



Dizzy Slalom Skiing

Drive the VEX AIM Coding Robot through the slalom course and do a dizzy spin at the end!

Step by Step

1. Set up the Field as shown in the image above.
 - Place three orange barrels on the Field in a diagonal from bottom left to top right.
 - Place AprilTag ID 0 at the End Position in the top right corner of the field.
 - Position the robot at the Start Position in the bottom left corner of the field, facing AprilTag ID 0.
2. Use the Drive mode to drive the robot from the Start Position to the End Position.
 - a. Drive the robot through the slalom course by maneuvering around the orange barrels.
 - b. Indicate that the task is complete by rotating the robot left or right more than three full circles, until an emoji shows on the robot's screen and a sound plays.
 - c. Drive the robot to complete the task as fast as possible. The fastest time wins!

'LEVEL UP'

- **Reverse Slalom** - After completing the slalom and spinning at the end, drive the robot back to the Start Position through the slalom course in reverse. The fastest time wins!

Pro Tips

- Push the joystick right along Axis 2 to turn the robot right.
- Push the joystick left along Axis 2 to turn the robot left.
- Push the joystick lightly along Axis 2 to turn the robot slowly and push harder to turn faster.

Standard: CSTA 1B-CS-02: Model how computer hardware and software work together as a system to accomplish tasks.