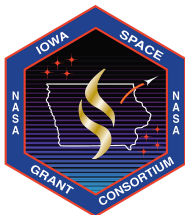


Make a Mars Helicopter



Use the QR Code to check out more STEM opportunities at [IASpaceGrant.Org](https://www.iaspacegrant.org) !

Make a Mars Helicopter

Instructions

Materials

- Plain paper OR the helicopter template
- Scissors
- Measuring Tape
- Pencil
- (Optional) 3-meter (10 foot) length of lightweight ribbon OR smartphone camera

1) Cut out the helicopter:

Cut along the dashed lines of the template.

2) Fold along the solid lines:

The propeller blades, A and B, should be folded in opposite directions along

the solid lines. The X and Y panels fold toward the center, and Z is folded upward to give the body of the helicopter rigidity and lower its center of gravity.

3) Do a test flight:

Stand up and hold the helicopter from its body. Raise it as high in the air as you can. Now, drop it. What do you observe? Which way do the blades turn? Drop the helicopter from a higher spot. What happens if you modify or add something to the helicopter?

Visit the link below for the rest of the activity. Find out how to test and modify your helicopter to make it even better!

<https://www.jpl.nasa.gov/edu/learn/project/make-a-paper-mars-helicopter/>



Make a Mars Helicopter

