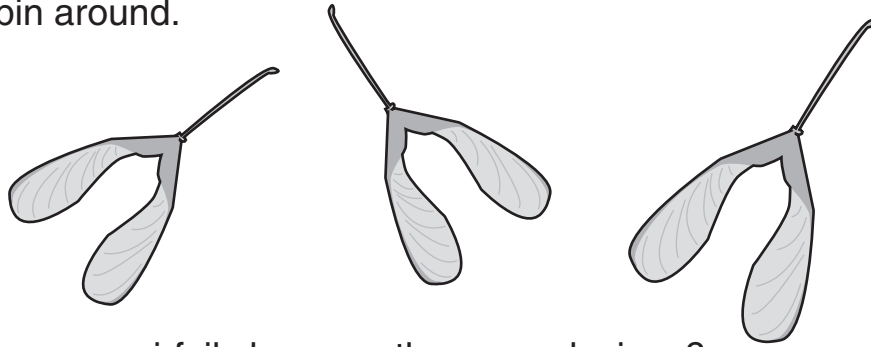


Helicopter Rotor Blades

The design of helicopter rotor blades is a copy of a design used by some trees to ensure their seeds travel further.

Sycamore trees and Maple trees have seeds with wings which make them spin around.



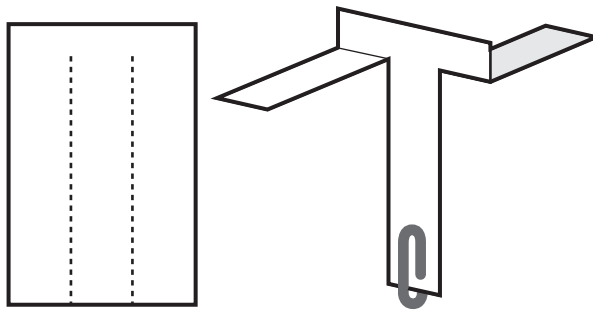
Do you see an airfoil shape on these seed-wings?

Make Your Own Paper Helicopter

Materials:

- paper
- scissors
- a paper clip

Diagram:



Procedure:

1. Cut a rectangular piece of paper, 9 cm by 14 cm.
2. Make two creases in the paper by folding it into three equal panels 3 cm wide.
3. Cut along the two creases stopping about 2 cm from the top.
4. To make the rotor blades for your helicopter, fold one of the outside strips backwards and the other forwards. Attach a paperclip to the bottom of the middle strip.
5. Hold your helicopter at arm's length from your body and let it drop. Watch as it spins through the air.

See if you can design your own helicopter.