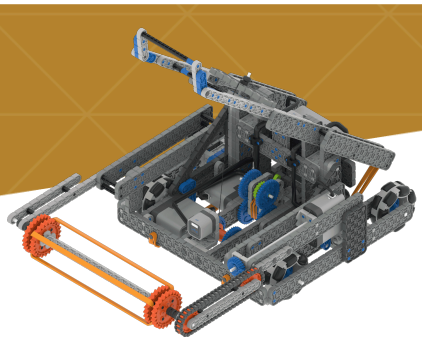
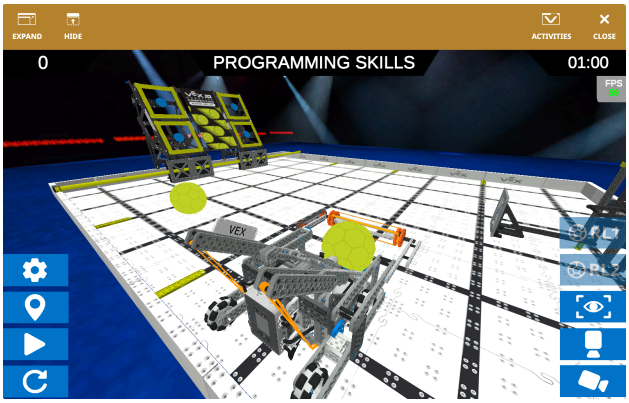
VEX CODE VR Activities





VIQRC Rapid Relay

Code Swish to score as many points as possible in Rapid Relay!

Challenge: Clear Switches and score Goals to earn the highest score possible!

- The game will end after 1 minute, so be strategic with your scoring choices.

Scoring:	
Each Cleared Switch = 1 point	
The points per Goal change depending on the number of Switches cleared!	
1 Switch Cleared	4 points per Goal
2 Switches Cleared	8 points per Goal
3 Switches Cleared	10 points per Goal
4 Switches Cleared	12 points per Goal

Reminders and Tips

- **Switch** blocks allow you to code with Python commands in a Blocks project. Convert blocks or type directly in a Switch block to start incorporating both block-based and text-based coding in your project. Learn more in this article.

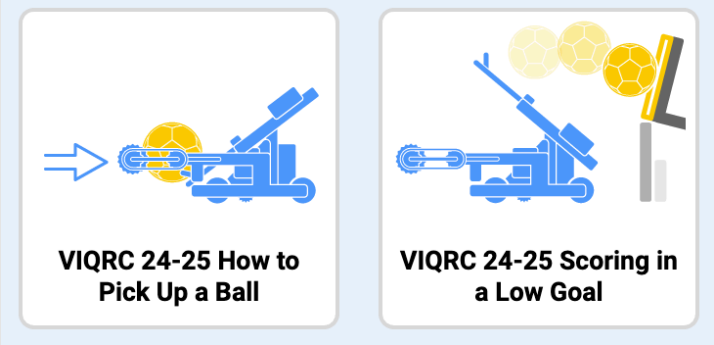
```
drivetrain.drive_for(FORWARD, 305, MM)
```

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- Use a problem-solving process to help complete the challenge.
    - **Phase 1: Planning –** The first step to solving a challenge is understanding the challenge and making a plan. Your goal is to brainstorm several possible solutions to score points in High Stakes.
    - **Phase 2: Pseudocoding –** The next step is to break down the plan into the component steps. Your goal is to write pseudocode showing the steps and behaviors needed to score points in High Stakes.
    - **Phase 3: Building and Testing –** The next step is to build and test a VEXcode project to solve the challenge. Your goal is to create a project that scores as many points as possible on the High Stakes Playground, based on their plan and pseudocode.

Additional Resources

- **VEX API** – Learn about the different commands available to you when coding Swish on the Rapid Relay Playground. Details about the Playground, the robot, and more can be found here.
- **Example Projects -** Use example projects to learn how to intake Balls and score in a Low Goal. Learn how to access example projects in this article.



- **Learn More about VIQRC Rapid Relay** –
    - Get started with the VIQRC Rapid Relay Playground in VEXcode VR
    - Read the VIQRC Rapid Relay Game Manual

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