



Experiment with building paper helicopters for a chance to win a DJI Mavic 2 drone

Your challenge is to make eight paper helicopters by following the instructions overleaf and note your experimental choices and decisions. Figure out how to increase flight time without jeopardising the helicopter's stability and flying capacity. There are many factors that affect flight time. To properly uncover how factors jointly affect the response, use design of experiments - a practical and ubiquitous approach for exploring multi-factor opportunity spaces. Are you up to the challenge?



HERE'S WHAT YOU HAVE TO DO

Register to download challenge instruction details, and to qualify for competition entry

Do the experiment

Share your results - submit via email. Feel free to post a photo or video of your helicopter experiment on social media [#jmphelicopter](#)



HOW TO GET STARTED

You will need:

- Download full instructions from jmp.com/helicopter
- One photocopy of the template sheet overleaf or a copy downloaded from jmp.com/helicopter
- Scissors.
- A stopwatch (a smartphone will do).
- A high place to drop helicopters from. For example, stepladders or a stairwell. We recommend a drop height of at least 2 metres.



HOW TO ENTER THE COMPETITION

Complete all tasks (for video and written instructions visit jmp.com/helicopter)

Document your findings using the report web template at jmp.com/helicopter

Submit your results online
eumarketing@jmp.com
by 12 July 2019





**Make the
helicopters:**

Cut out the 8 helicopters from the templates
(4 helicopters per page, please make 1 photocopy to get 8).

Cut on the solid lines only.

Fold on the dotted lines to create the 8 helicopters.

