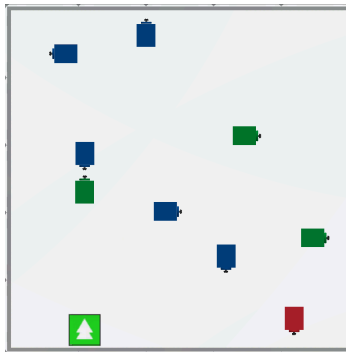


VEX CODE VR Activities



Disk Color Maze



Playground: Disk Maze

Challenges:

Level 1: Program the VR Robot to move through the Disk Maze from Start to Finish using the Front Eye Sensor to detect the disk colors. Detect at least 5 disk colors before moving to the finish. The green square is the starting point, and the red disk is the finish.

Level 2: Program the VR Robot to move through the Disk Maze from Start to Finish using the Down Eye Sensor to detect the floor colors.

Level 3: Program the VR Robot to move through the Disk Maze from Start to Finish, turn around 180 degrees, and then move back through the Disk Maze to the original starting point.

Helpful Hint:

- Use the *Forever* block from the Control category to keep the Eye Sensors constantly checking for certain colors.



- Matching Python command:

while True:

Competition Challenges:

Level 1: How fast can you move through the Disk Maze using the Front Eye Sensor? Use the Pen to trace your path. Fastest time wins!

Level 2: Use the timer to see how fast you can navigate the maze using the Down Eye Sensor. Use the Pen to trace your path. Fastest time wins!

Level 3: How fast can you go to the end of the Disk Color Maze **AND** back to the start? Use any combination of sensors to increase your speed. Use the Pen to trace your path. Fastest time wins!

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