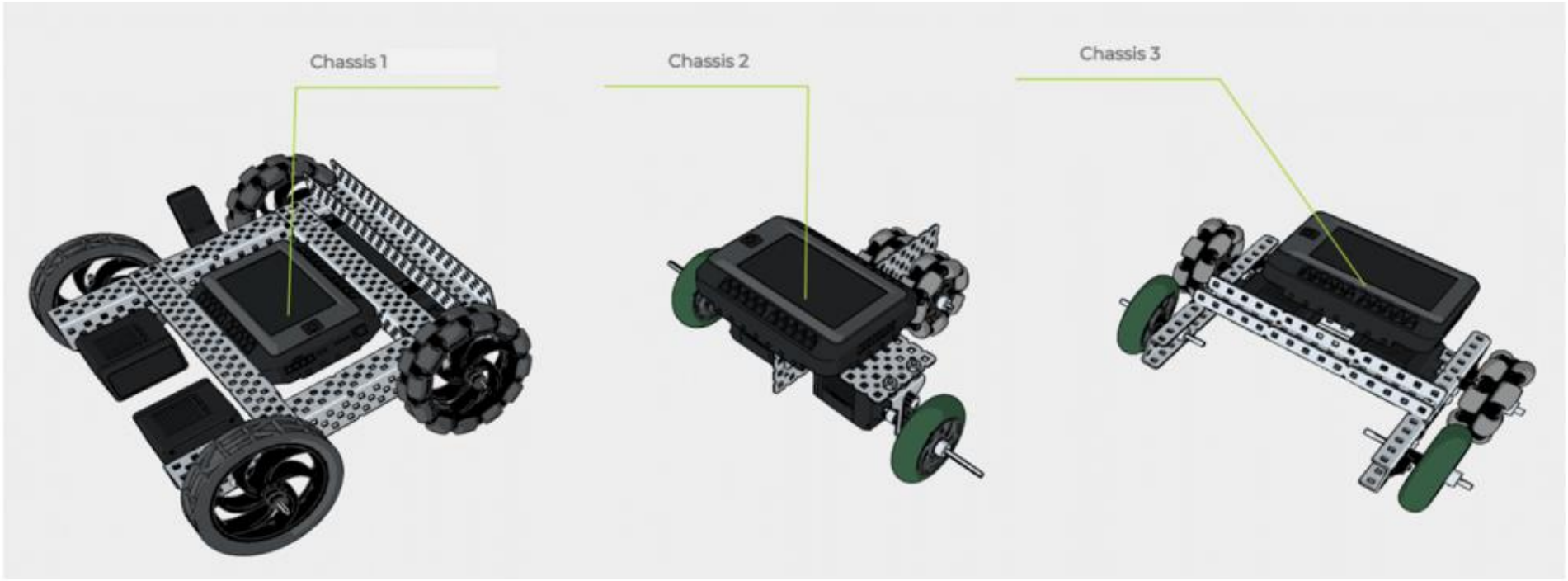
VEX Build Support Guide

Chassis



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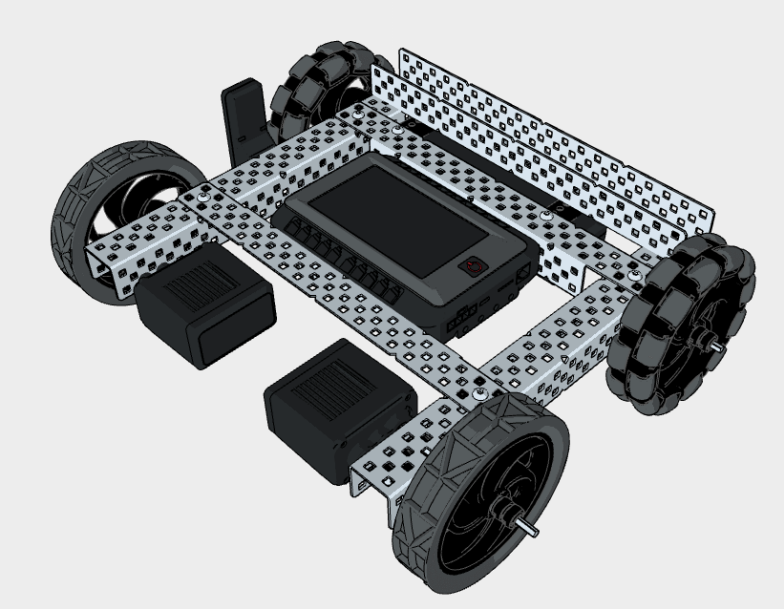
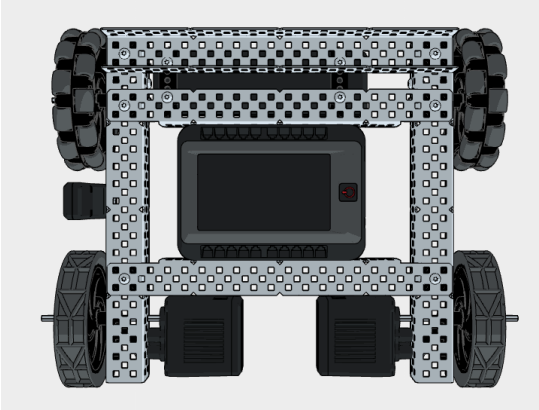
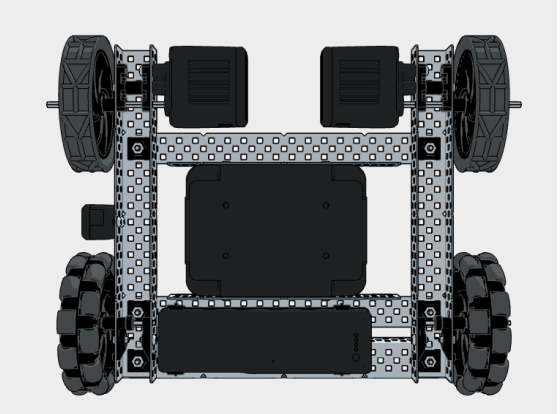
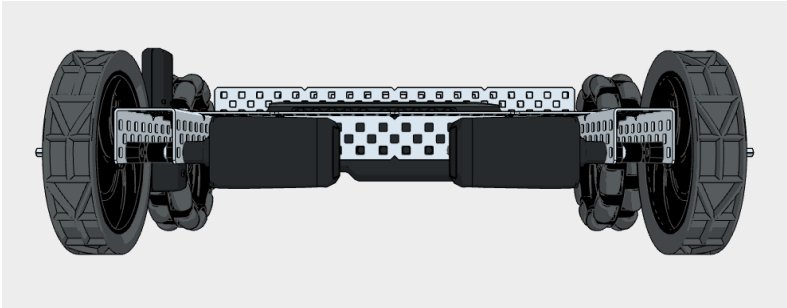
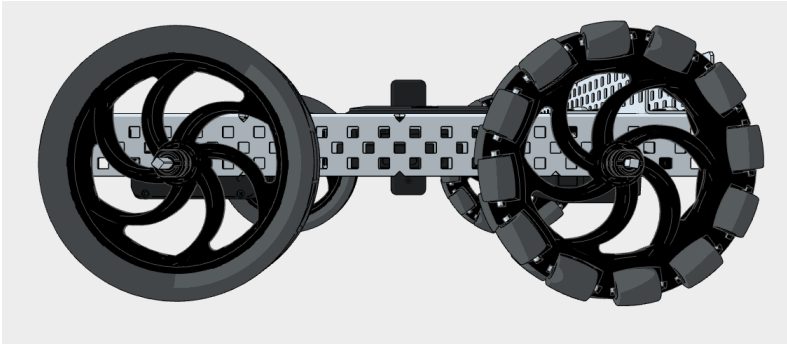
Chassis 1











- (3x) 300 mm V5 Smart Cable
- (8x) High-Strength Shaft Insert
- (4x) 0.375" Spacer
- (4x) 0x2 Connector Pin
- (2x) 0.5" Spacer
- (14x) 8-32 Nut
- (12x) Rubber Shaft Collar
- (16x) 8-32 x 0.375" Screw
- (2x) 8-32 x 0.5" Locking Screw
- (2x) 8-32 x 1.5" Locking Screw
- (3x) 2x2x2x20 U-Channel
- (2x) 2x2x14x20 Angle
- (2x) 3" Shaft
- (2x) 4" Shaft
- (4x) Bearing Flat
- (4x) 1-Post Hex Nut Retainer w/Bearing Flat
- (6x) 4-Post Hex Nut Retainer
- (2x) 4" Wheel
- (2x) 4" Omni Wheel

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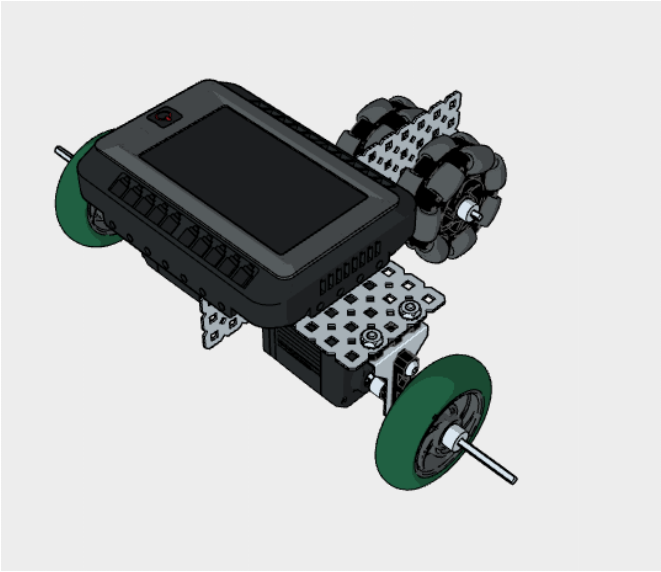
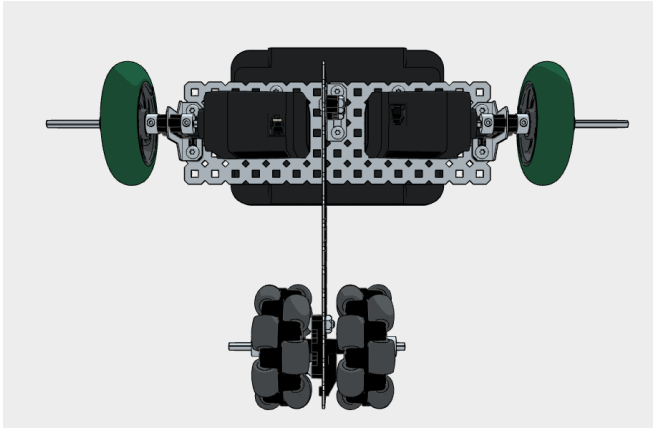
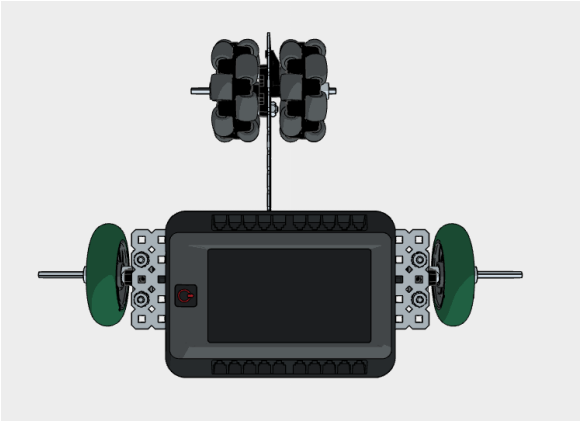
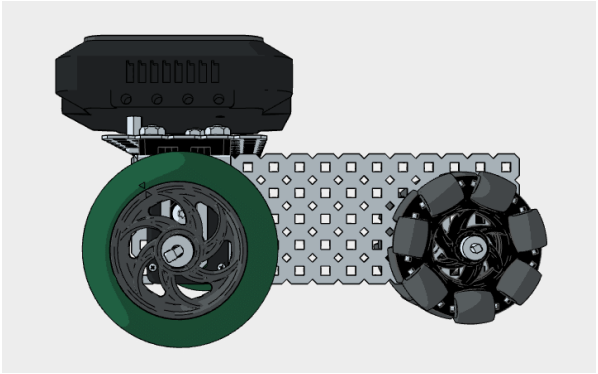
Chassis 2

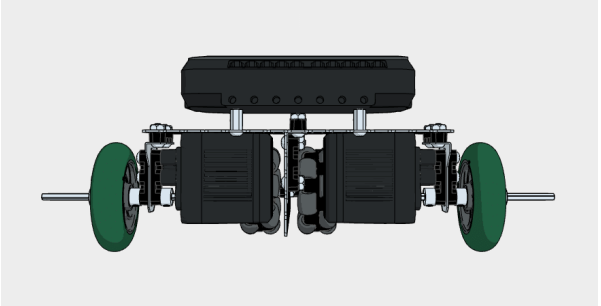






(2x) 5x15 Steel Plate
(3x) Angle Gusset
(9x) Flat Bearing
(4x) #8-32 x 1.0" Star Drive Screw
(10x) #8-32 x 1/2" Star Drive Screw
(9x) #8-32 Keps Nut
(2x) 1/2" Standoff
(2x) #8-32 x 3/4" Star Drive Screw
(1x) 1-Post Hex Nut Retainer w/Bearing Flat
(1x) #8-32 Hex Nut
(3x) 4" Drive Shaft
(8x) Shaft Collar
(2x) 2.75" Wheel
(8x) Metal Shaft Inserts
(2x) 2.75 Omni-Directional Wheel - Double Roller
(2x) 4.6 mm Plastic Spacer





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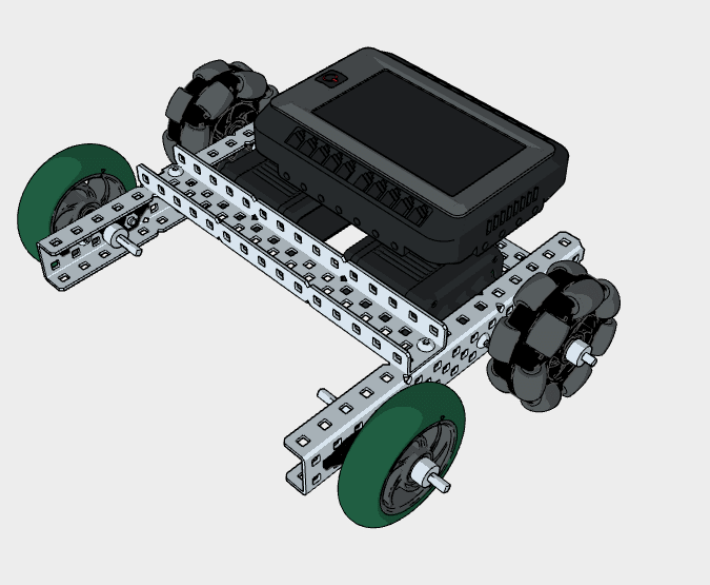
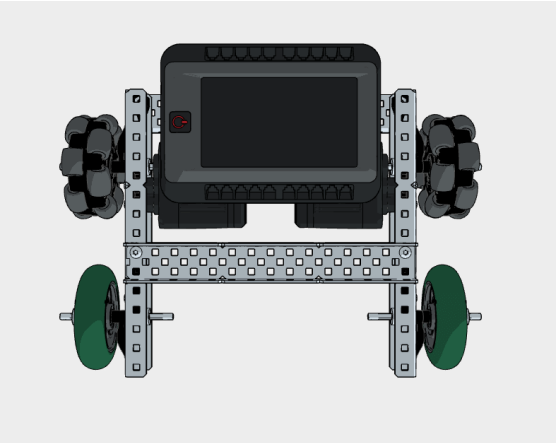
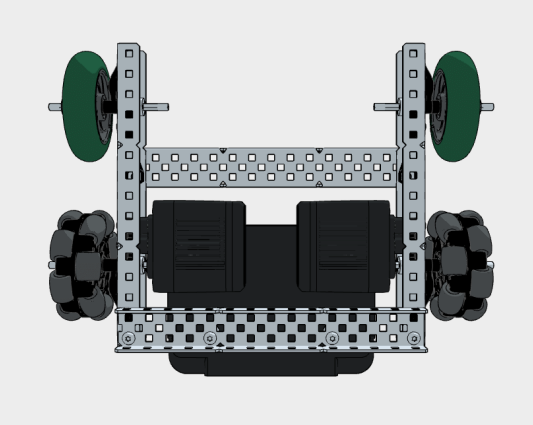
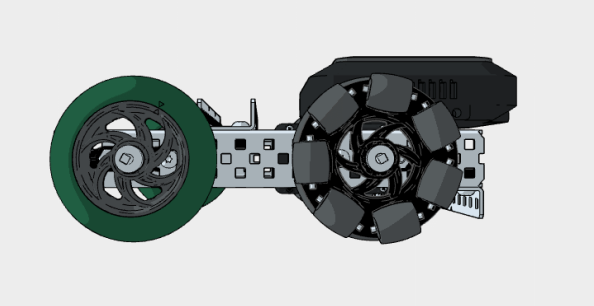
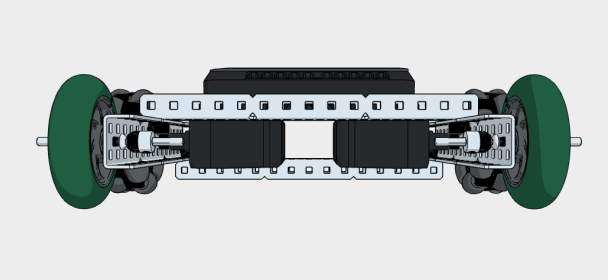
Chassis 3











(4x) 1x2x1x15 Aluminum C-Channel
(4x) 1-Post Hex Nut Retainer
(6x) 1-Post Hex Nut Retainer w/Bearing Flat
(10x) #8-32 Hex Nut
(10x) #8-32 x 3/8" Star Drive Screw
(2x) Flat Bearing
(4x) #8-32 x 1.0" Star Drive Screw
(2x) 2.75 Omni-Directional Wheel - Double Roller
(6x) 4.6 mm Plastic Spacer
(8x) Metal Shaft Inserts
(8x) Shaft Collar
(2x) 2.75" Wheel
(2x) 1" Standoff
(2x) #8-32 x 1.5" Star Drive Screw
(4x) 3" Drive Shaft

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