

This worksheet is part of a series of TurtleStitch resources, created by WMG Outreach at the University of Warwick to promote the use of TurtleStitch in schools. It supports cross-curricular projects, linking maths, computing and design and technology.

Basic Skills: A set of videos and worksheets to get started with TurtleStitch.

Maths Resources: Videos, worksheets, and lesson plans for primary school students in years 5 and 6.

From Pattern to Code: short recipe videos that show a pattern and the code to create it.

Emerging Patterns: exploring patterns that emerge through drawing lines and using repetition.

Stitch in Time: Four lesson plans for primary children in years 5 and 6, originally created for Coventry City of Culture 2021.

Website: www.warwick.ac.uk/turtlestitch

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TurtleStitch Code Errors

Can you spot the error and fix the code?

```

reset
running stitch by 10 steps
repeat 3
  move 100 steps
  turn 60 degrees
  
```

1. Stitch the outline of an equilateral triangle.

```

reset
running stitch by 10 steps
repeat 10
  move 100 steps
  turn 90 degrees
  
```

2. Stitch the outline of a square.

```

reset
running stitch by 10 steps
repeat 8
  move 100 steps
  turn 45 degrees
  
```

3. Stitch the outline of a hexagon.

```

reset
running stitch by 10 steps
arc radius: 100 degrees: 365
    
```

4. Stitch the outline of a circle using the arc command.

```

repeat 4
  move 100 steps
  turn 90 degrees
running stitch by 10 steps
reset
    
```

5. Stitch the outline of a square.

```

reset
running stitch by 10 steps
repeat 6
  move 200 steps
  turn 144 degrees
    
```

6. Stitch a star shape.

```

reset
running stitch by 10 steps
arc radius: 100 degrees: 90
turn 180 degrees
arc radius: 100 degrees: 90
    
```

7. Stitch a petal shape.

```

reset
running stitch by 10 steps
turn 45 degrees
move 200 steps
turn 90 degrees
move 200 steps
arc radius: 100 degrees: 180
turn 90 degrees
arc radius: 100 degrees: 180
    
```

8. Stitch a heart shape.

```

reset
set size to 100
running stitch by 10 steps
repeat 15
  move size steps
  turn 120 degrees
  change size by -5
    
```

9. Stitch a triangle spiral that gets larger.