

TWEENS DIY PACKAGE PAPER HELICOPTER

This programme provides Tweens the creative space to problem-solve through a do-it-yourself activity.

Just follow the instructions and have fun!

MAKE A PAPER 'COPTER!



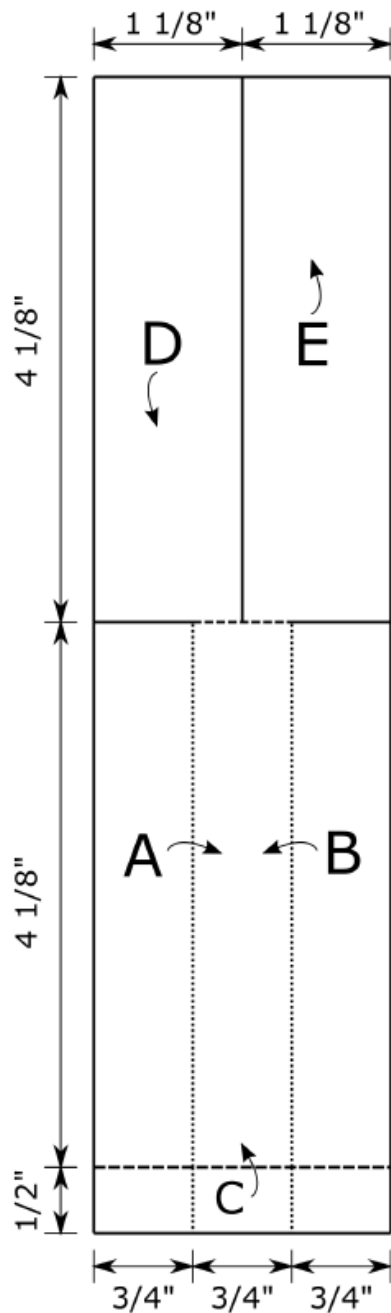
Step 1: Using the ruler, tear out and fold the helicopter template according to the instructions.

Step 2: Hold your paper helicopter up high to release it and watch it spin to the ground!

TIP 1: What happens when you add a paper clip to the bottom of the paper helicopter?

TIP 2: Design your own paper helicopter and see how it falls! (e.g. change the length/width of the wings, making wavy-edged wings, etc)

Science Buddies "Whirly Bird" Template



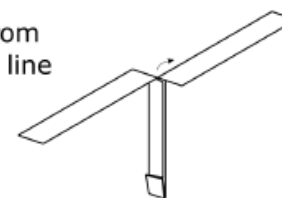
1. Tear along the solid lines

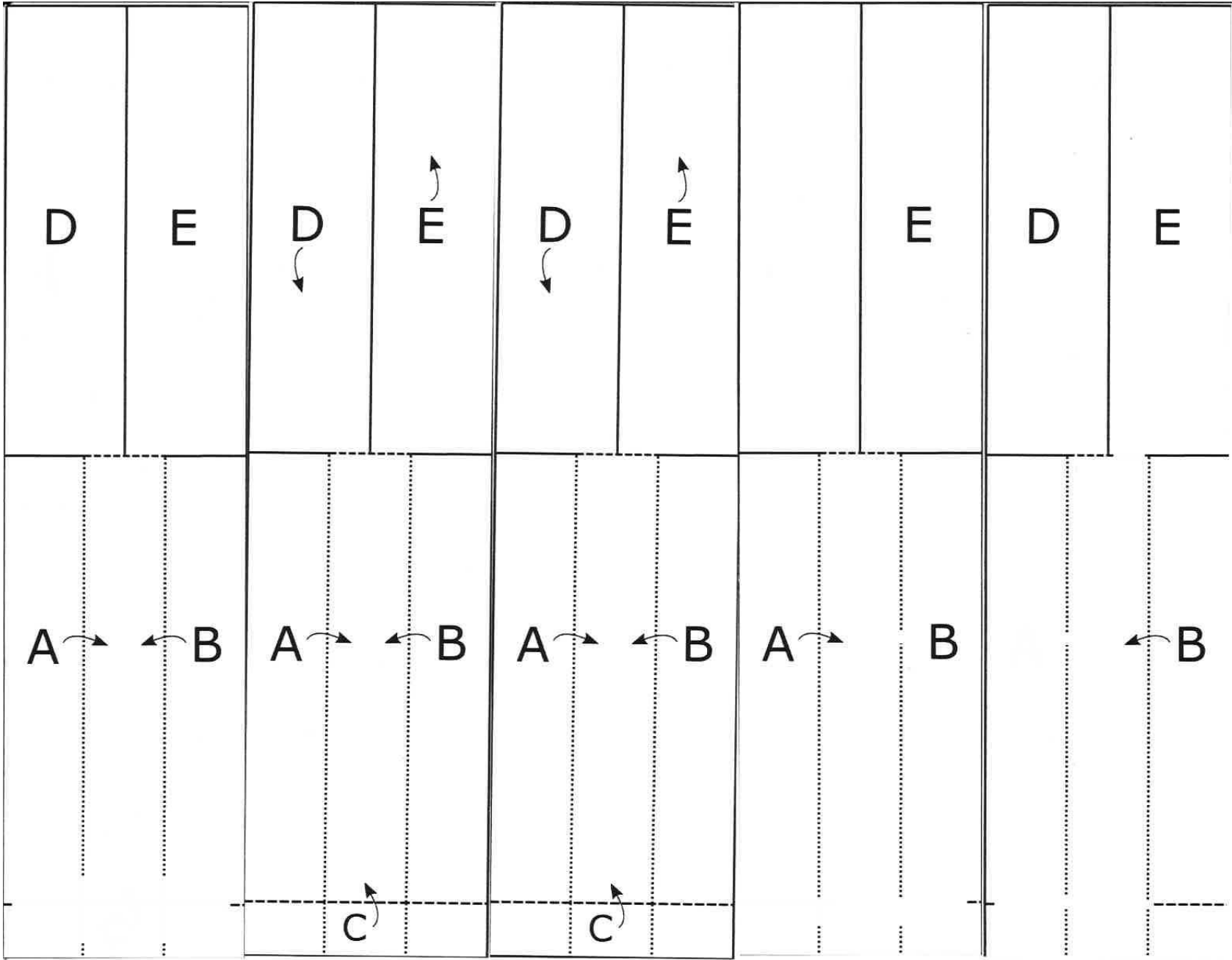
2. Fold parts A and B inward along the dashed lines

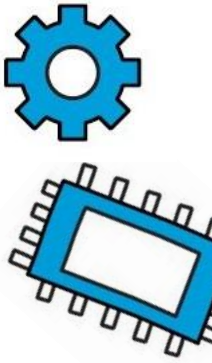
3. Fold part C upward to create a tab that holds parts A and B in place

4. Fold part D toward you along the dashed line

5. Fold part E away from you along the dashed line







DID YOU KNOW?

Helicopters stay in the air using spinning blades that are used to generate **lift**. With enough of it, a craft can overcome the force of **gravity**, which pulls the object down toward Earth. Aircraft such as helicopters with spinning blades are called rotary wing, unlike traditional airplanes, which are fixed wing.

When the paper helicopter is released, the air pushes up against the blades, causing them to rotate. This generates lift that slows the helicopter as it drops.

LEARN MORE ABOUT IT!

Read more about helicopters and the science of flight here!

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