

VEX IQ Level Up: Session 3 - Driving Test

Activity: Drive under one wall structure and then around the other.

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Example Documentation: On the following page.

Remember, this is just one way to document your data. Document in the way that works best for you!

Feeling Stuck? Slow down and practice driving forward, backward, left, and right before beginning the task. Maybe this Drive Configuration isn't for you. You will also improve over time!

Helpful Tip: If Flop gets stuck between a Pyramid Goal and a Floor barrier, or on another obstacle, try raising the arm slightly (using the F buttons on the controller). This can make it easier to move around tight spaces.

Discussion Questions

- What do you like about each drive mode?
- What do you dislike?
- How can you improve your driving or documentation skills?

Activity Checklist

- ☐ Each team member drove the drive path with all four configurations.
- ☐ Each team member recorded drive data in the engineering notebook.

Example Documentation

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Task: Drive under one wall structure and then around the other!

Driver	Configuration	Joystick Controls	Time
Lauren	Tank Drive	 Left motor with left joystick Right motor with right joystick	39 seconds
	Notes:		
	Left Arcade		
	Notes:		
	Right Arcade		
	Notes:		
	Split Arcade		
	Notes:		