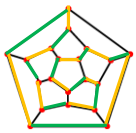
Slide 1	**Building the Dodecahedron** ▪ These are the instructions for stage 2 – building the dodecahedron once you have your 30 pieces.	
Slide 2	**Step 6** ▪ Make a vertex. ▪ Take two pieces (of different colour). ▪ Open the flap, and slide the piece in. ▪ The two edges highlighted should tuck in next to each other. 	You need to make sure that the small triangle 'turns the corner' over the edge so the two folds align.
Slide 3	**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. 	
Slide 4	**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. 	
Slide 5	**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. 	
Slide 6	**Step 10** ▪ Continue building, referring to your colour diagram if needed. ▪ Keep building a face at a time to ensure stability 	

Slide 7	amsp MEI **Finished!** ▪ You have finished your dodecahedron! ▪ You can gently loop some string around an edge to hang it up, should you wish 		There are many other origami shapes you can make using a variety of edge modules – YouTube has a variety of projects, including a Menger Sponge.
Slide 8	amsp MEI **A possible solution**  If you are stuck – try using this diagram to help… more information is in the Origami Dodecahedron - Graph Theory File		