

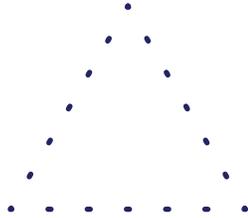


# DIY Spiro Art

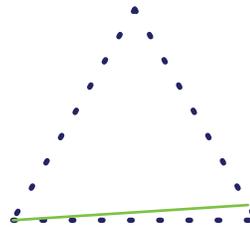
Children can make fun Spirograph Art from home with items found around the home! By noticing patterns found in the designs, children will develop mathematical and scientific intuition.

## INSTRUCTIONS:

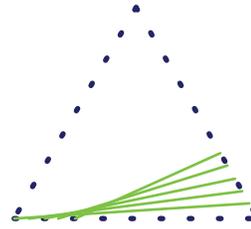
1. Print out or draw a dotted triangle pattern.



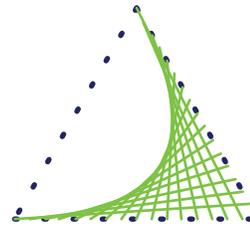
2. Draw a line from the bottom left corner dot to the dot one up from the opposite corner.



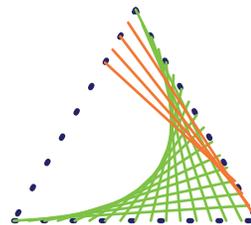
2. Move to the next dot over and draw another line connecting it to the opposite side.



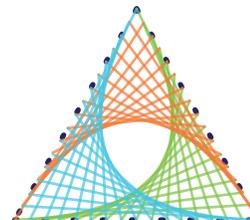
3. Continue moving along the triangle until you reach the other edge.



4. If you'd like, change colors and continue in the same direction as before.

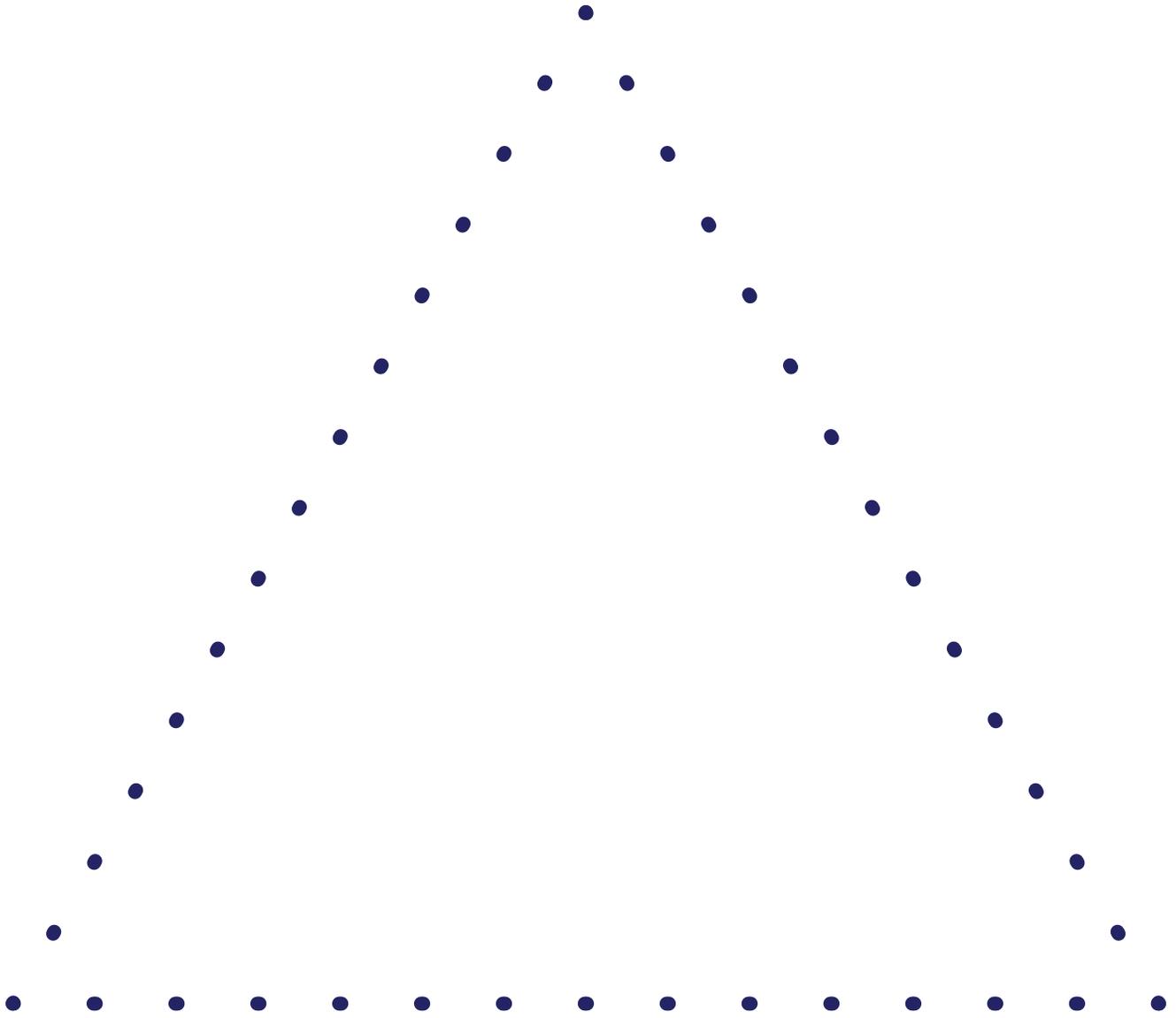


5. Continue all the way around the triangle until you return to the first dot and enjoy your fun spiro art!



## YOU'LL NEED:

Ruler  
Pens/Colored Pencils  
Dotted Pattern



# How to Draw an Equilateral Triangle at Home

## YOU'LL NEED:

Ruler  
Paper  
Pencil with Eraser  
Circular Object (dinner plate, CD, etc.)  
Pens/Colored Pencils

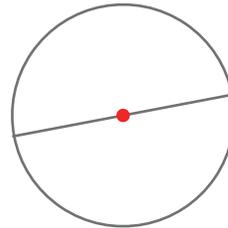


## INSTRUCTIONS:

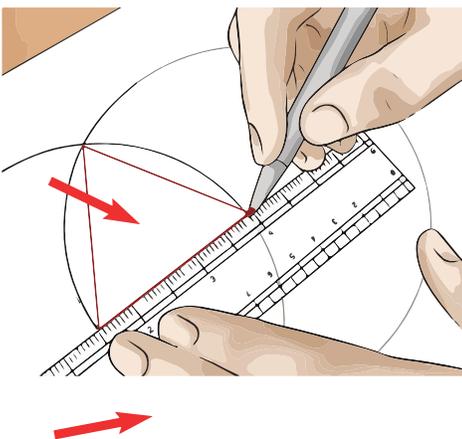
It is best to draw this with a pencil so that you can erase!

1. Place a dinner plate upside down on a piece of paper and trace along the edges to draw a perfect circle.

2. Using a ruler, draw a line straight through the center of the circle from edge to edge. Use your ruler to measure this line (diameter) and mark the halfway point to find the center of the circle.

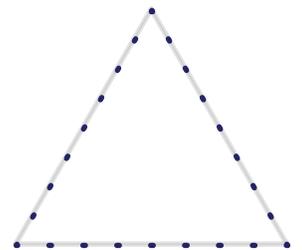


3. Trace a second arc with the bowl so that the edge touches the center mark.



4. Draw a line connecting where the two arcs meet to draw the remaining sides of the triangle.

4. Erase the extra lines and circles and you have a perfect equilateral triangle!



5. Now you can use your ruler to measure out equal points along the edges to use for your spirograph art.

