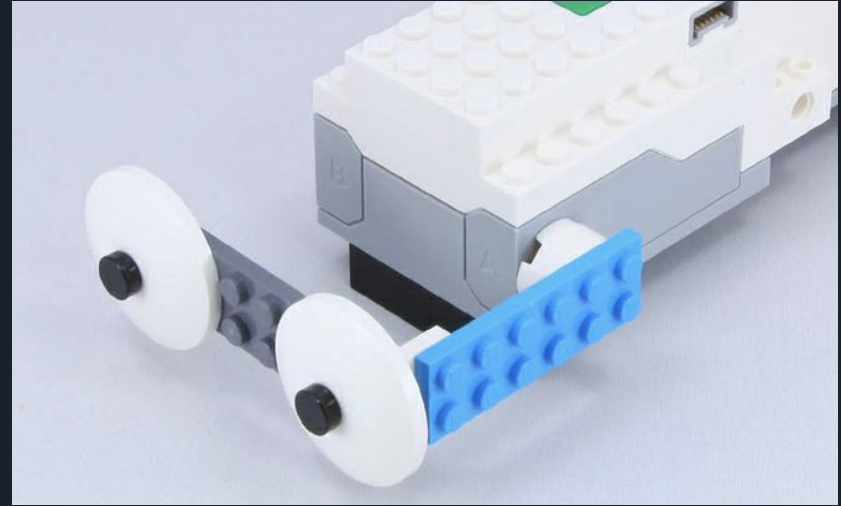
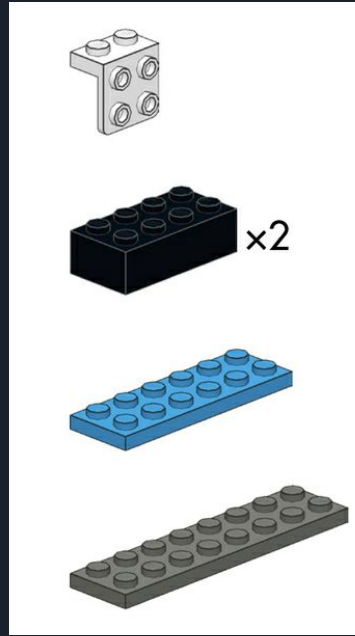
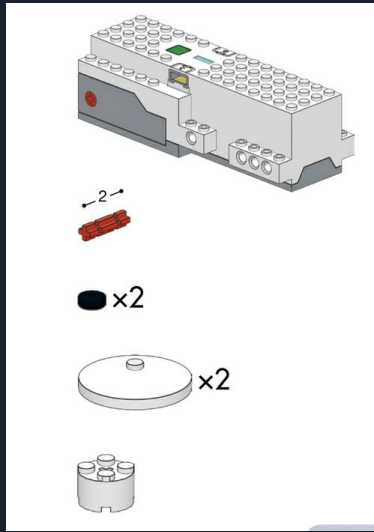




Tilt Sensor

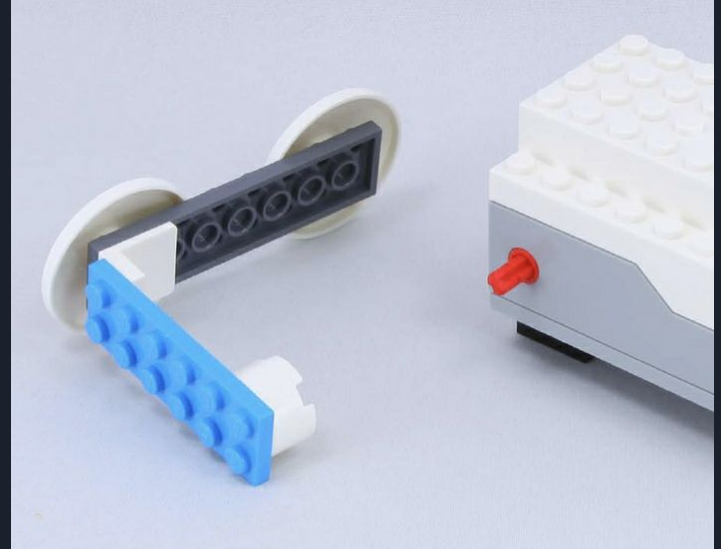
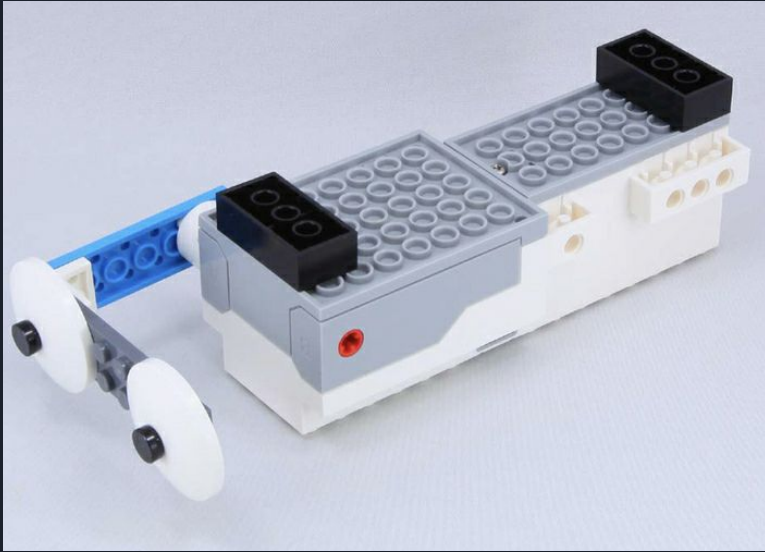
2 Ways

Tilt Sensor with Move Hub Building - Part 1



Gather your parts and check out
the next slides for building help.

Tilt Sensor with Move Hub Building - Part 2



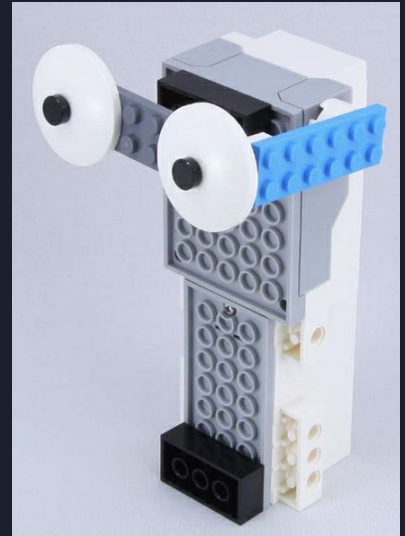
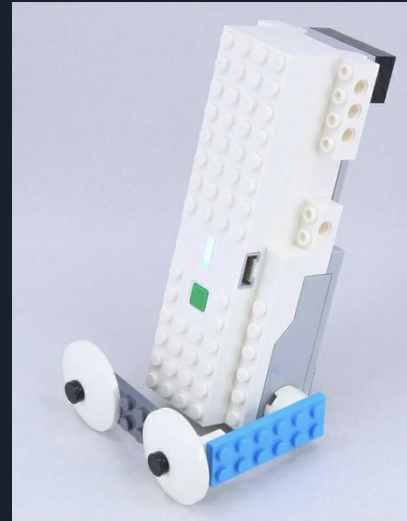
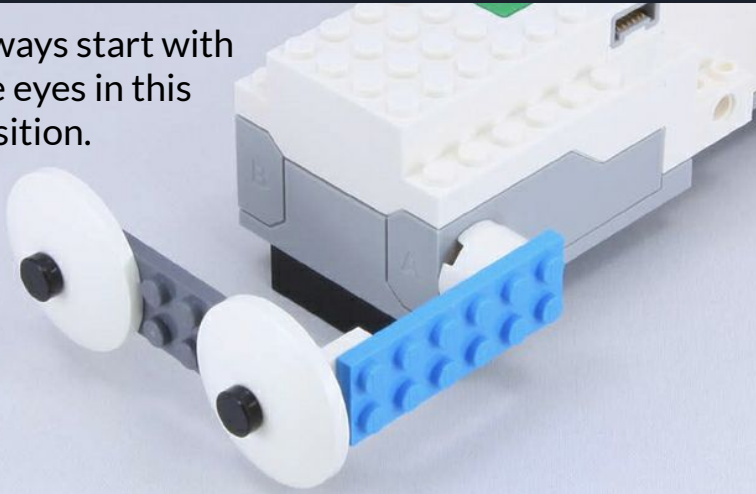
Build your robot and go to the next slide to see how the programming will work.

Tilt Sensor with Move Hub Programming



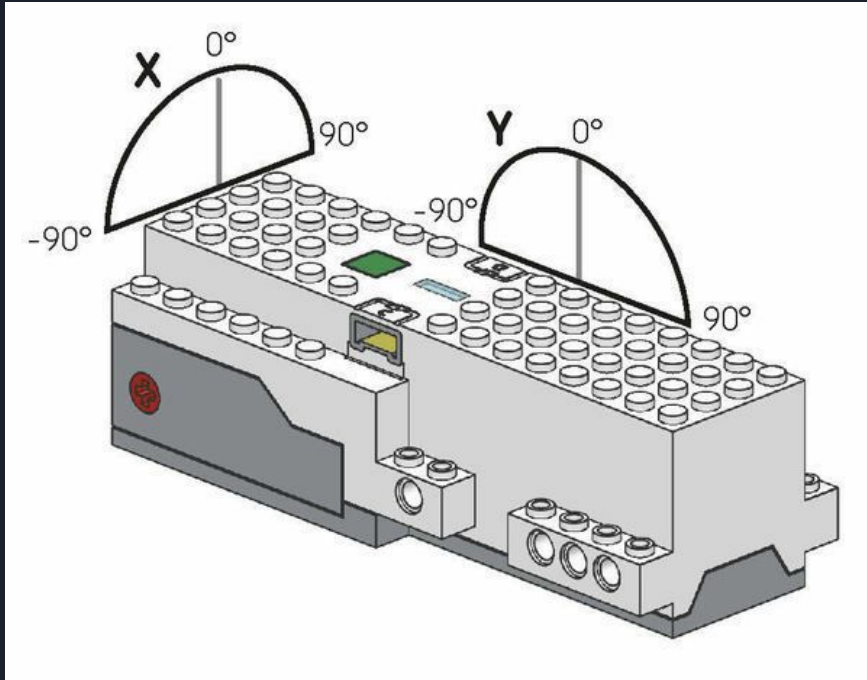
The robot's eyes will always face front.
Change the position of the Move Hub like
you see in the photos.

Always start with
the eyes in this
position.



Using the Tilt Sensor in Programming

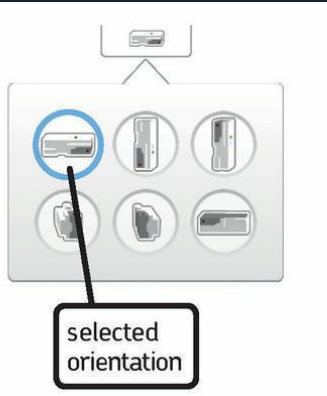
Tilt Sensor in the Move Hub ~ How it Works



The Move Hub has a built in tilt sensor that can measure how it is oriented and it can report the tilt angles along the X and Y axes.



The Tilt Sensor Blocks



A. **Trigger on Hub Orientation** - Starts the sequence when the Move Hub is oriented in the position shown by the icon at the bottom of the block.



B. **Wait for Hub Orientation** - pauses the sequence, waiting for Move Hub to be oriented as shown in icon.



C. **Hub Orientation Reporter** - displays the current Move Hub orientation.



D. **Hub Tilt X Reporter** - displays the current tilt angle of the Move Hub along the X axis, showing whether it is leaning left or right.



E. **Hub Tilt Y Reporter** - displays the current tilt angle of the Move Hub along the Y axis, showing whether it is leaning forward or backward

Tilt Sensor

Using it in a program.



This program makes MARIO stop when it's lifted off the ground and then continue moving when it's put back down.

Use it with MARIO or another robot.