

VEX CODE VR

Student Name: 3796K VR Online Skills Challenge

Assignment:

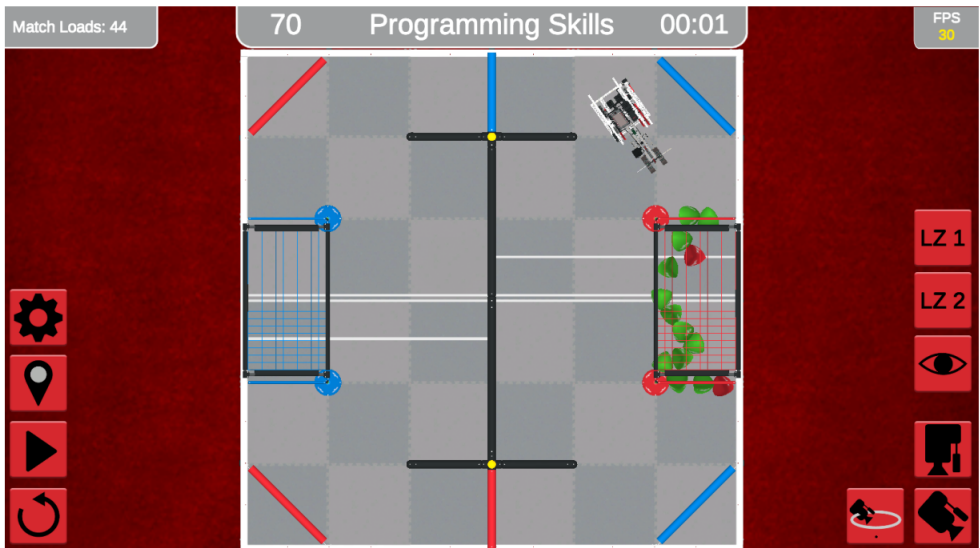
Notes: Participants: Cameron McLean, Grant Long // Team Number: 3796K // Location: Greenville, South Carolina, United States of America

Playground: VRC Virtual Skills - Over Under

Project Name: 3796K VRC VR Online Skills Challenge (3)

Project Type: Blocks

Date: Mon Jan 29 2024



when started

4th Iteration

set OuttakeTurnAmount to 1.3

set IntakeTurnAmount to 0.3

set ArmMotor velocity to 100 %

set IntakeMotor velocity to 100 %

set drive velocity to 100 %

set turn velocity to 100 %

spin ArmMotor to position 150 degrees and don't wait

Scoring the preload Triball.

turn to rotation -45 degrees

drive forward for 1 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

spin ArmMotor to position 1300 degrees and don't wait

drive reverse for 1 inches

Collecting and scoring the near-neutral Triball.

turn to rotation 0 degrees

drive forward for 22 inches

spin IntakeMotor intake for 2.5 turns

drive reverse for 22 inches

turn to rotation 120 degrees

drive forward for 15 inches

spin IntakeMotor outtake for 1.1 turns

Collecting and scoring the near-corner Triball.

drive reverse for 15 inches

turn to rotation 195 degrees

drive forward for 15 inches

spin IntakeMotor intake for IntakeTurnAmount turns

drive reverse for 3 inches

drive reverse for 5 inches

turn to rotation 110 degrees

drive forward for 10 inches and don't wait

spin IntakeMotor outtake for 1.1 turns

Collecting and scoring the far left Triball.

drive forward for 5 inches

turn left for 100 degrees

drive forward for 35 inches

turn left for 29 degrees

drive forward for 13 inches

spin IntakeMotor intake for IntakeTurnAmount turns

drive reverse for 20 inches

turn left for -150 degrees

drive forward for 1 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the left Triball.

turn to rotation 16 degrees

drive forward for 19 inches

spin IntakeMotor intake for IntakeTurnAmount turns

turn right for 150 degrees

drive forward for 10 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the LZ 2 Triball.

drive reverse for 55 inches

turn right for 146 degrees

drive forward for 27 inches

spin IntakeMotor intake for IntakeTurnAmount turns

drive reverse for 27 inches

turn left for 149 degrees

drive forward for 55 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the middle Triball.

turn left for 90 degrees

drive forward for 17 inches

turn left for 63 degrees

drive forward for 7 inches

spin IntakeMotor intake for IntakeTurnAmount turns

drive reverse for 15 inches

turn right for 167 degrees

drive forward for 3 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the back-middle Triball.

drive reverse for 3 inches

turn left for 170 degrees

drive forward for 30 inches

spin IntakeMotor intake for IntakeTurnAmount turns

turn right for 180 degrees

drive forward for 32 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the right Triball.

drive reverse for 35 inches

turn left for 80 degrees

drive forward for 15 inches

spin IntakeMotor intake for IntakeTurnAmount turns

turn right for 90 degrees

drive forward for 25 inches

spin IntakeMotor outtake for OuttakeTurnAmount turns

Collecting and scoring the second preload Triball.

drive reverse for 25 inches

turn left for 105 degrees

drive forward for 11 inches

```
spin IntakeMotor intake for IntakeTurnAmount turns
turn right for 105 degrees
drive forward for 30 inches
spin IntakeMotor outtake for OuttakeTurnAmount turns
```

Collecting and scoring the far-right Triball.

```
turn right for 15 degrees
drive reverse for 40 inches
turn left for 65 degrees
drive forward for 3 inches
spin IntakeMotor intake for IntakeTurnAmount turns
turn right for 67 degrees
drive forward for 40 inches
spin IntakeMotor outtake for OuttakeTurnAmount turns
```

Collecting and scoring the LZ 1 Triball.

```
turn right for 7 degrees
drive reverse for 75 inches
turn left for 150 degrees
drive forward for 10 inches
spin IntakeMotor intake for IntakeTurnAmount turns
drive reverse for 30 inches
turn left for 30 degrees
drive reverse for 60 inches
turn right for 171 degrees
spin IntakeMotor outtake for OuttakeTurnAmount turns
```

Collecting and scoring the far-corner Triball.

```
turn left for 55 degrees
drive forward for 50 inches
spin IntakeMotor intake for IntakeTurnAmount turns
turn right for 125 degrees
drive forward for 4 inches
spin IntakeMotor outtake for OuttakeTurnAmount turns
```

spin IntakeMotor ▾ outtake ▾ for OuttakeTurnAmount turns ▾ ▶

Collecting and scoring the far-neutral Triball.

turn right ▾ for 125 degrees ▶

drive forward ▾ for 31 inches ▾ ▶

turn left ▾ for 17 degrees ▶

drive forward ▾ for 13 inches ▾ ▶

spin IntakeMotor ▾ intake ▾ for IntakeTurnAmount turns ▾ ▶

drive reverse ▾ for 24 inches ▾ ▶

turn left ▾ for 125 degrees ▶

drive forward ▾ for 5 inches ▾ ◀ and don't wait

spin IntakeMotor ▾ outtake ▾ for OuttakeTurnAmount turns ▾ ◀ and don't wait

drive forward ▾ for 5 inches ▾ ▶

fin.