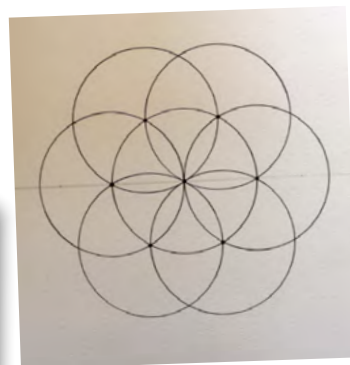


BES Science Challenge - Constructing a Knot from a Seed of Life

For this construction you will need to
work on a piece of A4 paper
in portrait.

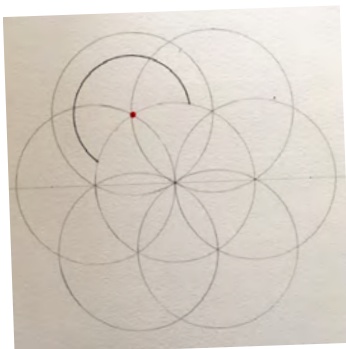
Step 1 – Start with a seed of life made up
of seven circles of radius 4 cm.

1

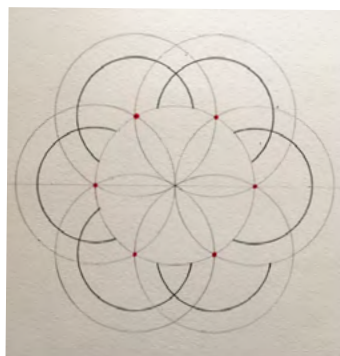


Step 2 – Set compasses to a radius of 3 cm and with compass point on red intersection point, draw in an arc.

2



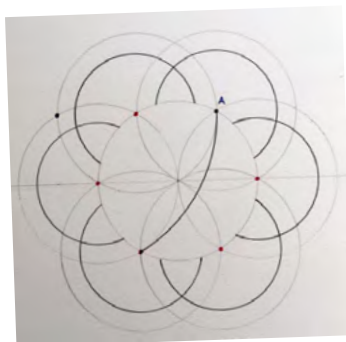
Step 3 – Keeping compasses at same radius, add arcs from each of the red intersection points.



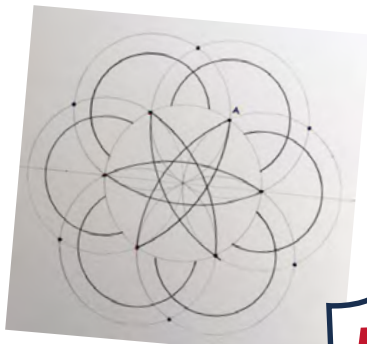
3

Step 4 – With compass point on the blue intersection point, open to point A and draw in arc shown.

4

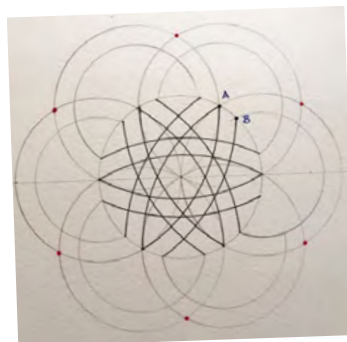


Step 5 – Keeping compasses at same radius, add arcs from each of the blue intersection points.



5

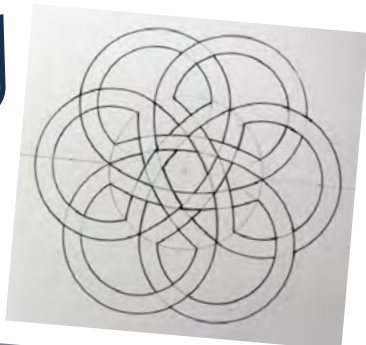
Step 6 – Using the same intersection point as step 4, open up the compasses to point B and draw an arc. Repeat from all intersection points.



6

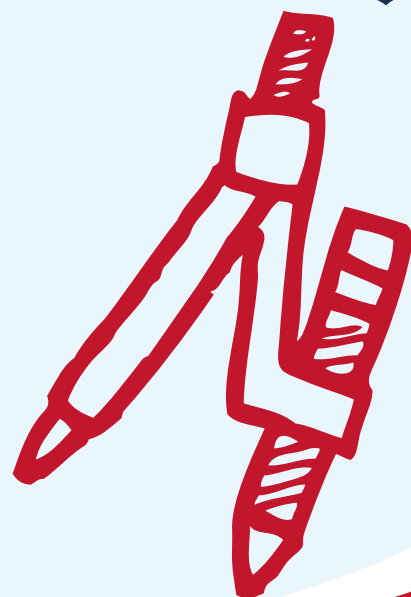
Step 7 – Outline the knot in pen as shown, either by hand or using a pen in your compasses.

7



Step 8 – Colour in your knot using pencils or fineliners!

8



**BRIDGNORTH
Endowed**