Building Robots

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Summer Camp Resources 2023
2-day camp, day 1
Ben Lipper

Level 1 building & design

- Pick a design from the list

- Build

- Modify & improve

Pick a robot, any robot...

Linq

Robotic forklift that can be coded to scoop, lift, and carry objects.

Build instructions >

Stretch

Hero Bot for the 2017-18 VEX IQ challenge game, Ringmaster.

Build instructions >

Byte

Hero Bot for the 2023-24 VEX IQ Robotics Competition, Full Volume.

PDF Build Instructions >

Clawbot

An addition to the BaseBot build that includes a robotic arm and claw attachment.
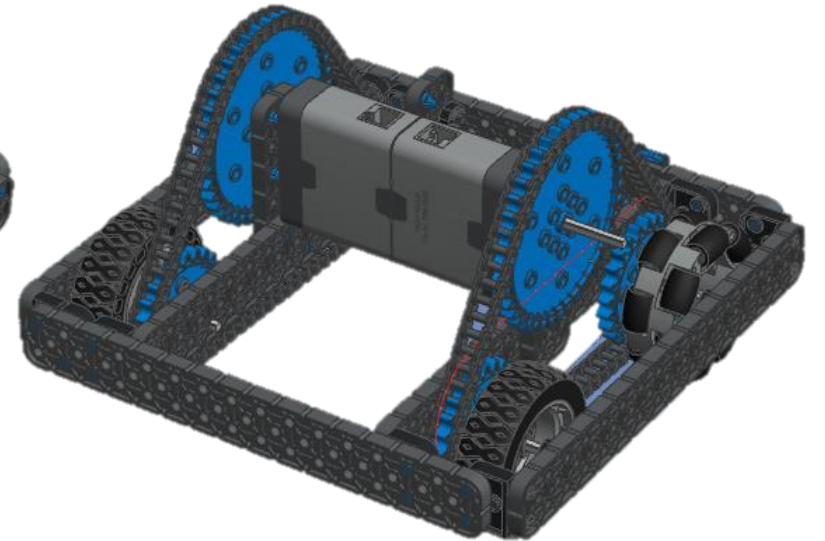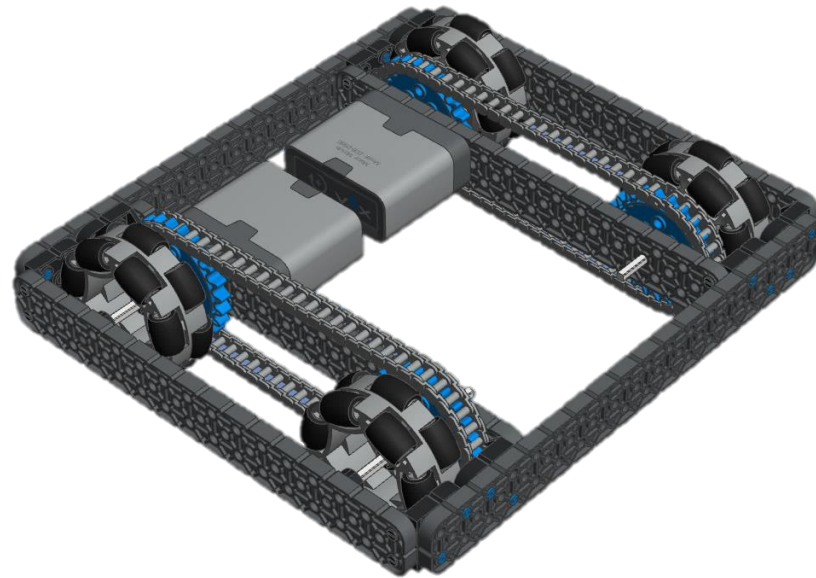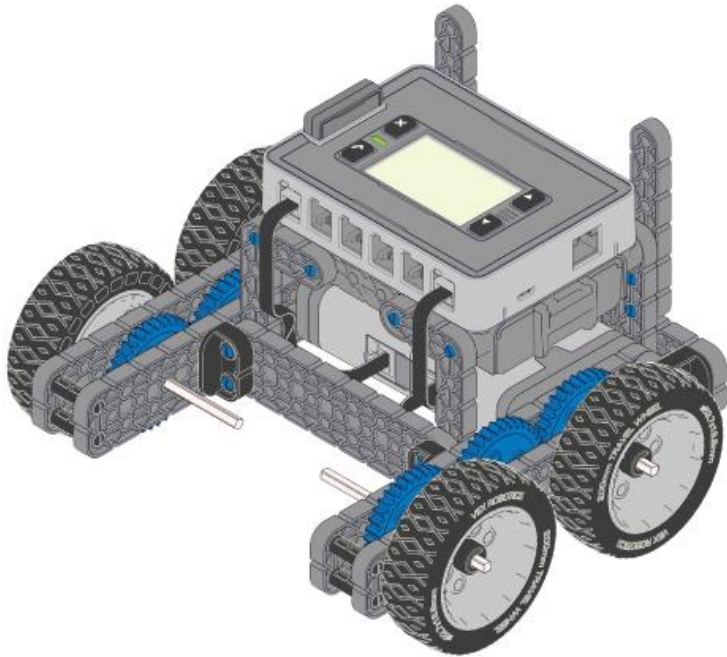
Build instructions >

VIEW MORE

Building at Level 2
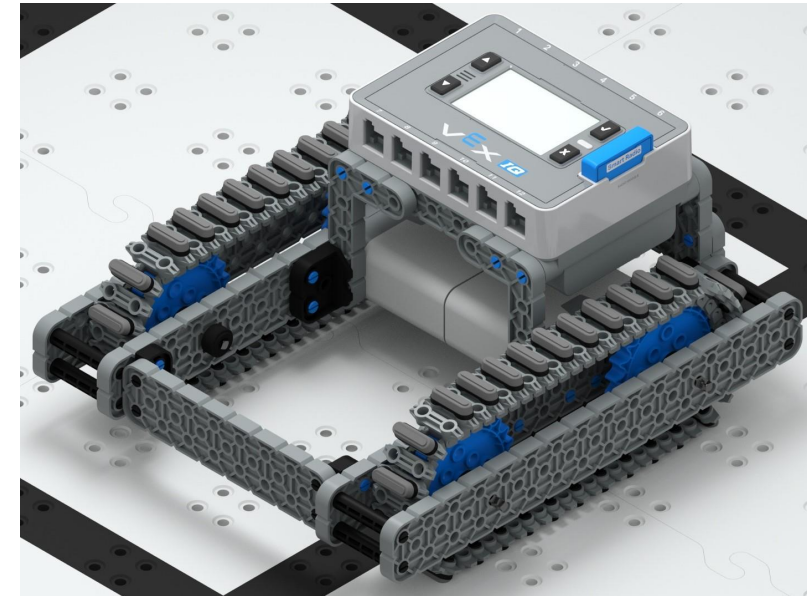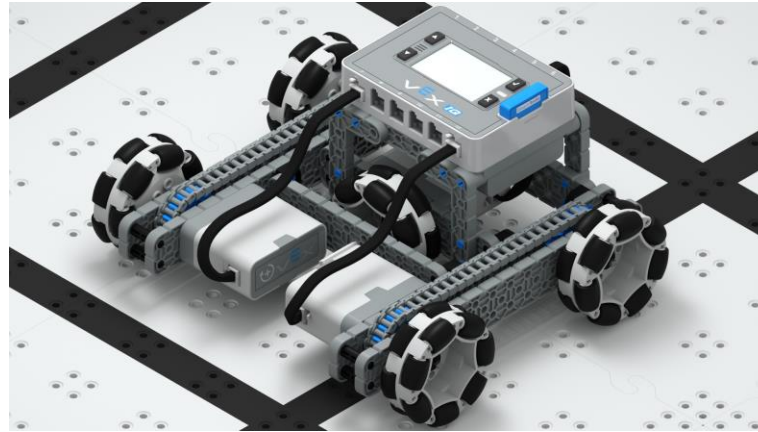
Using basic mechanisms

Putting it together yourself

Drivetrains

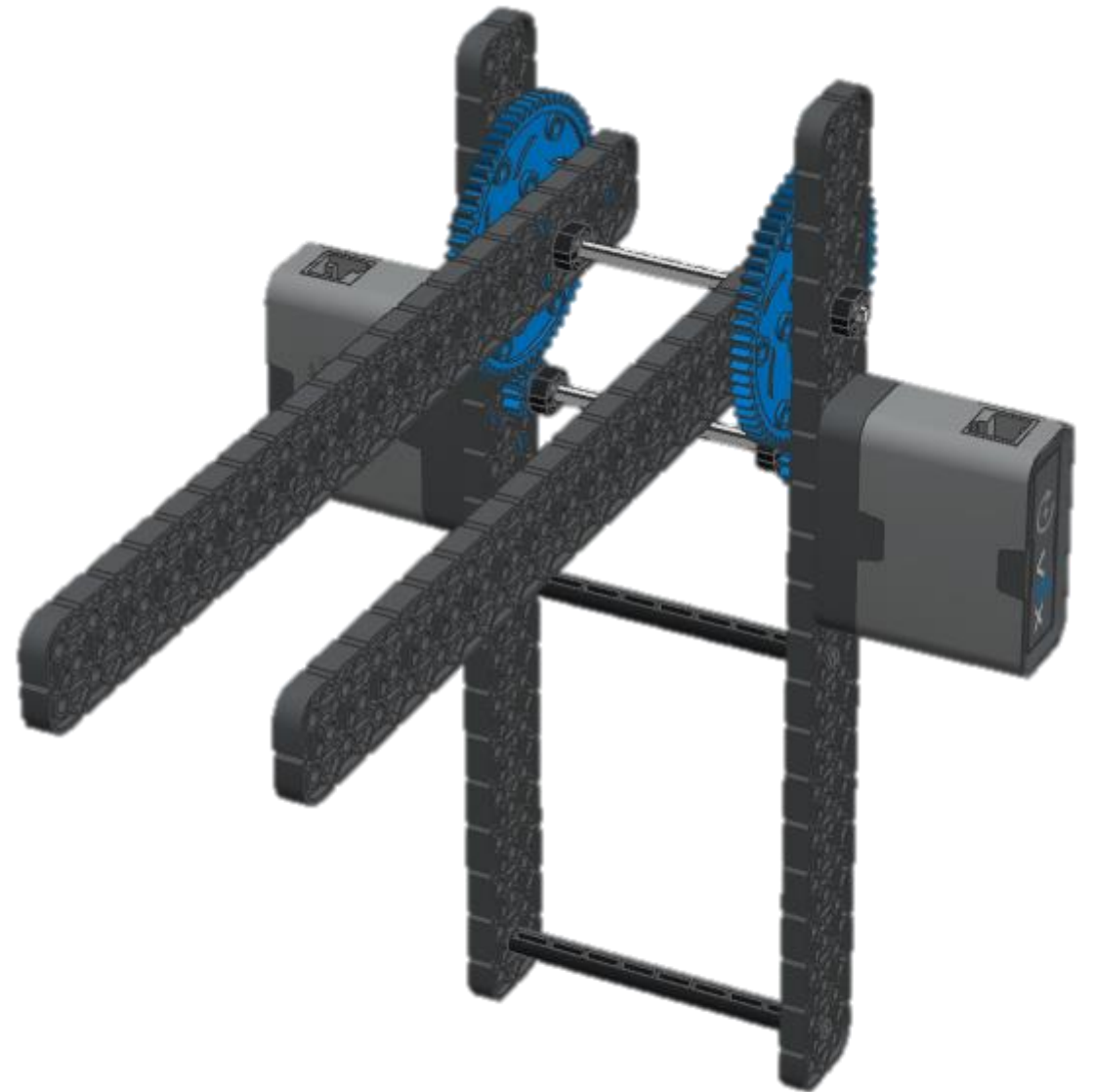# Different robot models

Different base models – BE CAREFUL!

Arms

2 main kinds

Single-jointed arm - Geared

4-bar arm