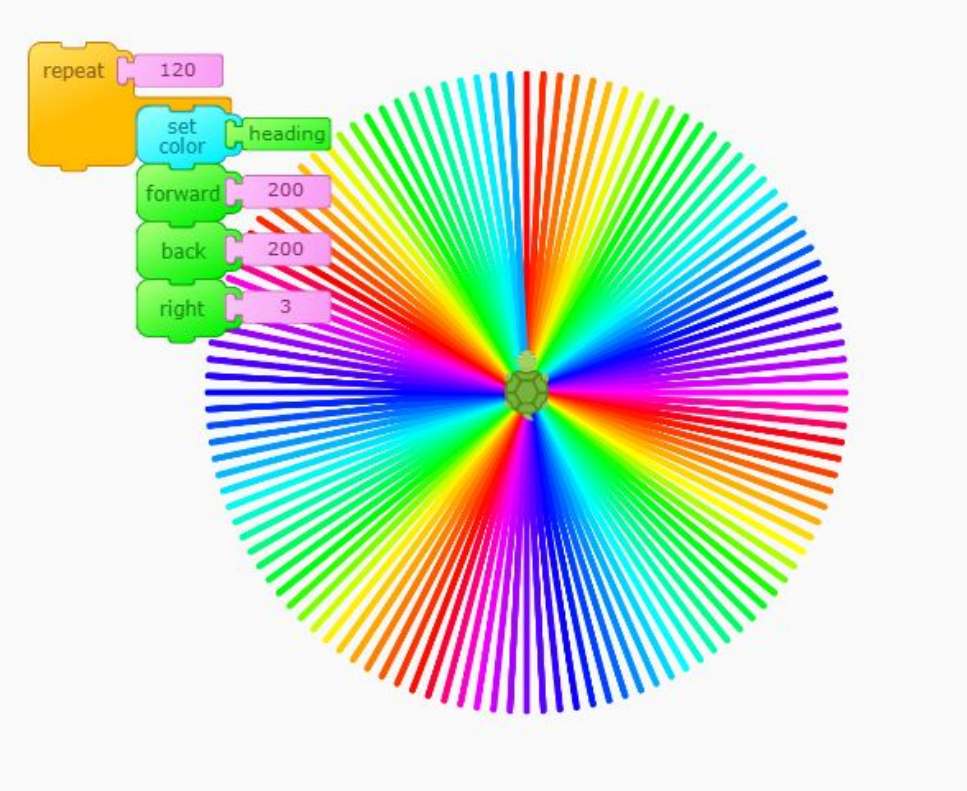
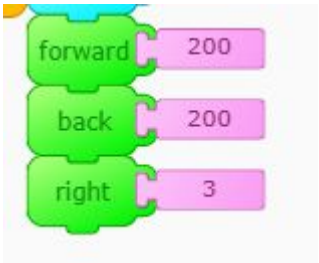
Digital Quilt
TurtleArt Project Starters

TurtleArt Project Starter

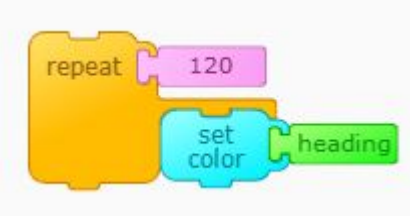
Beginner: Rainbow Circle



The turtle walks 200 steps **forward** then 200 steps **back** to create a straight line and return to the center.



The turtle will then rotate **right** by **3** degrees to face the right direction to draw the next line.



Set the color for each line to "**heading,**" which is equal to the current direction the turtle's head is facing.

Repeat everything 120 times to make a full circle, and each time the turtle walks out from the middle, the pen color will change based on the turtle's direction.

TRY THIS!

- Add some **wait** blocks into your **repeat** so you can watch the turtle draw.
- Change the number on the **right** block to make more or fewer lines.
  - You'll have to change the number of repeats as well!
- Experiment with adding some math (pink) blocks onto the "heading" block, and see how the colors change.

KID
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