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SEEDSEEK Meeting 3

6/11/2025





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What Did We Learn?

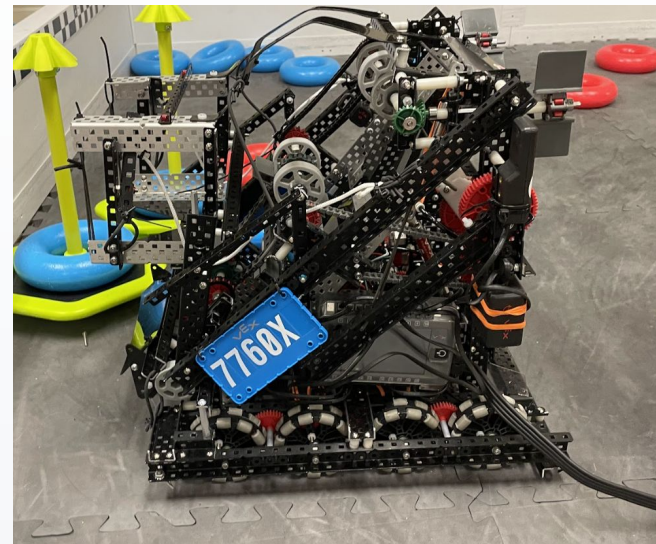
Building

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Problem Solving

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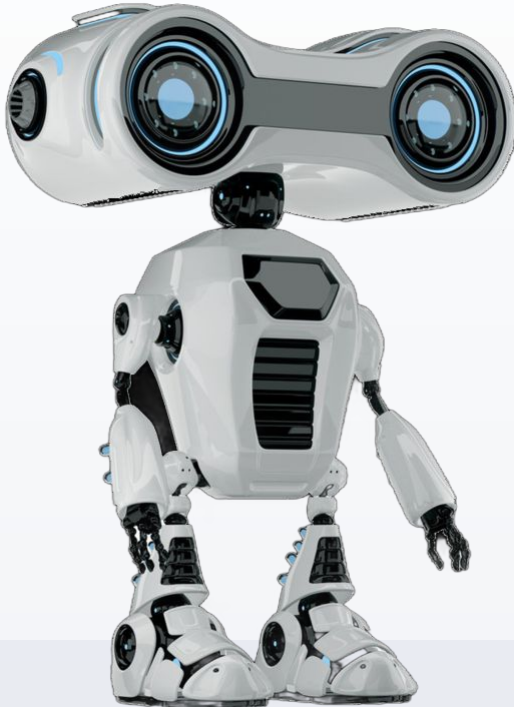
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Today's Skill: Arm



Why and How?

- Making an arm will allow you to lift game pieces off the ground, allowing the robot to perform more complex tasks.



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Gear Ratios

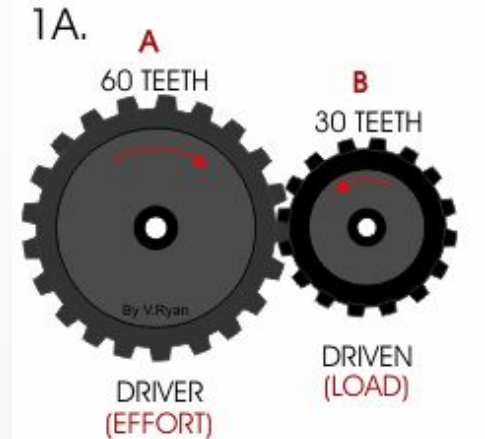
If the motor rotates at a set speed how can we make different subsystems run at different speeds?

Short answer: Gear Ratios

- Created by connecting different-sized gears to create a ratio, allowing for the gears to complete rotations at different speeds.

Assessment (*figure 1A*)

- If gear A is rotating at 100 rpm (rotations per minute), how fast is gear B spinning?
- What about the reverse?
- If we were to make a drivetrain putting one wheel on each gear what would the two problems be?





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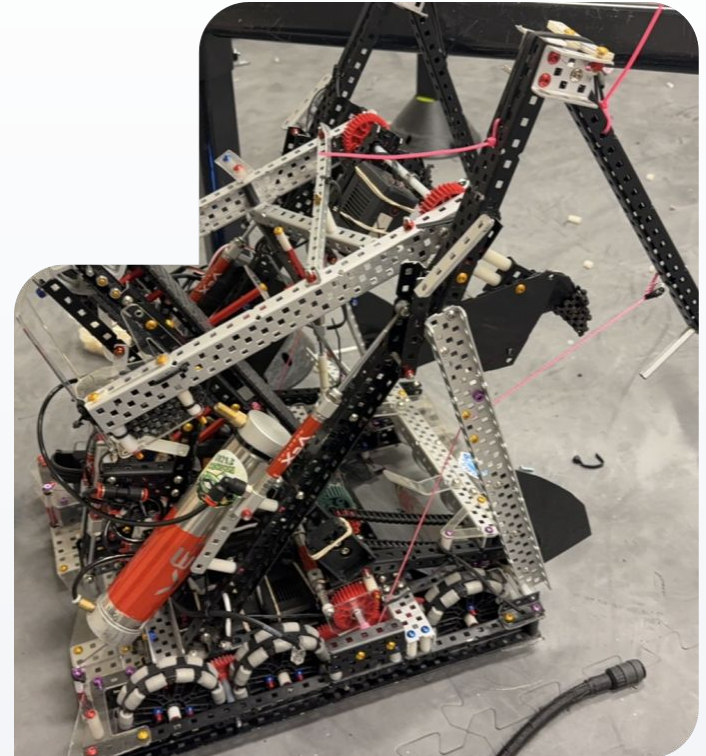
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Today's Goals

- + Day 2 Review
- + Build claw / lift
- + Practice driving / game
- + Break Time!
- + Design documentation / interview practice





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Let's Get Started

