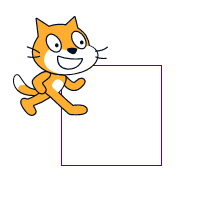
Loop Activity

Scratch can be used to make some very cool art. Today, we’re going to combine using the pen extension, move, and repeat to make shapes. For example, the script below draws a square.

A screenshot of a phone

Description automatically generated

-- *yields* ->

In particular, notice that:

* We do our “initialization” (details up to you)
* In the “loop” we only do simple moves and turns

Assignment:

Using repeat, try to draw the following shapes. Each time you complete a shape, **move the program into the “backpack”**, and then start a new piece of code.

* 1. Equilateral triangle
  2. Pentagon
  3. Hexagon
  4. Octagon
  5. Five-pointed star
  6. A cool shape of your own that has a repeat 100 loop in it
  7. A cool shape of your own that has a loop in a loop 🤯:
  8. Make this shape:

A line of blue rectangles

Description automatically generated

* 1. A blue line drawing of a hexagon

     Description automatically generatedMake this shape:
  2. Make this shape (hint: you continually return to the middle)

A blue hexagon with white lines

Description automatically generated

* 1. A blue and white triangle pattern

     Description automatically generated with medium confidenceMake this shape (hint: you need to use both the pen up and pen down blocks):

Bonus 1: Make this shape (hint: using a goto block **in** the loop will help)

A blue flower with pointed petals

Description automatically generated with medium confidence

Bonus 2: Make this shape (hint: you need to use the change pen color by block)

A colorful squares in a circle

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