

Gyrocopter homework

1. Cut along the solid black line between the two wings A and B. Fold wing A (along the dotted line) so that the red line faces upwards. Fold wing B (along the dotted line) so that the red line faces downwards.
2. Cut along the two short black lines and fold along the dotted lines, so that one side reads SCIENCE and the other side reads OPENS. Hold these folds in place with a paper clip.
3. Get an adult to hold a gyrocopters in either hand. Tell them to stretch their arms up as far as they can.
4. Make sure that the gyrocopters are at the same height. Tell the adult to drop them when you say "Go".
5. Watch to see which one reaches the ground first. Check your result by doing the test again.
6. Make a note of which was fastest and which was slowest.
7. Test the slowest gyrocopter against another design.
8. Keep a record so that you can say which of the four shapes is the fastest and which is the slowest.

If you can:

1. Find a sheet of then card, perhaps from an old cereal packet.
2. Use your paper gyrocopters to mark out four gyrocopter shapes on the card.
3. Cut out the shapes and test them as before.
4. Do you get the same results? Is the same shape the slowest?

If you enjoyed this homework:

1. Can you make a video of your adult doing the testing?!