

Engineering And Robotics Learned Young

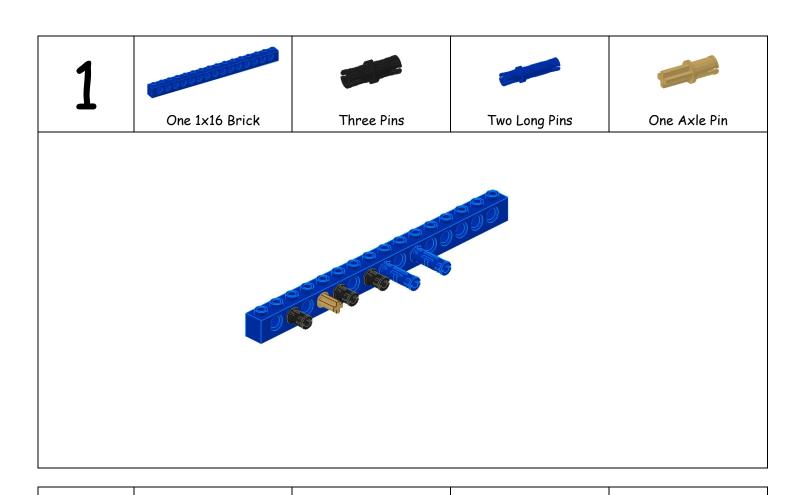
♦ EARLY **♦**

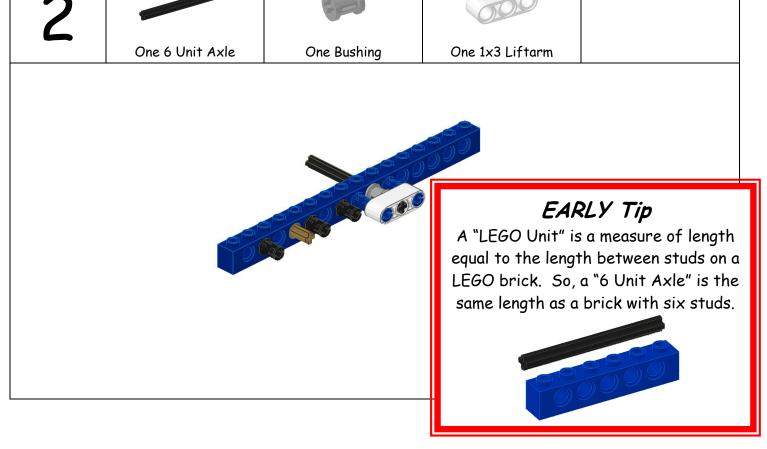
Basic Base Construction Instructions

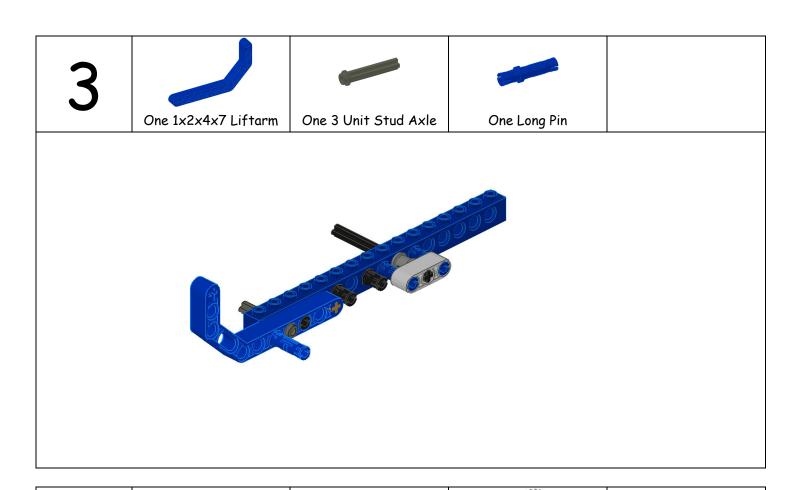
EARLY is pleased to present *The EARLY Basic Base*, affectionately known as "BB". BB was designed to help teams "Get Moving!" and can be constructed from one Motorized Mechanisms kit using one additional motor. EARLY would like to thank the Moore Elementary Robotics Team for their inspiration and help in bringing BB to life along with their enthusiasm in sharing BB with all the EARLY teams.

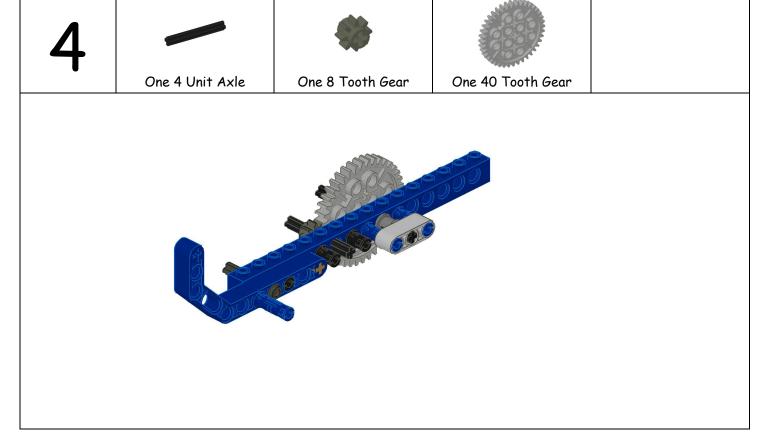
Please contact <u>Mission.Control@EARLYrobotics.org</u> with any questions or comments. Thank you for maintaining the Spirit of EARLY!

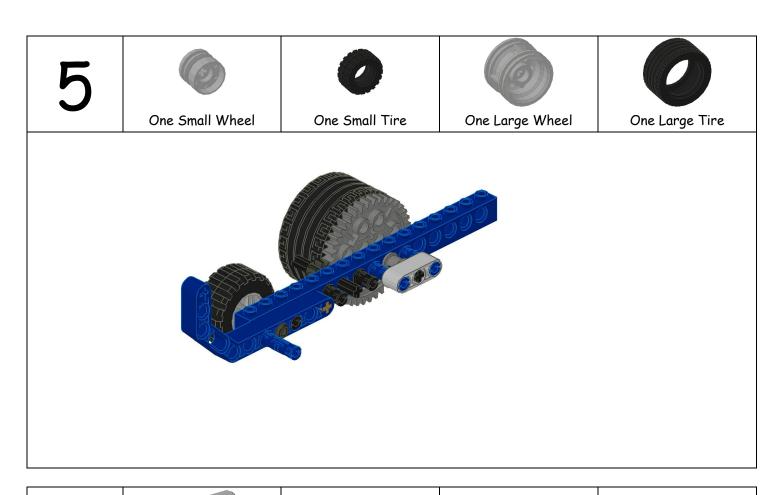


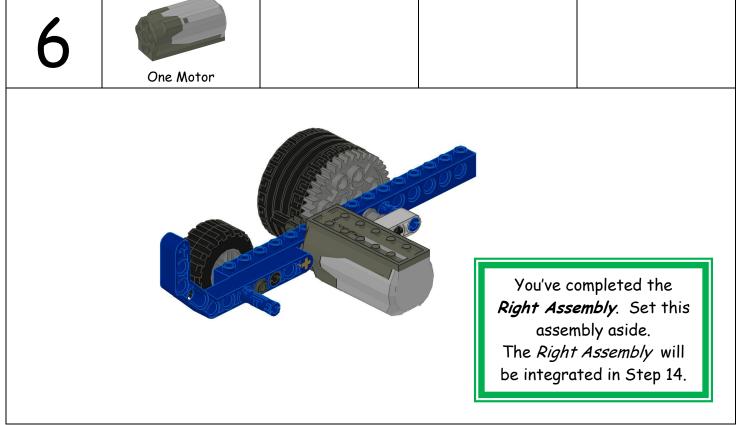


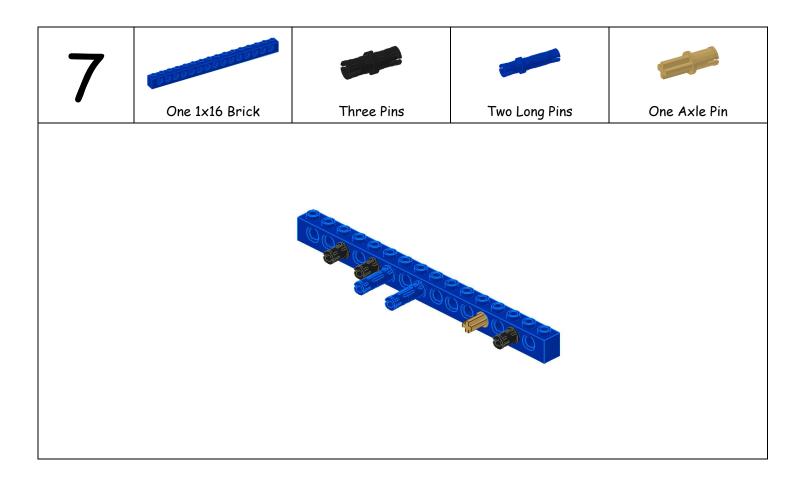


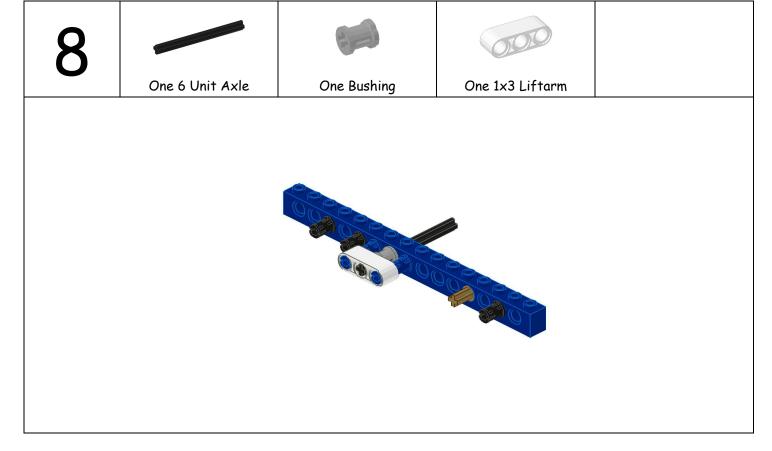


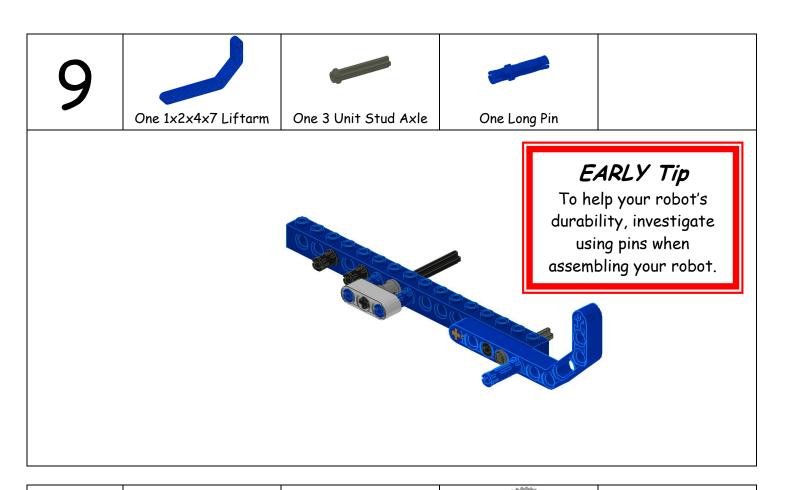


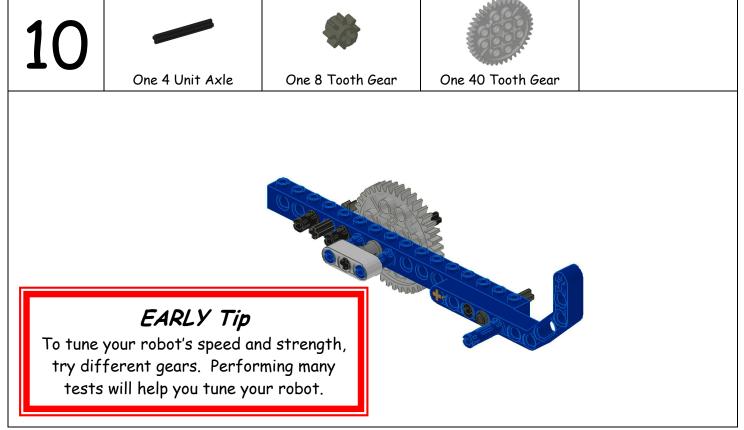












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One Small Wheel



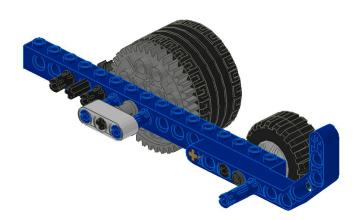
One Small Tire



One Large Wheel



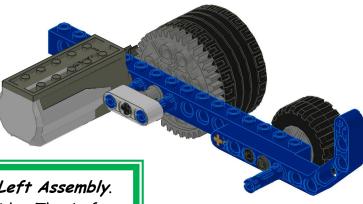
One Large Tire



12



One Motor

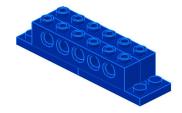


You've completed the *Left Assembly*. Set this assembly aside. The *Left* Assembly will be integrated in Step 15. 13





Two 1x6 Bricks



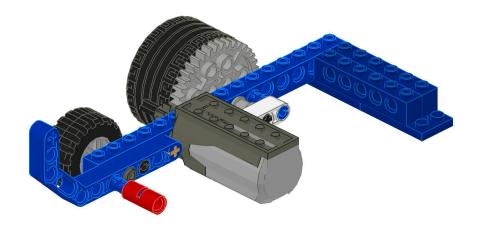
14





Right Assembly

One Spacer



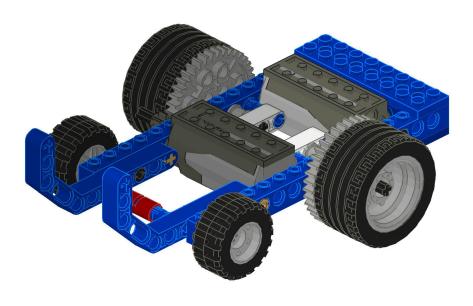
15



Left Assembly

60000000

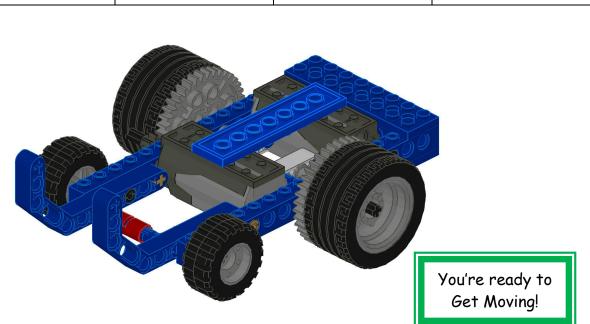
One 2x8 Plate



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One 2x8 Plate



Congratulations, you now have a BB! To "Get Moving!", just connect two controllers to the motors using long wires. Have FUN!

Please contact <u>Mission.Control@EARLYrobotics.org</u> with any questions or comments. Thank you for maintaining the Spirit of EARLY!

EARLY Tip

To make the best robot you can, use the engineering process: Design, Build, Test ...
Design, Build, Test ...
Design, Build, Test ...

To make your robot the best it can be, PRACTICE ...
PRACTICE ... PRACTICE ...

EARLY Tip

To help your robot steer well, keep the center-of-gravity near the drive wheels. The weighted bricks can be used to help move your robot's center-of-gravity.

EARLY Tip

To avoid the controller wires from rubbing on the ground, becoming tangled with your robot, or interfering with the controller switches, carefully plan the wire routes and secure the wires.

Remember, an EARLY robot may have up to six 20" extension wires.