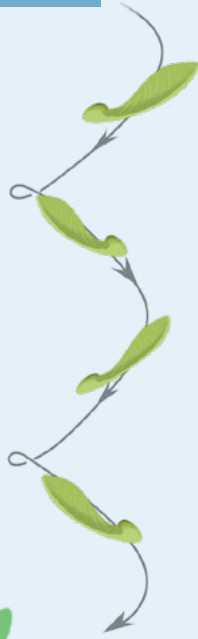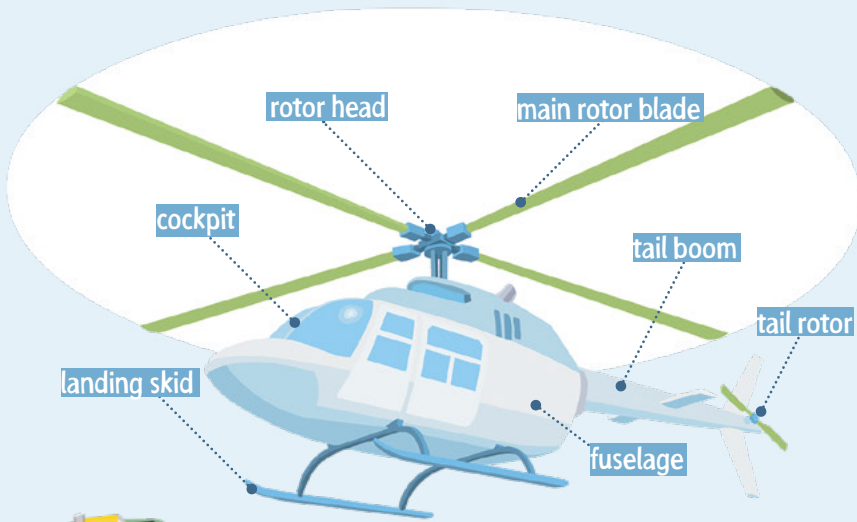# BUILDING A PAPER HELICOPTER

The other day, when Mr. Gylby stuck his head out of the **mole hill**, a **maple seed** landed in the meadow right under his nose. And a few moments later a helicopter flew past in the sky.

Mr. Gylby did not have to think long: Both are kept in the air by the force of **buoyancy**. But the helicopter does not fall to the ground. Its engine turns the two rotors and at the same time the **angle of attack** of the rotor blades is **increased**. So, the helicopter rises into the air. If the main rotor is **tilted**, it changes the direction of flight.

A helicopter is a fascinating piece of technology, thinks Mr. Gylby. Even though he obviously would never fly one.

These are the main components:

rotor head
main rotor blade
cockpit
tail boom
tail rotor
landing skid
fuselage

mole hill	Maulwurfhügel
maple seed	Ahornsamen
meadow	Wiese
buoyancy	Auftriebskraft
angle of attack	Anstellwinkel
increase, to	erhöhen, steigern
tilt, to	neigen, kippen
rotor head	Rotorkopf
rotor blade	Rotorblatt
tail boom	Leitwerksträger
tail rotor	Heckrotor
landing skid	Landekufe
fuselage	Rumpf
ruler	Lineal
scissors	Schere
paper clip	Büroklammer
adhesive tape	Klebeband
dotted	gepunktet
arrow	Pfeil

The little maple seed has given Mr. Gylby an idea to build something: **a paper helicopter**.

YOU NEED

ONE SHEET OF A4 PAPER ▸ A RULER ▸ A PENCIL ▸ SCISSORS ▸ A PAPER CLIP ▸ ADHESIVE TAPE

THIS IS HOW IT WORKS

❶ Draw the lines on the paper with a ruler and pencil. ❷ Cut the lines with scissors, fold the **dotted** lines by hand in the direction of the **arrows**. ❸ Tape the bottom edge of the fold with some adhesive tape. ❹ From the edge slide a paper clip into the middle. ❺ Bend the two wings and let the propeller fall to the ground.