INSTRUCTIONS TO BUILD YOUR VERY OWN

scienceseeds

STRING ART HOOPS KIT

BACKGROUND

Inspired by activities from the Museum of Mathematics, this kit turns simple hoops into a canvas for creativity. Thread string from hole to hole, always counting the same number of holes, to make striking geometric designs. The number you choose decides whether your pattern is simple or wonderfully complex.

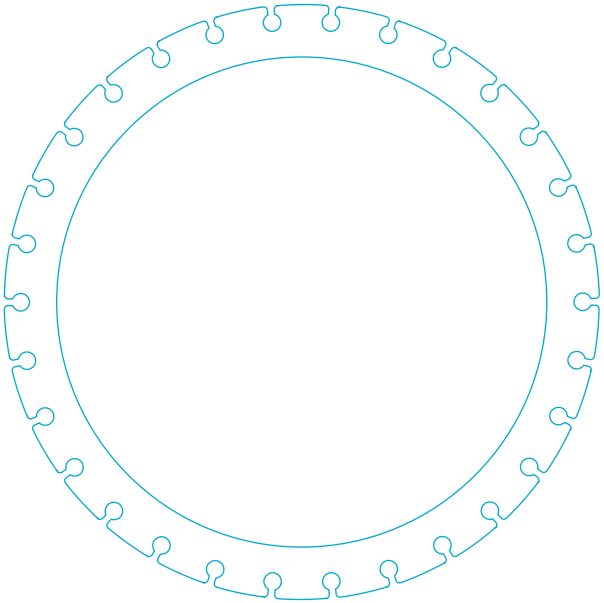
Perfect for kids and adults alike, string art builds counting skills and hand coordination while sparking creativity. For a different twist, use a hoop as a loom and weave colorful designs inside.

PREP

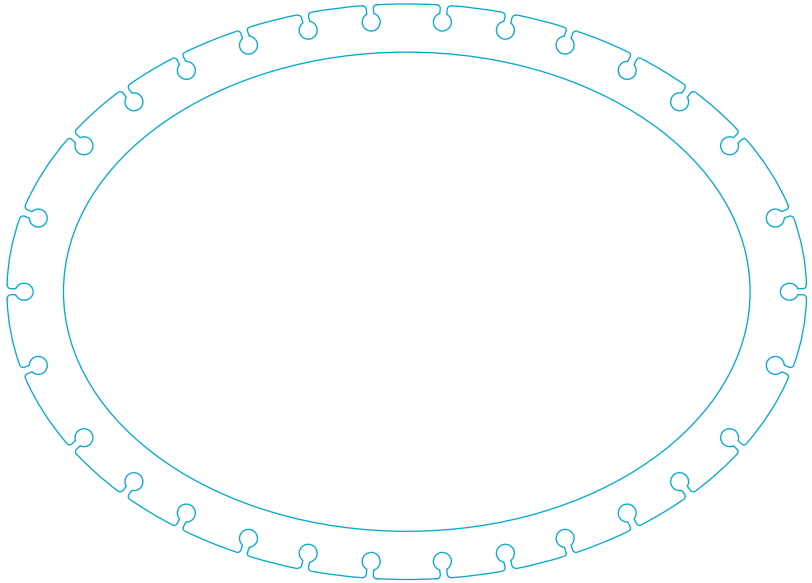
- Lay out your pieces so you can find them easily.
- Decorate the hoops with markers or paint. Coloring them before you add the string is easiest.
- Use the skeins in your kit, or your own yarn or wool.
- For math activities, number the holes, starting at 0 (step 1).
- Scan the QR code for 17 patterns, from easy to expert, each shown step by step.

PARTS INCLUDED IN THIS KIT

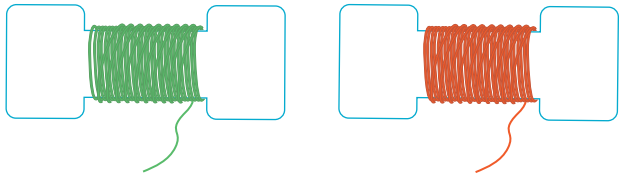
A1



A2



B



A1 Circular hoops (x3 or x5)

A2 Elliptical hoops (x5)

B String skeins (x3 or x6)

Your kit has circular or elliptical hoops.

Scan for interactive instructions

TRY THESE PATTERNS

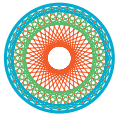
There are countless patterns to string. Here are a few favorites, with step-by-step instructions in our interactive guide.



Little Star
Easy



Sunburst
Medium



Rainbow Tunnel
Medium



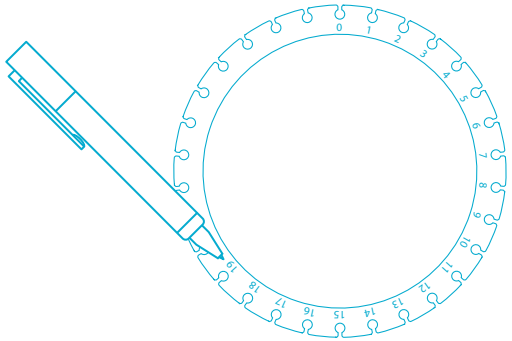
Heart Curve
Hard



Mystic Rose
Expert

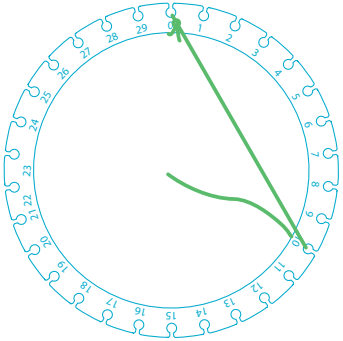
NUMBER THE HOOP

1. Number the holes around the hoop, starting at 0.



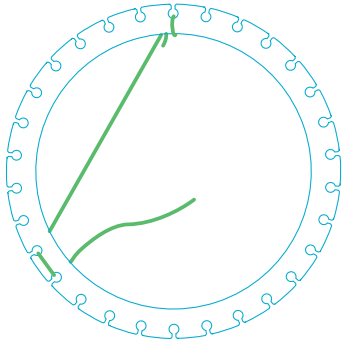
START STRINGING

Front side view

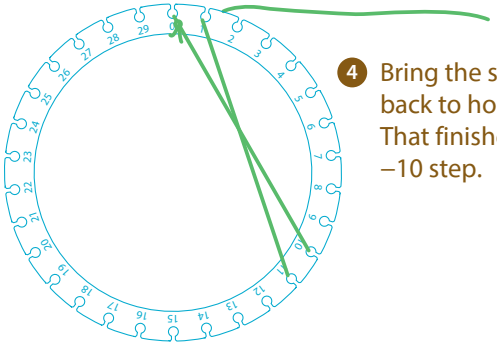


2. Start at hole 0. For a +10 pattern, count 10 holes and pull the string through hole 10.

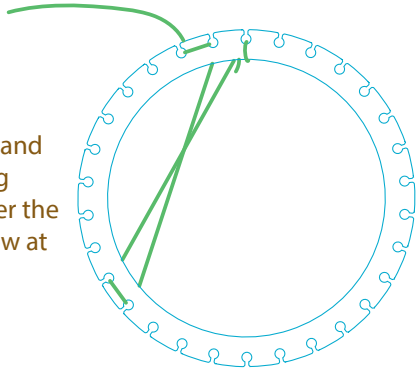
Back side view



3. Flip the hoop over. Loop the string over and under the tab, then flip the hoop back.

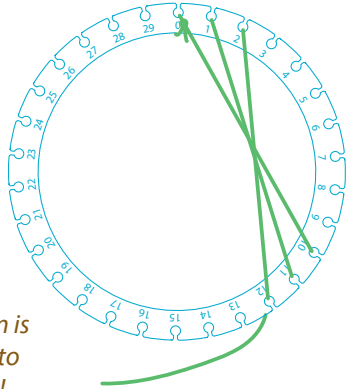


4. Bring the string back to hole 1. That finishes the –10 step.



5. Flip the hoop and loop the string over and under the tab. You're now at hole 2.

6. Go +10 to hole 12. Flip the hoop and move to hole 13, then go –10 back to hole 3.

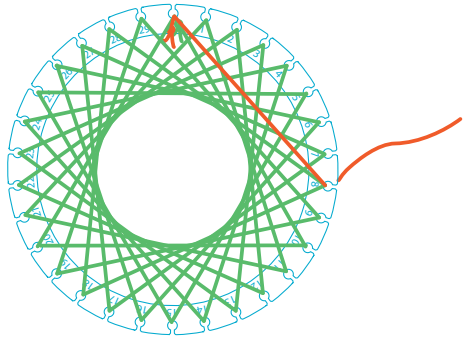


Your design is beginning to take shape!

FINISH YOUR DESIGN

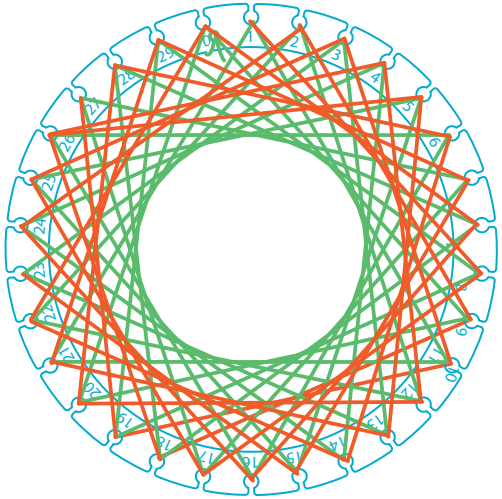
7. Keep going until you are back at hole 0. Stop after one full circle.

8. Change the string color and try a new pattern, like +8/–8, or make up your own.



CONGRATULATIONS

YOU DID IT!



Additional kits are available at
www.scienceseeds.com/shop