



In the Classroom:

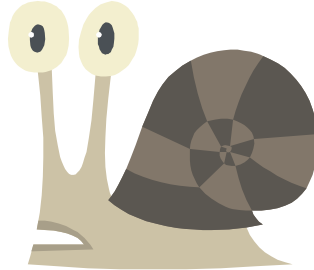
Grade Level: 3-8

Building Skills: Gears

Time: 45 min

Programming Skills: Inventor

Snail Car



Build a slow moving car.

Challenge

In this activity, design and construct an NXT car or snail which is capable of traveling extremely slowly. The cars compete in a snail race with the last car to cross the finish line crowned as the winner.

Materials

NXT car
Gears

Skills Learned

Learn to build with gears for slow motion.



Procedure

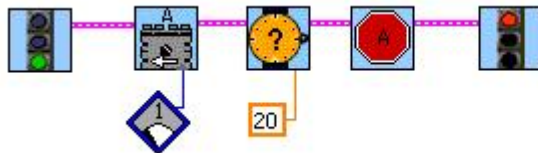
Building

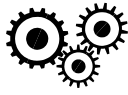
Build an NXT car that utilizes a series of gears and axles.



Programming

1. Choose whether to use ROBO LAB or the LEGO NXT Software to program (follow step 2 for ROBO LAB; follow step 4 for LEGO NXT Software).
2. Using Programmer, Inventor 2, program motor A to run forward for 20 seconds.





- Using the LEGO NXT Software, program motor A to run forward at 20% power for 20 seconds.

