

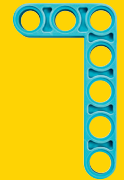
# Silly Walks

Build a robot that moves forward — without using wheels!



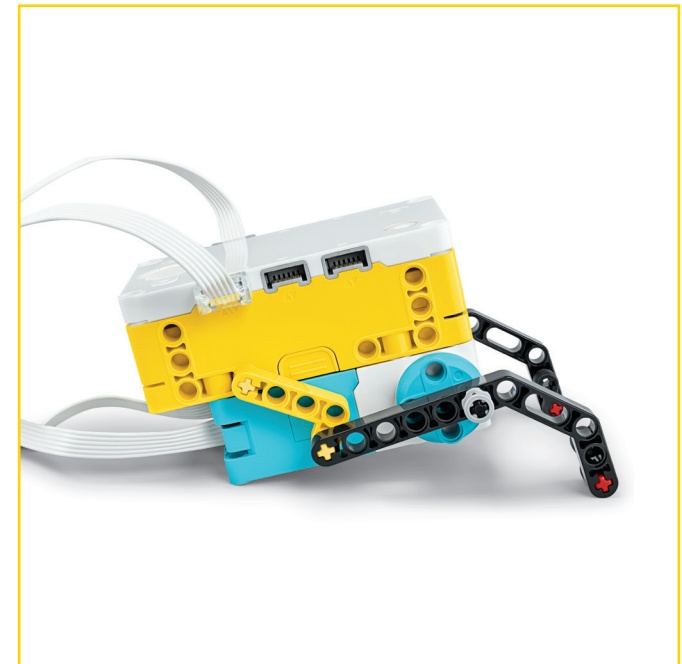
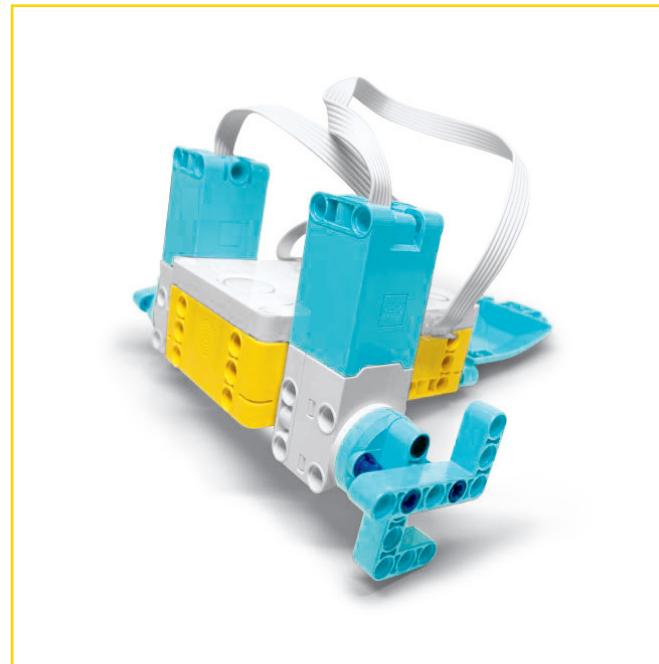
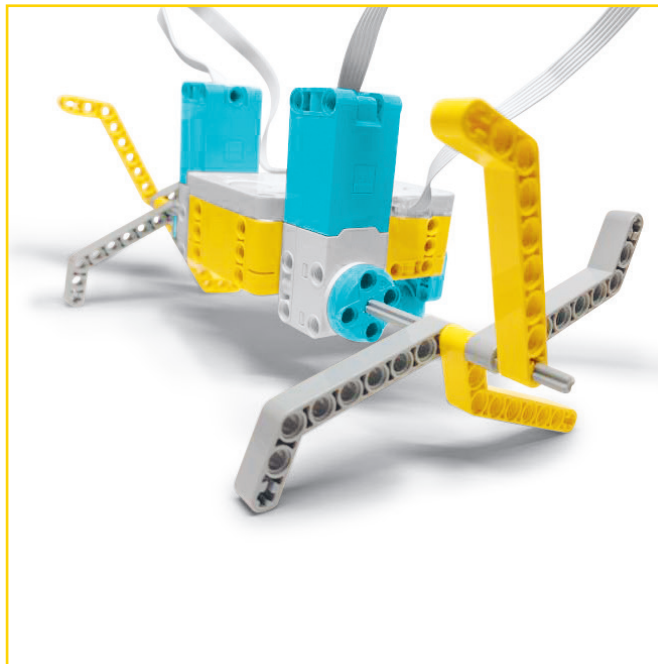
**Think Like an Engineer:**  
How can you propel your robot forward without wheels?

**Think Like a Physicist:**  
How will the length of your robot's legs affect its motion?



## Example Ideas

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

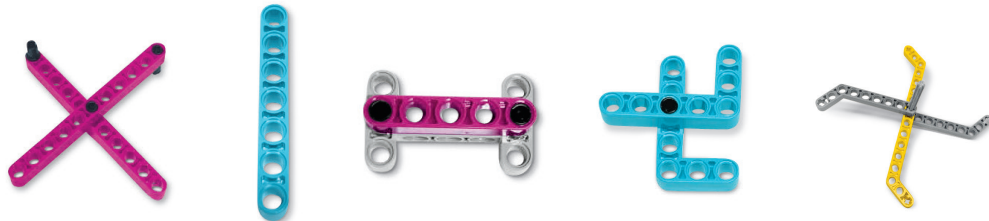


● Beginner   ✂ All Skills   ⚙ Mechanics & Movement

## 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 legs:

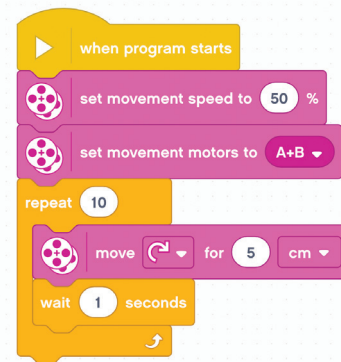


You can use these as stabilizers or supports:



## Code It!

Try making your robot stop in between rotations. How fast do you want your robot to move?



### Try to Modify It:

Use a sensor to keep your robot from hitting a wall.  
Do you want your motors to move together or alternate?

## Challenge Yourself!

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