

Tech for the Environment Homework



NAME

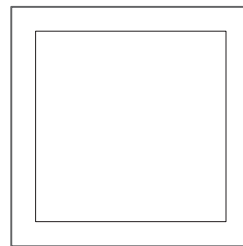
HOMEWORK DUE DATE

YOUR TASK

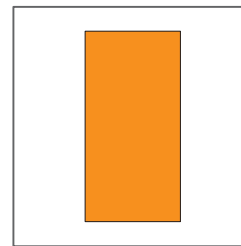
With the support of an adult at home (if needed), follow the written instructions to create a paper origami drone.

On the drone, research and record at least 2 ways drones are being used to help the environment.

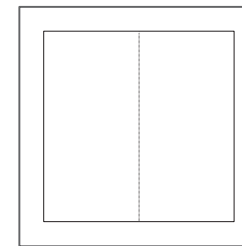
HOW TO MAKE AN ORIGAMI DRONE THAT FLIES BACK TO YOU



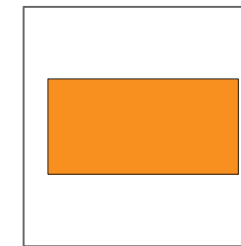
1. Place sheet colour side down



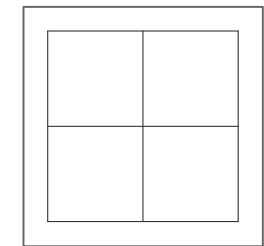
2. Fold in half vertically



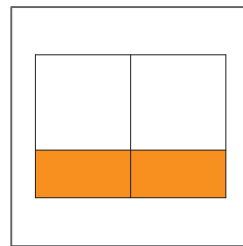
3. Unfold to flat



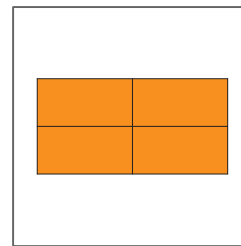
4. Fold in half horizontal



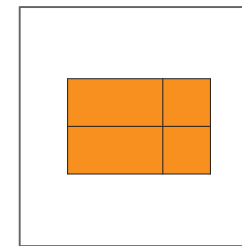
5. Unfold to flat



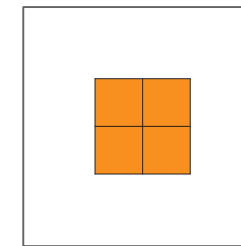
6. Fold horizontal half in half to make a quarter



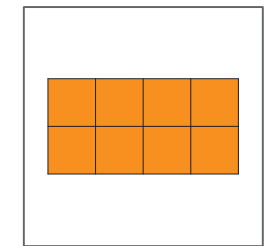
7. Repeat with other side



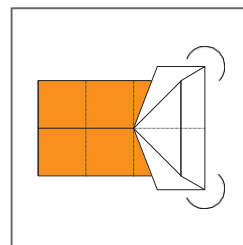
8. Fold vertical side in half to make a quarter width



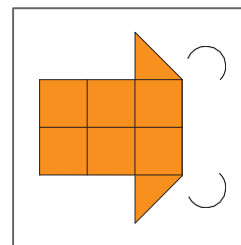
9. Repeat with other side



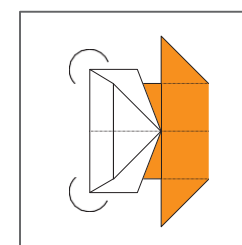
10. Unfold the sides



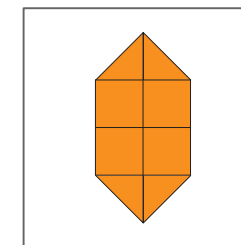
11. Push up edges...



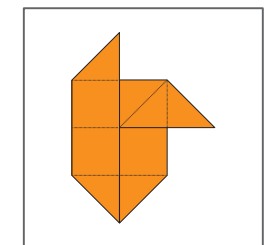
12. ...and over like so



13. Repeat action 11 with other side...

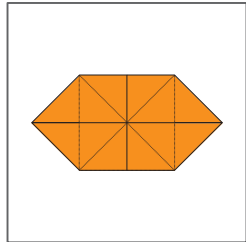


14. ...to look like so

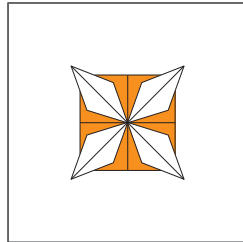


15. Fold down to panel like so...

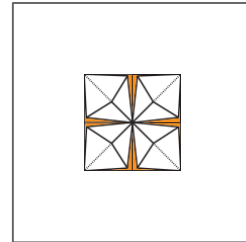
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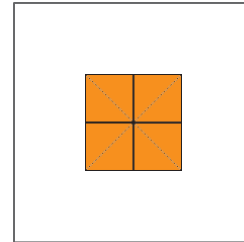
16. ...and repeat with the other corners



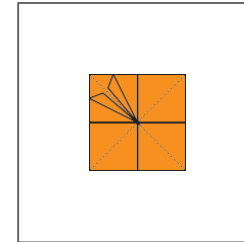
17. Push up inner edges



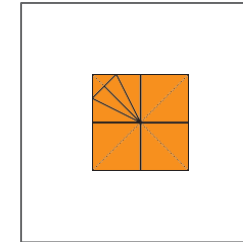
18. ...so edge folds...



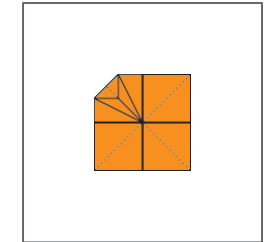
19. ...down to look like this.



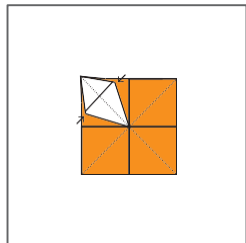
20. Fold edges in towards diagonal...



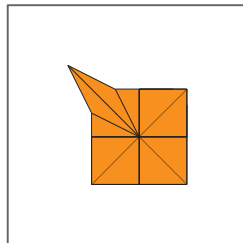
21. ...until it looks like this



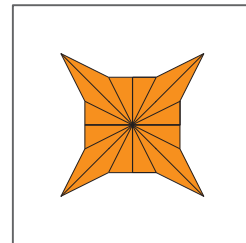
22. Fold corner flap down



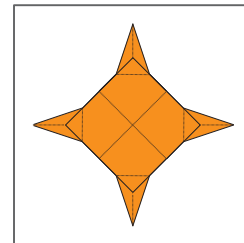
23. Unfold. Then push edges in to centre...



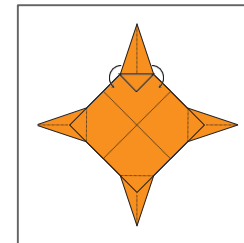
24. ...pushing flat so it looks like this



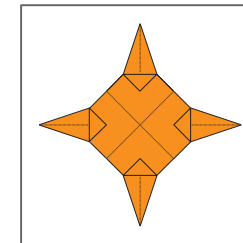
25. Repeat steps for other corners



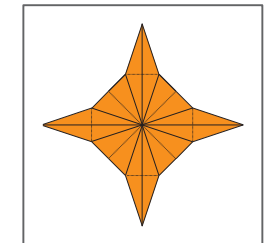
26. Turn over



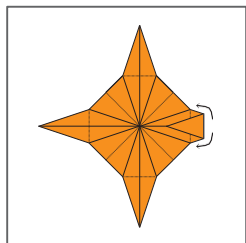
27. Fold tab down...



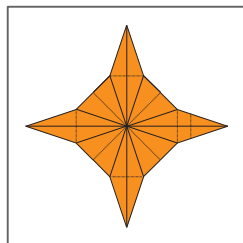
28. ...and repeat on other corners



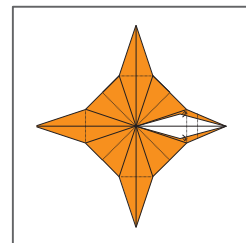
29. Turn back over



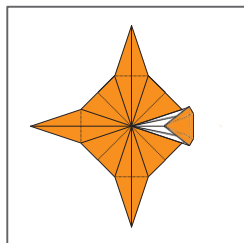
30. Fold edge in roughly 2/3rds over



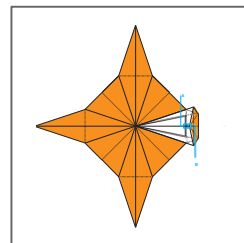
31. Unfold



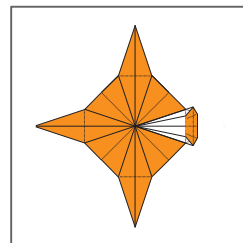
32. Push edges out from the centre to look like this



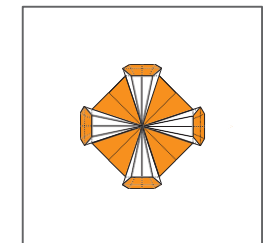
33. Fold down like this...



34. ...then push back and slide (B) under the edge revealed (A)

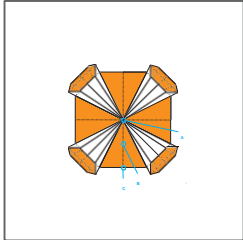


35. Fold down to panel like so...

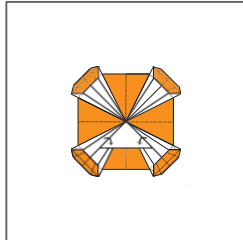


36. ...and repeat with the other corners

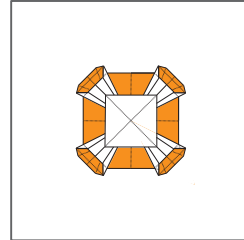
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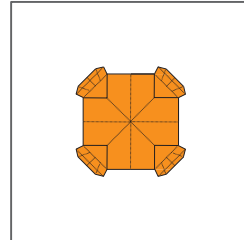
37. Take point (A) and fold down to (C)...



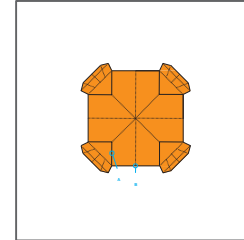
38. ...by pushing under point (B) to look like this



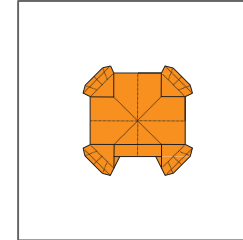
39. Repeat for the others



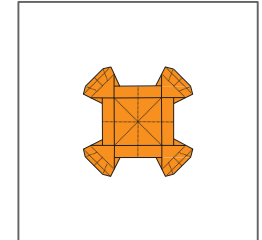
40. Turn over



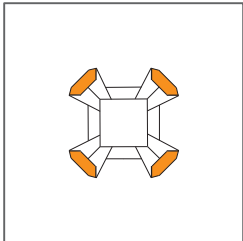
41. Lift (A) and fold in (B)...



42. ...to look like so



43. Repeat with the others



44. Turn over to show final drone

Throwing advice:

In general, the drone will fly successfully if it is held and thrown at 20° to 30°.