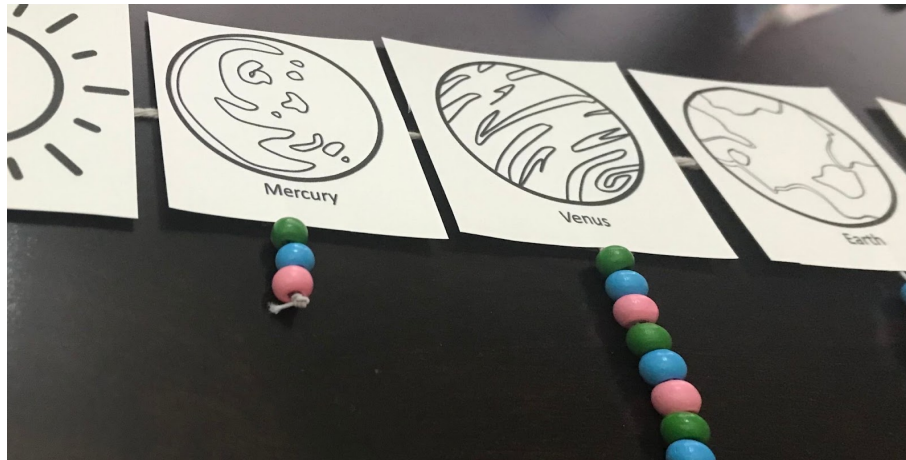


## Solar System Scale Activity



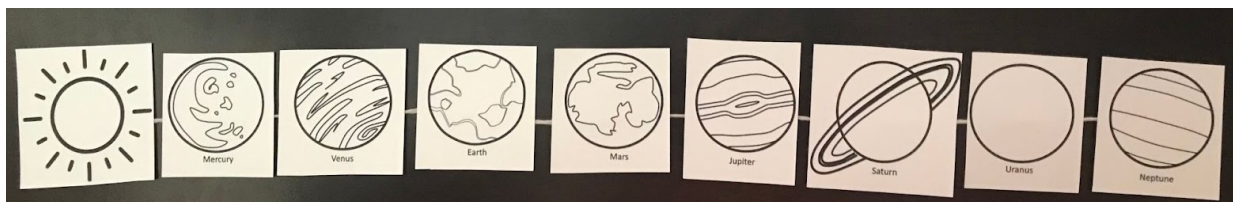
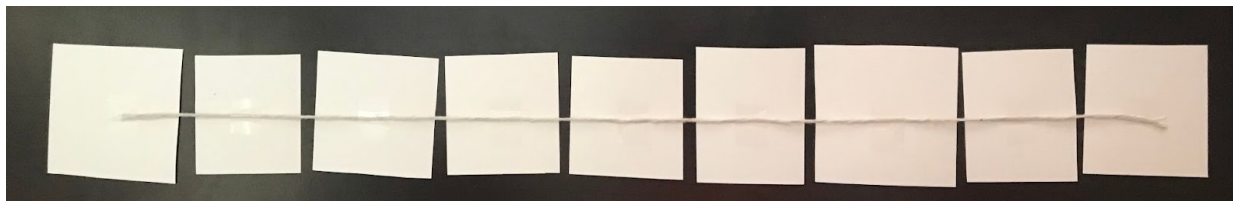
### Materials:

- Labeled Planet Baggies
  - Each Baggie includes:
    - Planet
    - A short piece of yarn
    - A specific amount of beads
- Long piece of yarn
- Crayons
- Tape
- Pencil

### Instructions:

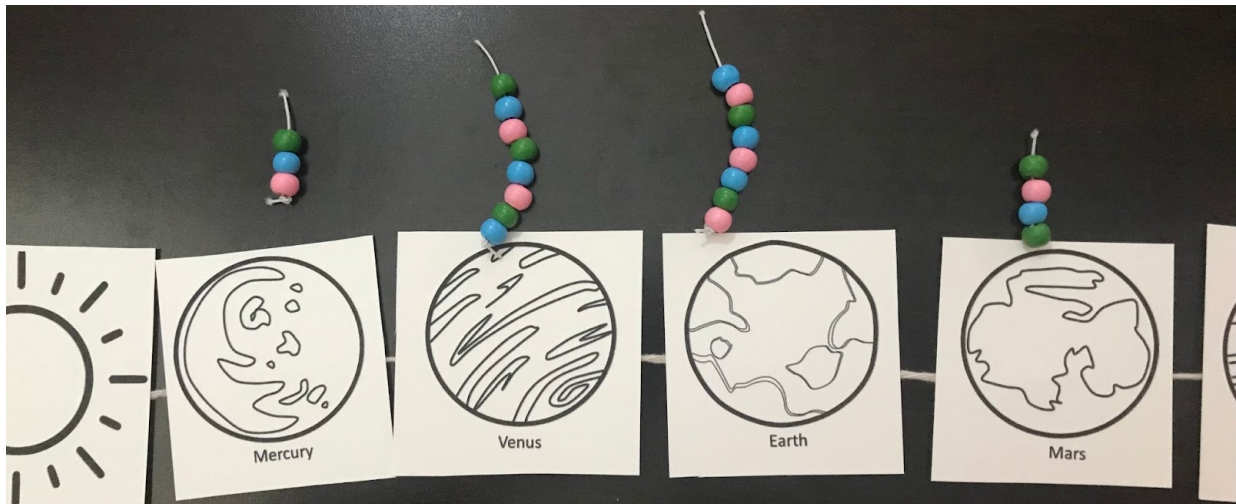
**Step 1:** Color your planets using the crayons.

**Step 2:** Place all the planets in order and tape them on the yarn that isn't in a baggie as shown below:

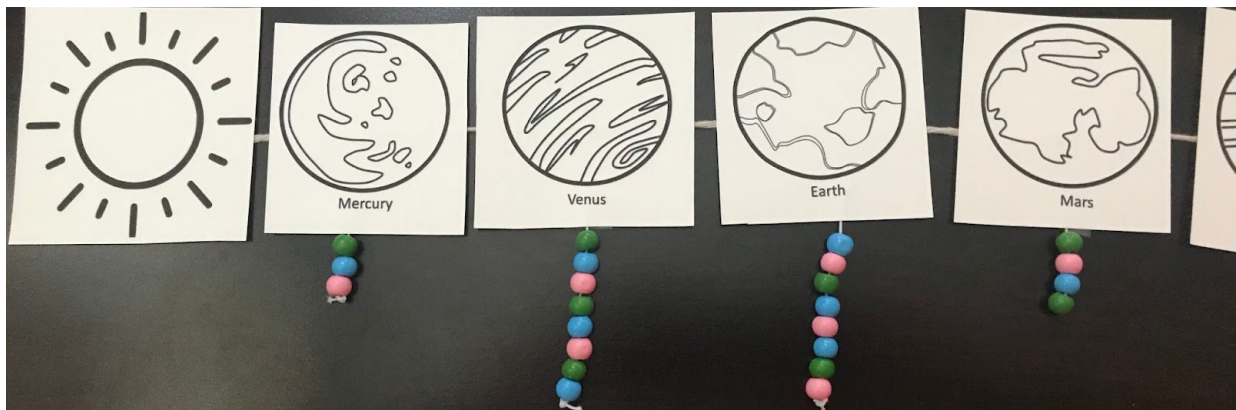


Planets' order: Sun, Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune

**Step 3:** For each planet (other than the sun), open the planet's baggie and take out the yarn and beads and assemble the beads on the yarn for each planet as so:



**Step 4:** Tape the end of the yarn without the knot onto the back of each planet depending on the label of the baggie as so:





**Bonus:** Count the amount of beads on each string and find out the diameter of the planet based on the table:

Planet	Amount of Beads	Conversion Metric	Diameter of Planet
Sun		1000 miles per bead	
Mercury		1000 miles per bead	
Venus		1000 miles per bead	
Earth		1000 miles per bead	
Mars		1000 miles per bead	
Jupiter		1000 miles per bead	
Saturn		1000 miles per bead	
Uranus		1000 miles per bead	
Neptune		1000 miles per bead	