

STOP! You can only do this badge after you did a paper and pencil activity with me first. If you have not yet completed “Sphero Geometry Thinking Page” yet, then put this away and get the paper from me.

You are now ready to code shapes using your Sphero.

Important: You MUST save all of your code. You will need it for the **Sphero Paint Party** 🎨

Your Mission

Let’s see if you learned the pattern to make shapes work. Use what you learned from the Thinking Page to create:

- Equilateral Triangle
- Square
- Equilateral Pentagon

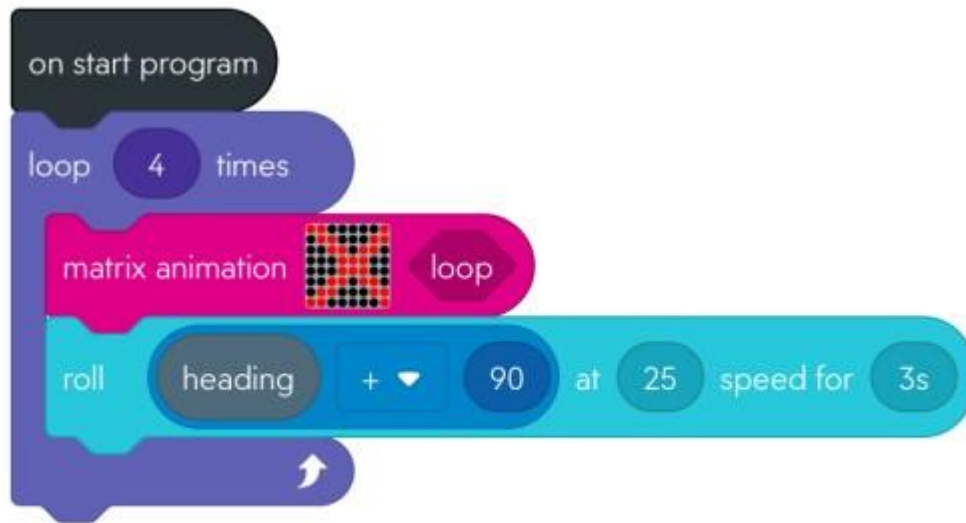
Your Process

For EACH shape:

1. **Predict** your angle.
2. **Code and test** your Sphero.
3. **Fix it** if it doesn’t work.
4. **Save your code.**
5. **Prepare.** When you show me your working code, you need to be prepared to explain WHY your code works.

One wrinkle in the plan... I want you to take the code from Sphero 3 and manipulate it each time to make your shape codes.

Question for you... What happens when you multiply your “magic number” by the number of sides?



Once you have successfully completed a shape, come show me so I can celebrate with you.

