

VEX IQ Level Up: Session 2 - Virtual Coding Station

Activity: Code Flop in VEX IQ Level Up Virtual Coding Skills!

1. Go to vrskills.vex.com and select 'autonomous coding skills', or open VEXcode VR.
 - Select the **IQ 26-27 Level Up** Playground.
 - You need your Team Number and Virtual Skills Key to open the Playground.
2. Watch the recording of the robot driving to score the preloaded Yellow Bean Bag on the L1 Pyramid Goal, and drive to pick up a Blue Bean Bag.
 - Pay attention to the order of robot behaviors.
3. Use the blocks shown to the right to code Flop to score the preloaded Yellow Bean Bag on the L1 Pyramid Goal, and drive to pick up a Blue Bean Bag.
4. Run your project often to test it. If your robot doesn't behave as you expected, try again!



VEXcode VR Reminders:

- Blocks will only run if they are attached to the **When started** block.
- Use the **Reset** button on the Playground to reset the field each time you test your project.
- Try changing the camera views to help you pick up Bean Bags.
- Try using the Navigation Kit to help you plan and code your project.

Feeling Stuck?

- *Build and test your project one block at a time. This will help you understand the behavior Flop completes with each block.*

Discussion Questions

- What scoring task would you like to code Flop to complete next?
- Why would you choose that scoring task?
- What blocks would you use to code it?

Activity Checklist

- ☐ Each team member watched the recording of Flop scoring a Yellow Bean Bag on the Pyramid Goal, and driving to pick up a Blue Bean Bag.
- ☐ Each team member added a block to the project.
- ☐ Flop successfully completed the task.