Helicopter

(Remember always ask permission and clean up after you are done)

Materials Needed:

Paper
Pencils
Paper Clips
Scissors

Directions:

- Here is the basic shape you'll need to draw on your paper. You can make it as big or as small as you like. There is a template at the end of this document.

- Important: **Cut** along the **solid** lines and **fold** along the **dotted** lines.

- Ensure that each rotor is facing in a different direction.

- Drop the helicopter from a height and watch it spin as it drops to the ground.

Extension Ideas:

Try adding paper clips to the bottom - does this affect the spinning or the time it takes to drop to the ground?

What if you had different paper?

How about adjusting the length of the rotors? What does this change?

Talk about 'fair testing'. Why is it important to change just one thing at a time?

Plot graphs showing the time it takes for them to fall to the ground. You can adjust the height they are dropped from, the weight or the length of the rotors.

Which way do they spin? How can we change the direction of the spin?