

# Silly Walks

Build a robot that moves forwards – without using wheels!



## Think Like an Engineer:

How can you propel your robot forward without wheels?

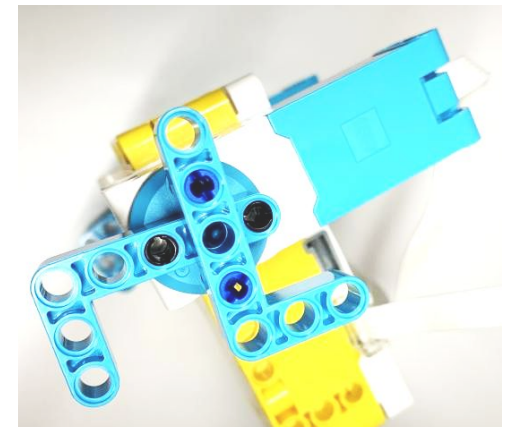
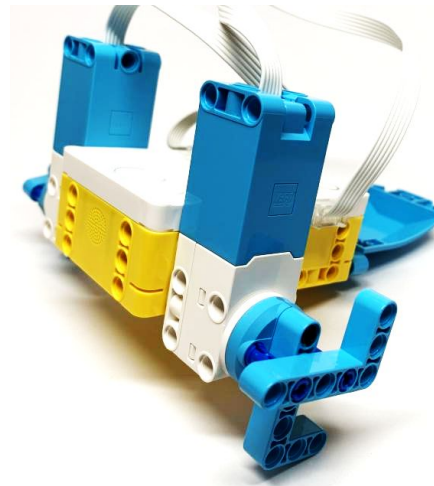
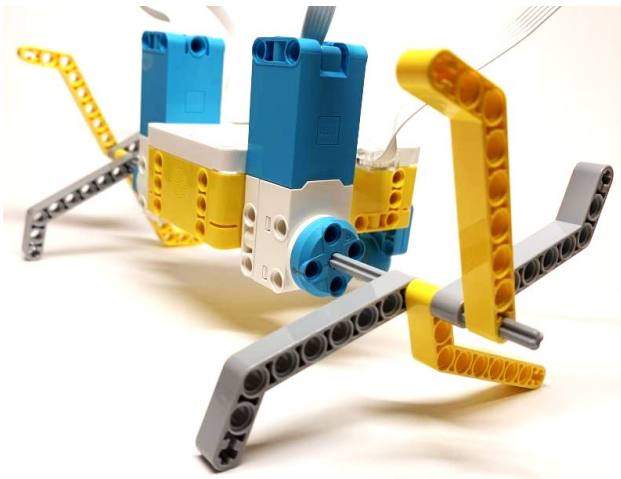


## Think Like a Physicist:

Will your robot move faster with longer or shorter legs?

## Example Ideas

What are different ways you can attach the “legs” to the motor?



*Flip over for more details!*



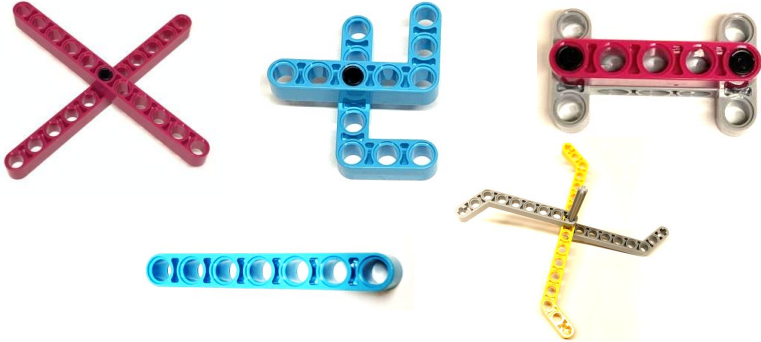


## Build It!

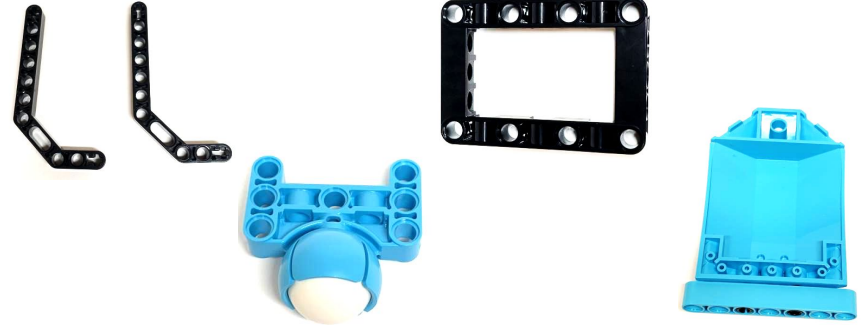
LEGO pieces are versatile! Be creative about what pieces you use and don't be afraid to think outside the box!



You can use these as wheels or legs:



You can use these as stabilizers or supports:



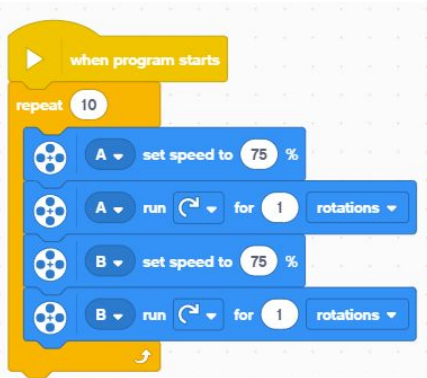
## Code It!

### Try to Modify It:

- Use a sensor to keep your robot from hitting a wall
- Try making your robot stop in between rotations

Do you want your motors to move together or alternate?

How fast do you want your robot to move?



## Challenge Yourself!

Try to build a silly walks robot with only one motor.