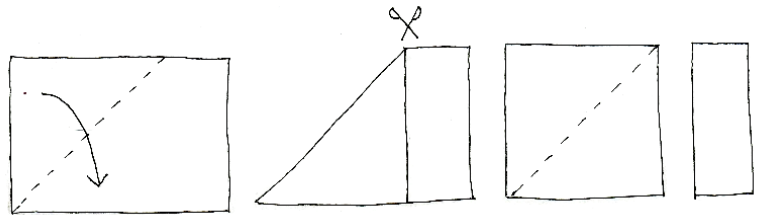
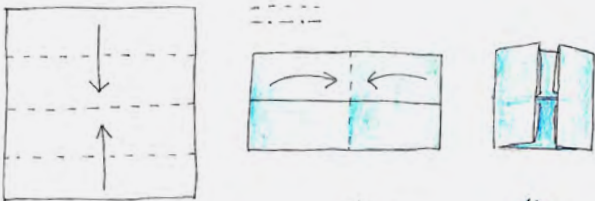


# ANTIBODY AND VIRUS ORIGAMI ACTIVITY SHEET

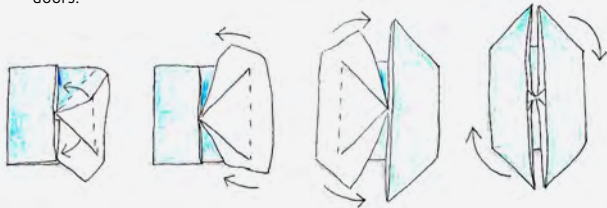
To make a square from A4, take a top corner down to line up with the bottom to make a sharp point and remove the rectangle.



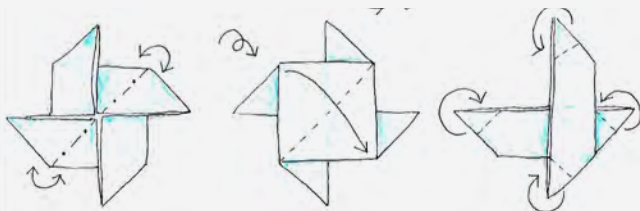
## Antibody origami



- 1 Fold your square in half, open it and fold the outsides to meet the line you created, like double doors.
- 2 Keeping the 'doors' closed repeat again – fold in half, open & bring outsides to the middle to make a square.

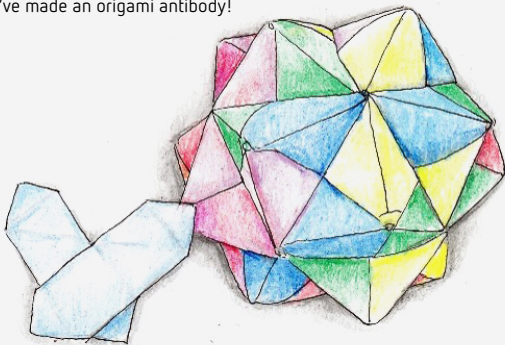


- 3 Open one door and make two diagonal folds from the centre of the inner square to the corners. Flatten down to make points. Repeat on other side.
- 4 Fold over opposite points to make a 'windmill'.

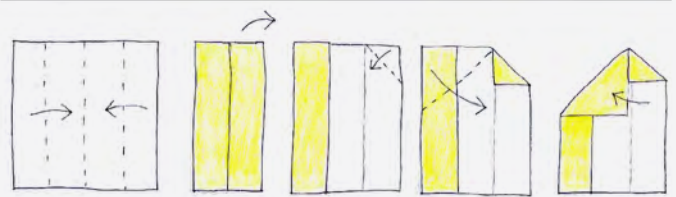


- 5 Turn the 'windmill' over to the smooth square. Fold along the diagonal and flip out the top and bottom 'windmill' arms to make a 'Pac man'.
- 6 Crease the four points, open them up and tuck into the pocket between the folds.

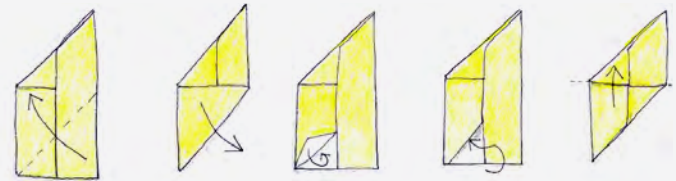
7 You've made an origami antibody!



## Virus origami



- 1 Fold your square in half, open and fold the outsides to the middle, like double doors.
- 2 Open the right 'door'; fold the top right corner down to the quarter crease to make a triangle.
- 3 Bring the left 'door' down to meet the triangle and close the right side.

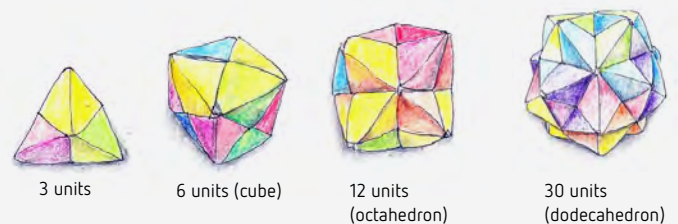
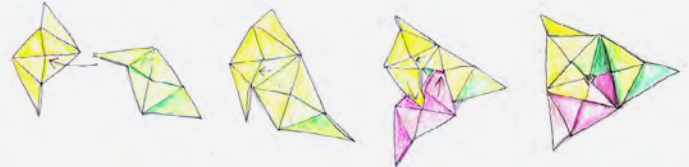


- 4 Bring the bottom right corner to the line.
- 5 Open and a 'tongue' appears - tuck it underneath.
- 6 Take the bottom right and slide it under.
- 7 Fold up to make 'bunny ears'.



- 8 Take the smooth side and fold the top point down.
- 9 Turn over and repeat.
- 10 Open to reveal a zig-zag shape with two pockets in the middle. You have made one unit for building!

You can now get building! The point of one will plug into the pocket of the next. 3 units connect to form a strong triangle.



Different numbers of units create different shapes. Many viruses look like the final one with pentagons on each side.