

Spin Art Challenge

Create a robot that can spin paper discs to create spin art!

Think like an engineer:

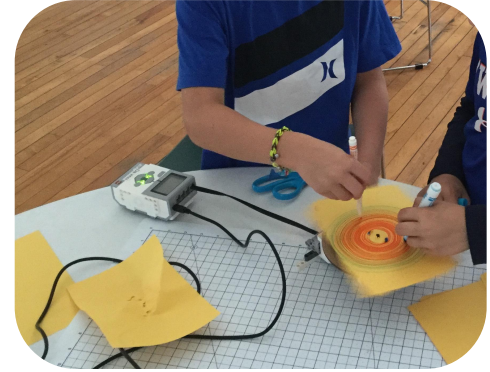
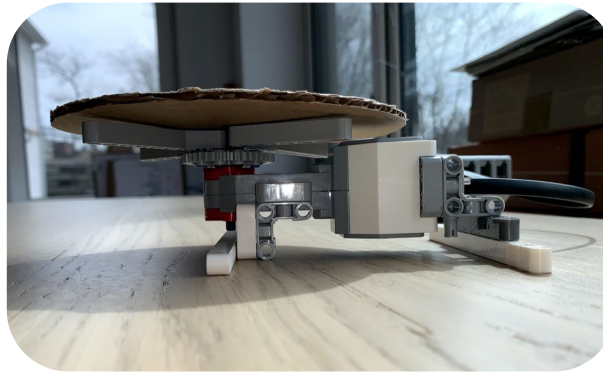
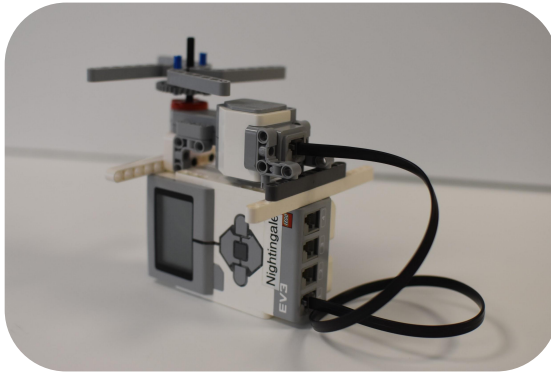
How will gearing ratios impact the final spin-art product?

Think like an artist:

How can you create a unique pattern?

Sample Ideas

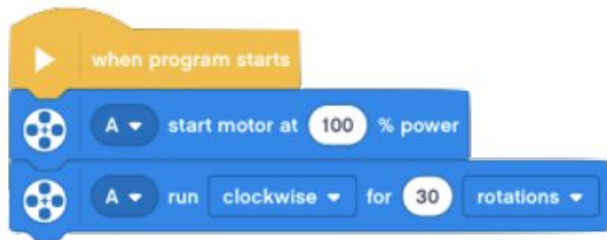
Feel free to come up with something totally different!



Partner Pattern Creator

With a partner, choose two different colors and decorate a plate at the same time.

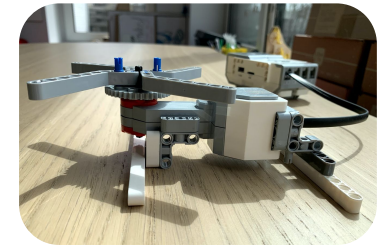
See what kind of multi-colored patterns you can create!



Benham Disc

Check out the Benham Disc:

https://en.wikipedia.org/wiki/Benham%27s_top



Try adding a gearing system to your robot to make it spin faster!



Print out “Benham discs” and see what happens when you spin it slow. What happens when you spin it really fast?

Come up with a hypothesis for what you are seeing!