Movement

Want to make edits? Make a copy first! Learn more here.
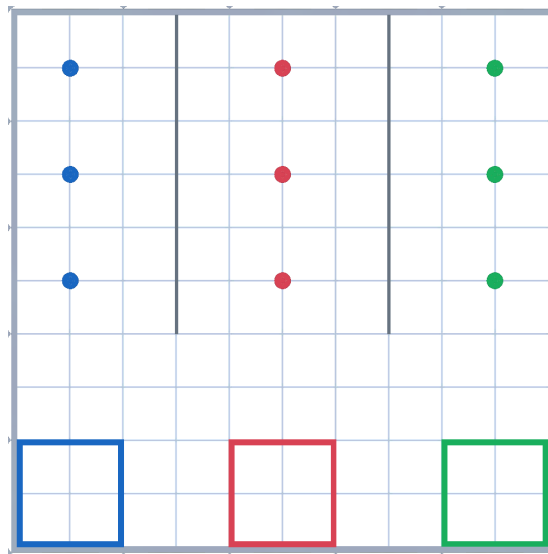
VEX CODE VR
Activities

Disk Mover Challenge

Playground: Disk Mover

Challenges:

Level 1: Using the electromagnet, pick up and place three disks of any color into any colored goals.
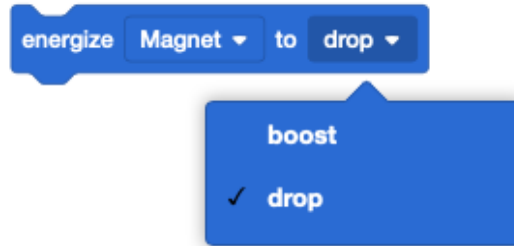
Level 2: Using the electromagnet, pick up and place one disk of each color inside the matching colored goals. Each colored goal should have one disk matching the color of the goal to complete this challenge.

Level 3: Using the electromagnet, pick up and place one disk of each color inside each colored goal. Each goal should have one green, one red, and one blue disk to complete this challenge.

Helpful Hints:

● Each square in the Grid Map measures 200mm by 200mm.

- Change the mode of the *Energize Electromagnet* block to attract and release a disk from the electromagnet.

- ○ Matching Python commands:

```
magnet.energize(BOOST)
magnet.energize(DROP)
```

Competition Challenges:

Level 1: Use the timer to see how fast you can pick up and move any 3 disks to any of the goals. Fastest time wins!

Level 2: How fast can you move and match disks to their goals? Use the timer to see how fast you can move 1 disk of each color into its matching goal. Fastest time wins!

Level 3: Use the timer to see how fast you can sort the disks into the 3 goals. Each goal should have 1 disk of each color to complete the challenge. Fastest time wins!