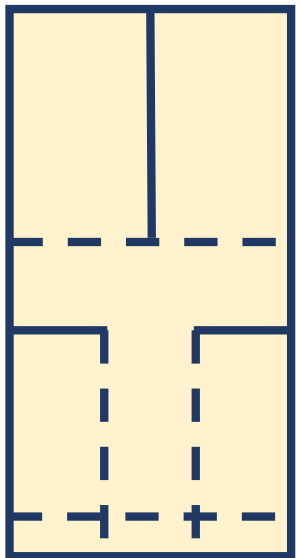


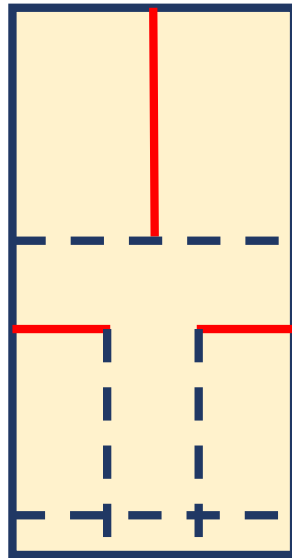
MAKE YOUR OWN ROTOCOPTER

You will need

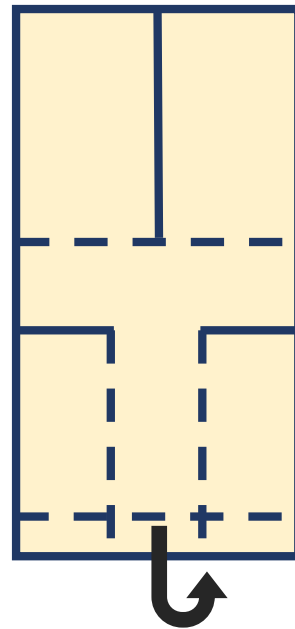
- Sheet of paper
- Scissors
- Paperclip



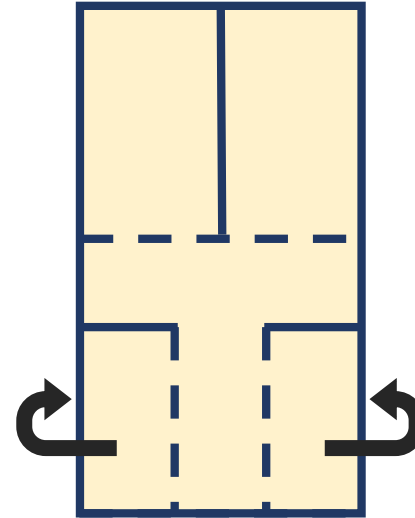
Print out the template provided (or draw your own on a sheet of paper).



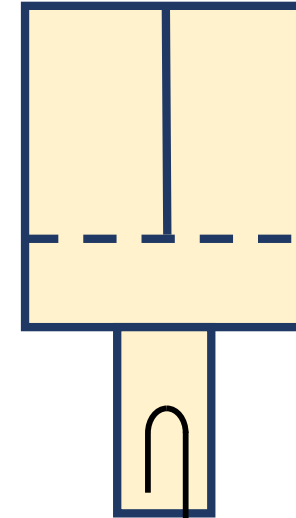
Cut along the solid lines (shown in red).



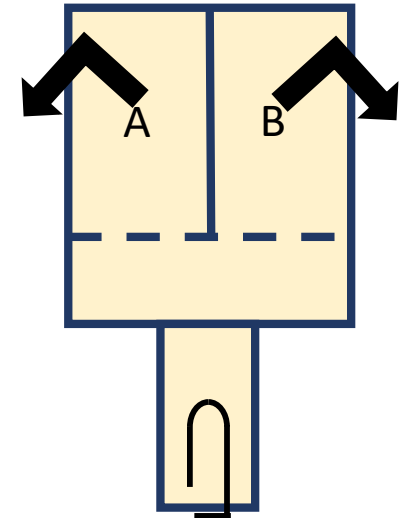
Fold along the horizontal dashed line at the bottom.



Fold along the vertical dashed lines.



Secure the folds with a paperclip.



Fold 'rotor' A toward you and 'rotor' B away from you.

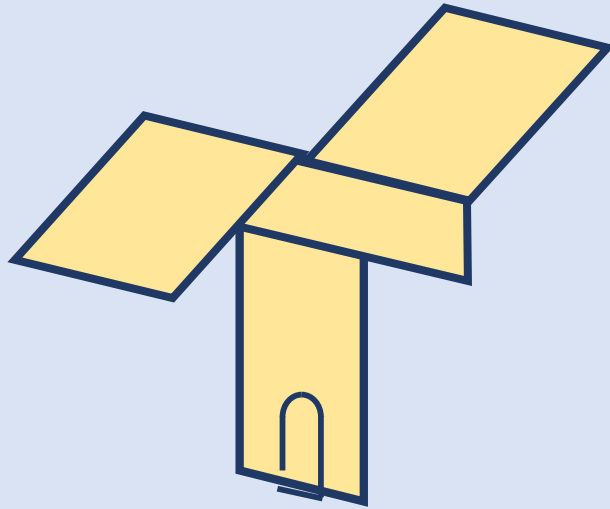
WHY DOES THE ROTOCOPTER SPIN?



AEROSPACE BRISTOL

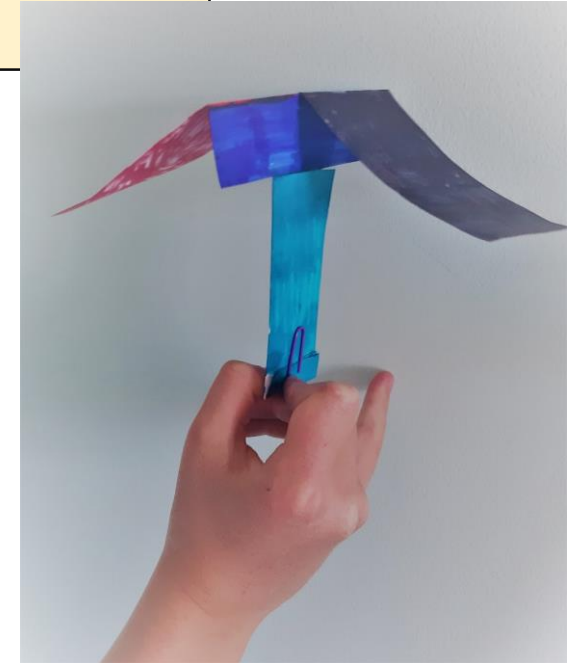
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England

Hold the Rotocopter by the paper clip. Throw it as high and far as you can. It will spin to the floor.



You can also stand on a chair or on the stairs and drop it. Ask a grown-up if you can drop it out the window.

Don't forget to colour in your rotocopter, watch the colours merge as it spins!



What happens when....

you change the length of the rotors?
Or add another paperclip?

WHY DOES THE ROTOCOPTER SPIN?



AEROSPACE BRISTOL

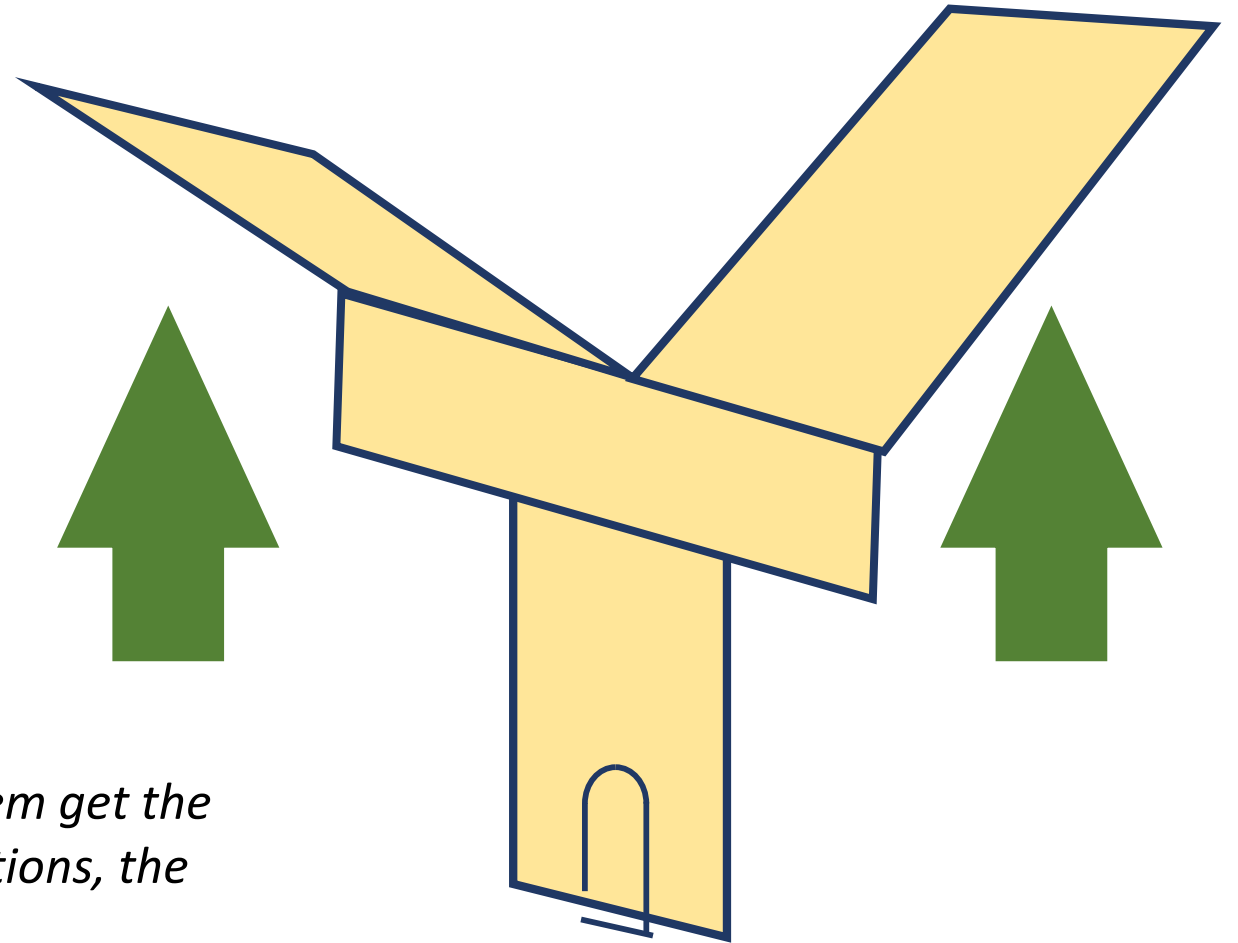
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England

Why does the rotocopter spin?

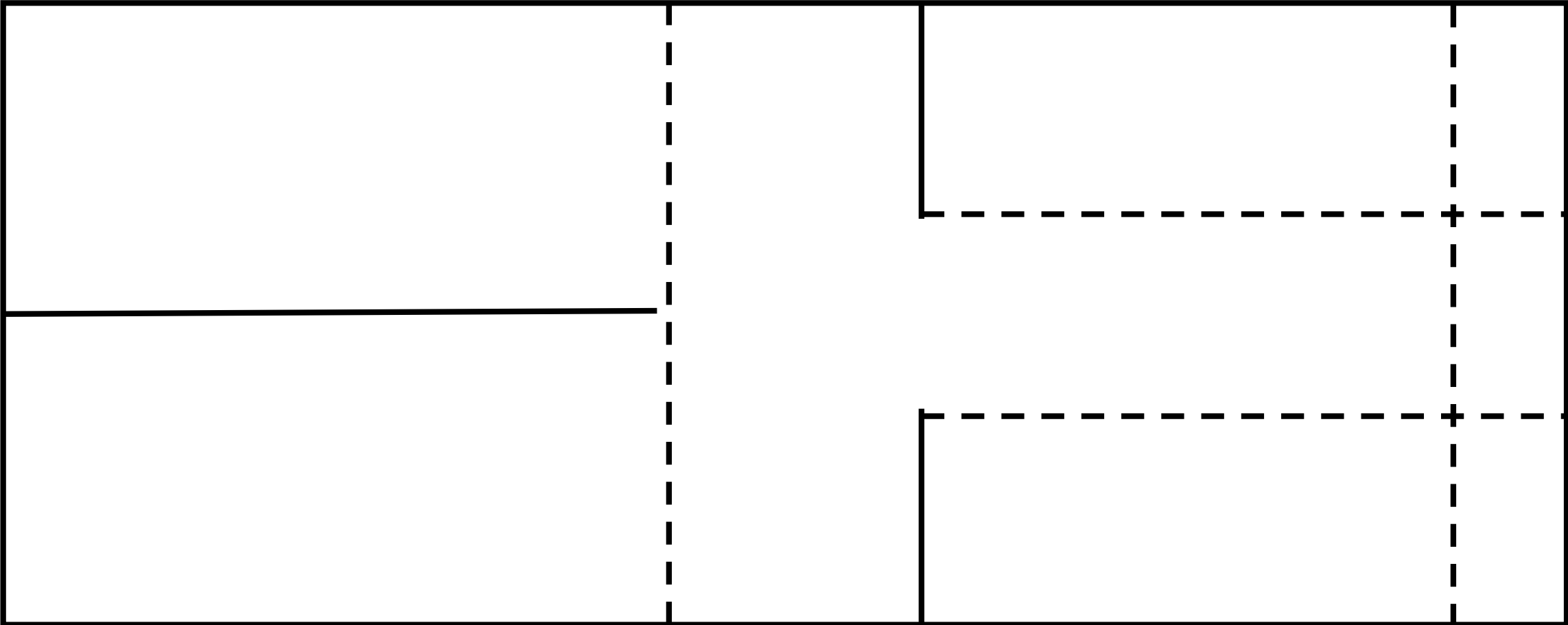
When the rotocopter falls, the air pushes up against the rotors, bending them up a little bit.

When the air pushes upward on the blade, some of the air becomes a sideways push.

Because there are two rotors and each of them get the same amount of 'push', but in opposite directions, the rotocopter will spin!



ROTOCOPTER TEMPLATE



You can colour your Roto-Copter before you make it. The colours will blur together when it spins.