5cm by 3cm
- 4 long tooth picks
- Cork
- 2 cotton reels (1 with cotton still attached)
- Weight-metal or clay or blu tac

## What you need to do:

1. Tape a cotton reel on its side to the top of a length of wood as in the diagram.
2. Using 4 pieces of card (5cm by 3cm) tape each card or blade to a long tooth pick. Stick the other end of the tooth picks into the cork evenly around the cork with the blades facing each other.
3. Stick the cork onto the sharp end of the skewer. Thread the skewer through the cotton reel taped to the top of the wooden stand. Make sure the skewer turns freely in the cotton reel hole.
4. Fix the second cotton reel with thread onto the other end on the skewer. Use blue tac or similar to ensure this reel can't turn.
5. Unravel about 20cm of thread from the cotton reel and tie a weight onto the end.
6. Blow on the blades to see if your winch can lift the weight. Now try your invention in the wind.



Created by GreenpondTSG

### Your Notes