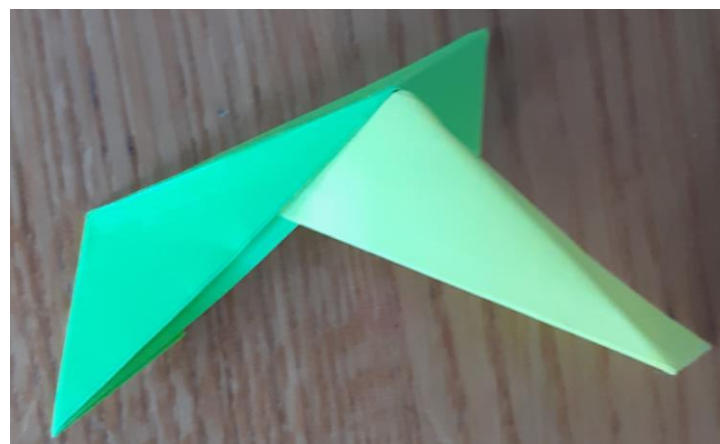
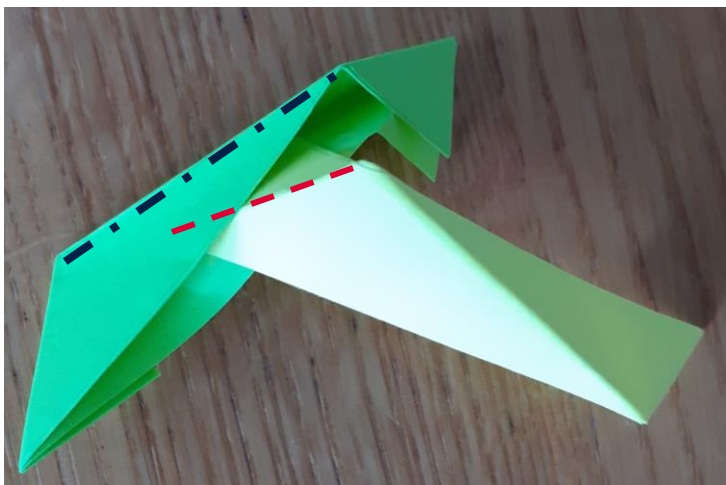


Building the Dodecahedron

- These are the instructions for stage 2 – building the dodecahedron once you have your 30 pieces.

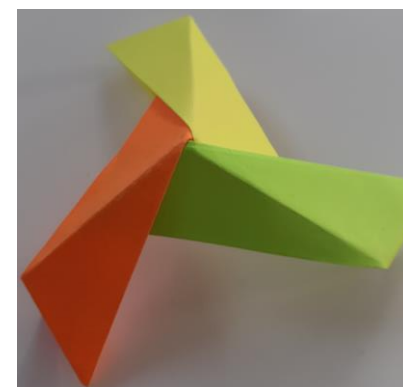
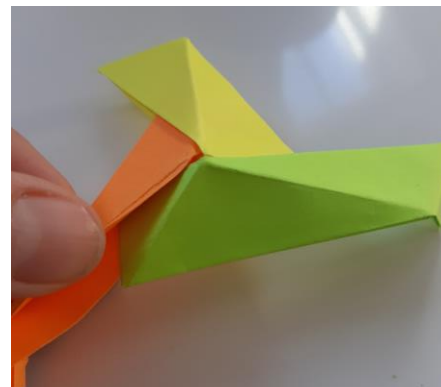
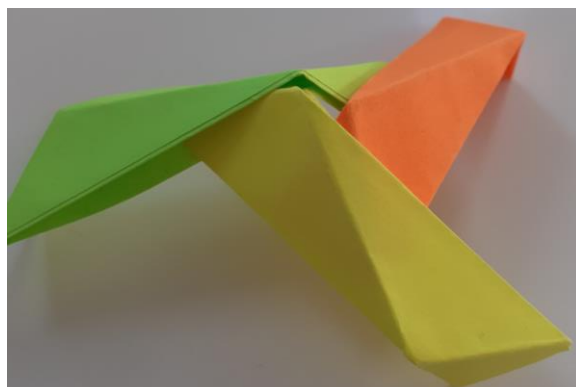
Step 6

- Make a vertex.
- Take two pieces (of different colour).
- Open the flap, and slide the piece in.
- The two edges highlighted should tuck in next to each other.



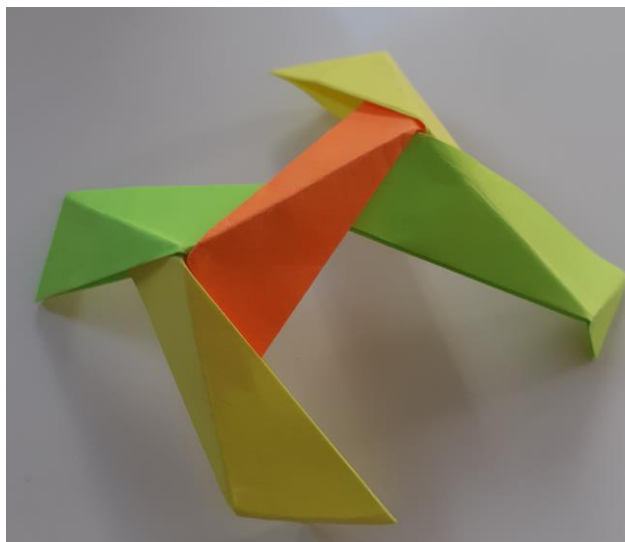
Step 7

- Take a piece of the third colour.
- Slide the piece in to the piece that you had tucked in to the first piece
- Tuck the small triangle from the first piece in to the piece you have just attached, so they are all linked together.



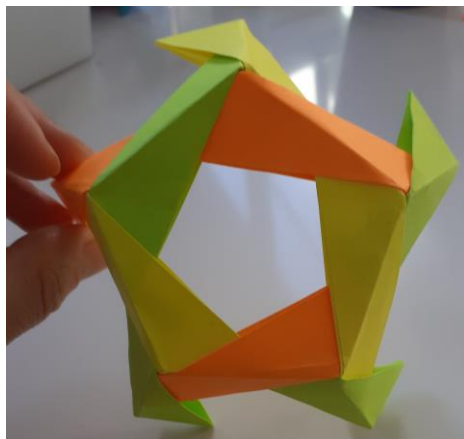
Step 8

- When assembling the pieces, it is most stable if when connecting the pieces you do a vertex at a time. If you are using the colour diagram, refer to it to work out what colours to connect.
- Using your piece as the start, connect a third edge to a pentagon, then turn that in to a vertex by adding your fifth piece.



Step 9

- Continue round, adding a vertex at a time until you end with a pentagonal face, making sure that each vertex has 3 pieces to ensure stability.



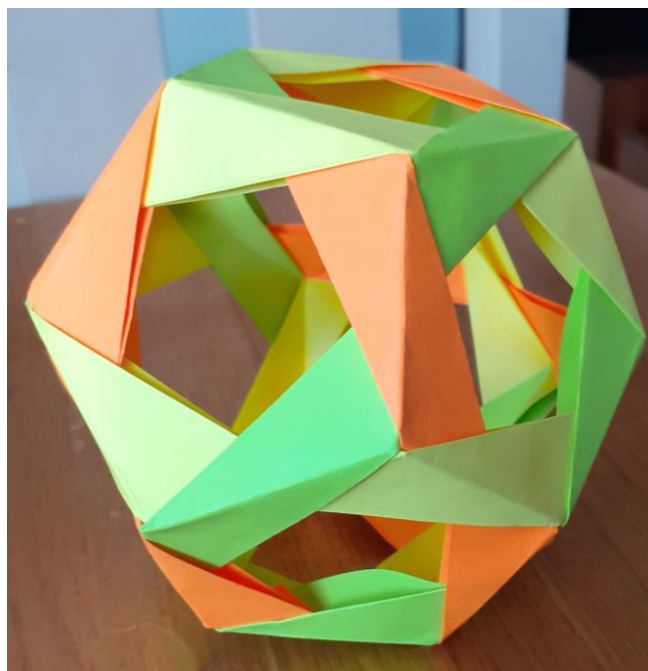
Step 10

- Continue building, referring to your colour diagram if needed.
- Keep building a face at a time to ensure stability

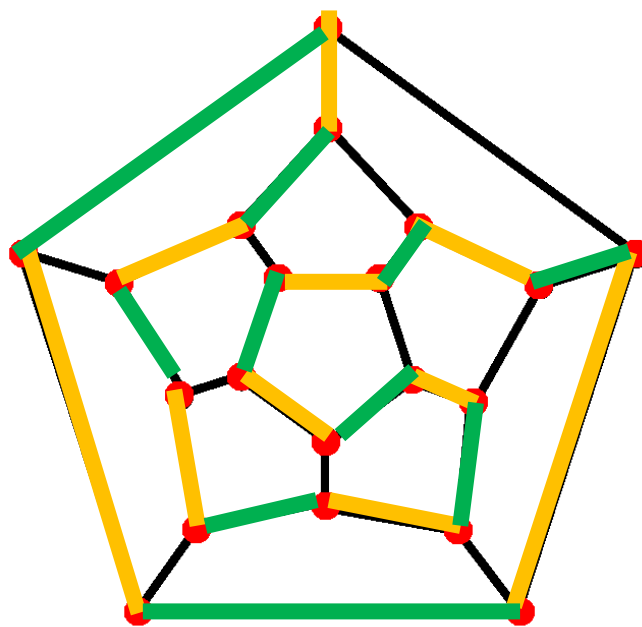


Finished!

- You have finished your dodecahedron!
- You can gently loop some string around an edge to hang it up, should you wish



A possible solution



If you are stuck – try using this diagram to help...
 more information is in the [Origami Dodecahedron - Graph Theory File](#)