

VEX IQ Session 11/21 (2:45-3:45pm)

VEX IQ Lesson Outline

2:45-2:55 Split Into Groups

Review what they have learned so far, or just talk about what they remember

Building Group(THIS GROUP WILL MAINLY FOCUS ON CATCHING UP)

Catch up on what they remember from the 3 weeks they missed

Go more into depth about drivetrains

show them the example of the robot(dont worry ill bring it on friday)

Let the students familiarize themselves with the pieces

Here are some links to familiarize with(PLEASE LOOK AT THEM)

<http://www.vexrobotics.com/vexiq/education/mechanisms/object-manipulation>

<http://www.vexrobotics.com/vexiq/education/mechanisms/lifting-mechanisms>

<http://www.vexrobotics.com/vexiq/education/mechanisms/drivetrains>

Help the children come up with ideas for the drivetrain

Follow through with their designs

I will bring reference robot pictures for the children to get ideas from

Programming Group

Review: 20 min

Review Worksheet(individually)

Go over the answers

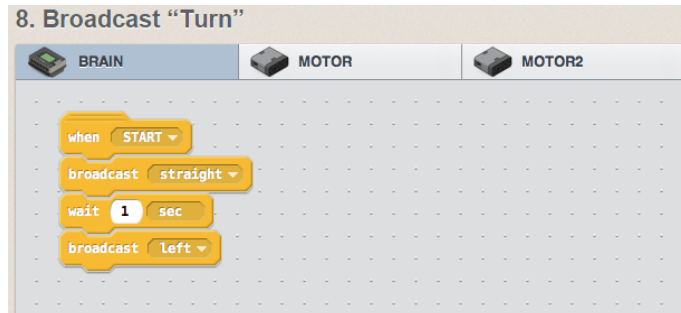
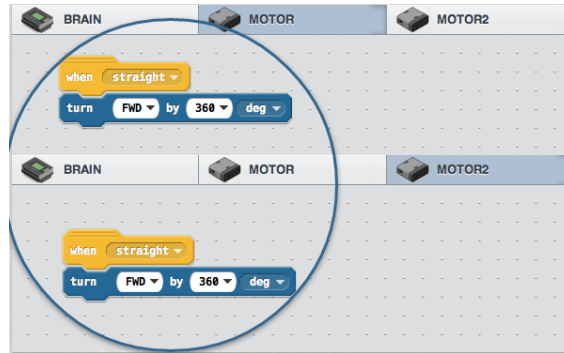
Glue them into notebooks

Turning: 25 min

For straight:

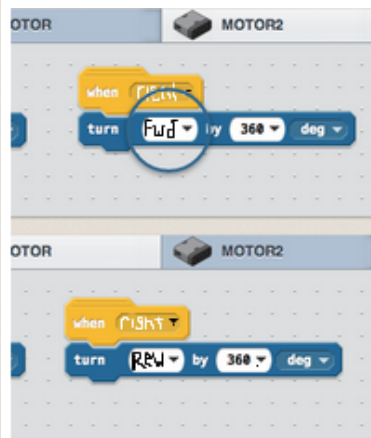
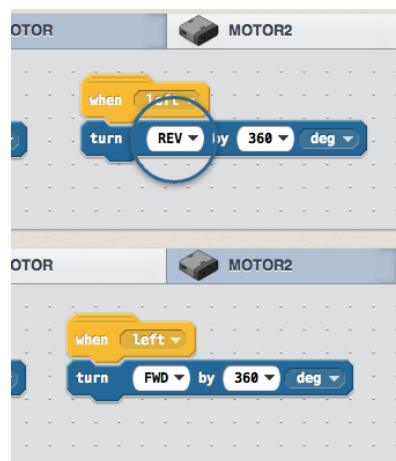
Input the motors and put them in the ports, reverse one of them

In the individual motor tabs, put turn FWD by 360 degree on both



For Left:

For Right:



Activity: 15 min

“The Human Drive Choo Choo”

Get in groups of three, choose A,B,C

A and B are wheels, C is driver

Using this choo choo you will use proper terms to bring yourself from point A to point B