

## Real Time Control Challenge

# Race to the Finish

### Challenge Description

Use feedback from the Radio Control Transmitter to race through a teacher designed course as quickly as possible. Use a stopwatch to record your time and compare it to your competition.

### Sample Code

The sample program below assigns the value of the VEX Transmitter to the appropriate motors.

```
1 task main()
2 {
3   bIfiAutonomousMode = false; //allow Radio Control
4   bMotorReflected[port2] = 1; //reverse the polarity on motor port 2
5
6   while(1 == 1) //while one equals one, which is forever
7   {
8     motor[port3] = vexRT[Ch3]; //set the value of motor port 3 to the
9                               //value of channel 3 on the radio control
10    motor[port2] = vexRT[Ch2]; //set the value of motor port 2 to the
11                               //value of channel 2 on the radio control
12  }
13 }
```