pico bricks

picobricks.com

GitHub

rbt.ist/mblondoneyegithub

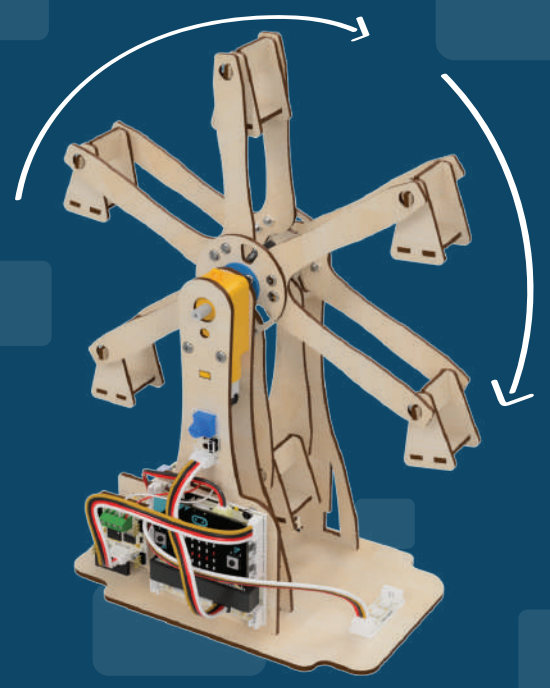
RobotistanINC
Selim GAYRETLI (Content) - Mehmet Suat MORKAN (Editor) - Elanur TOKALAK (Designer) - Sercan OKAY (Industrial Design)
3 Germany Drive STE 4 #1430 Wilmington, DE 19804
hello@robotistan.com

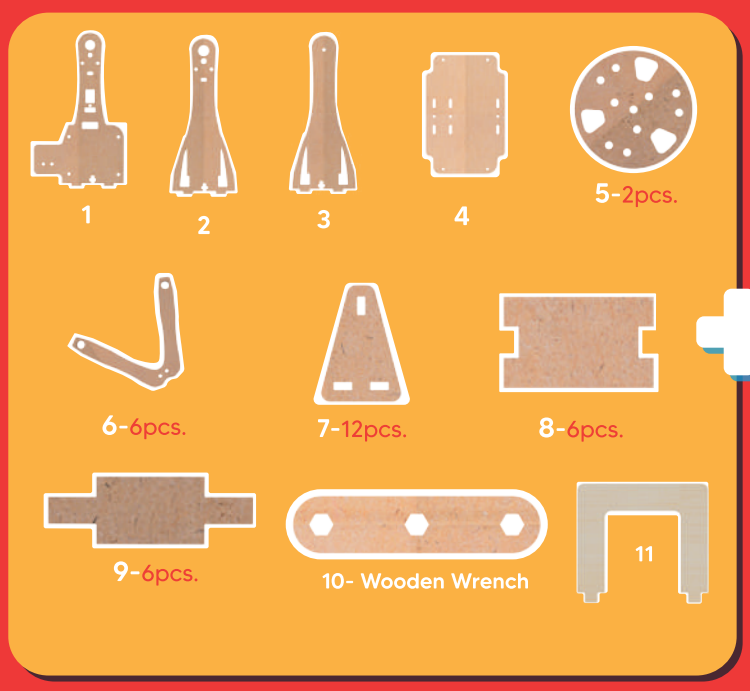
pico bricks

MicroBlocks · ARDUINO · Microsoft MakeCode · Thonny · Python

London Eye

Instruction Manual





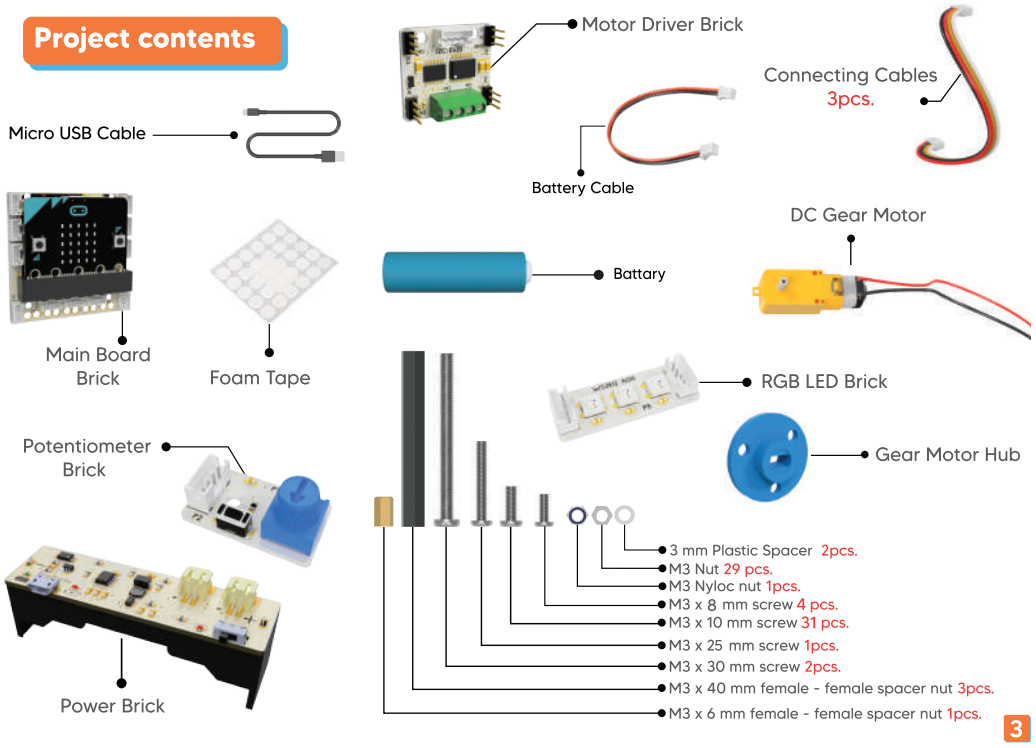
Potentiometer

Motor Driver

DC Motor

PicoBricks Main Board Module

Project contents



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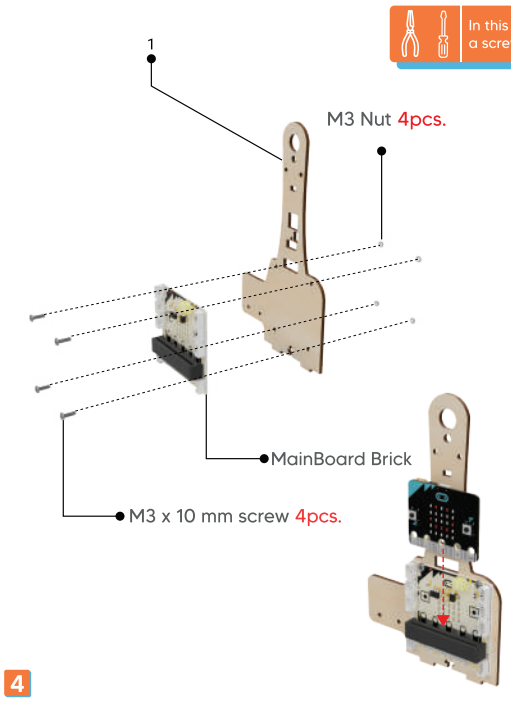
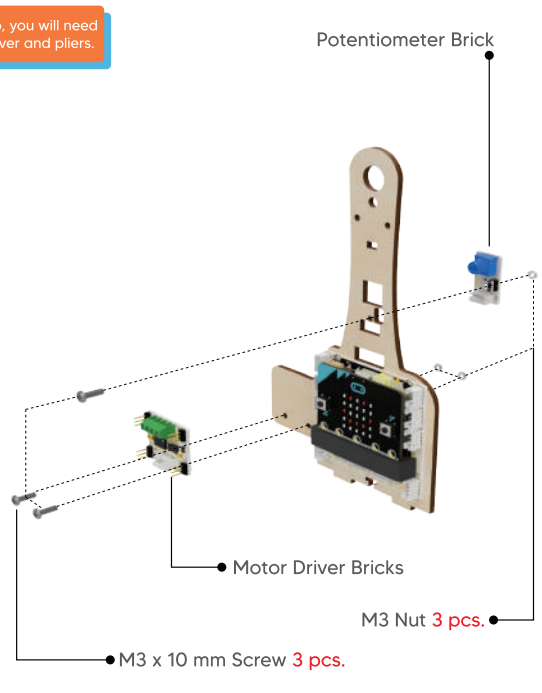
In this step, you will need a screwdriver and pliers.





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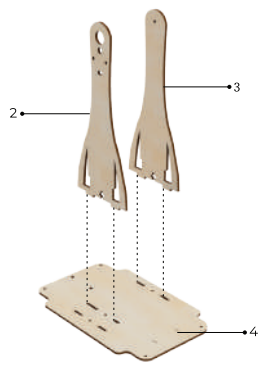

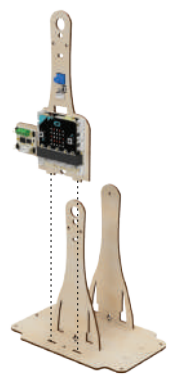

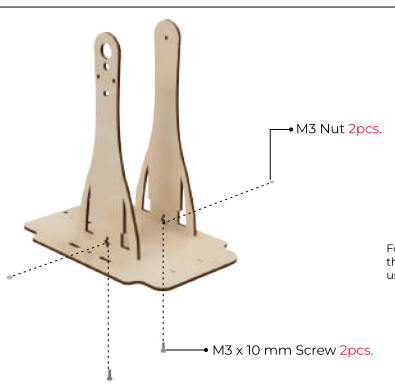

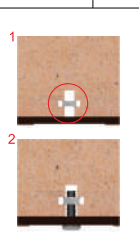

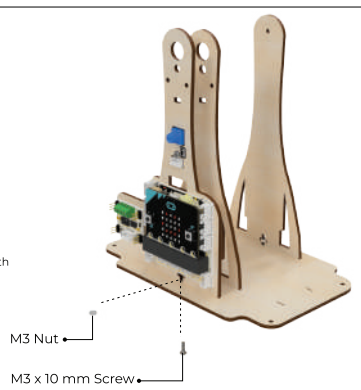

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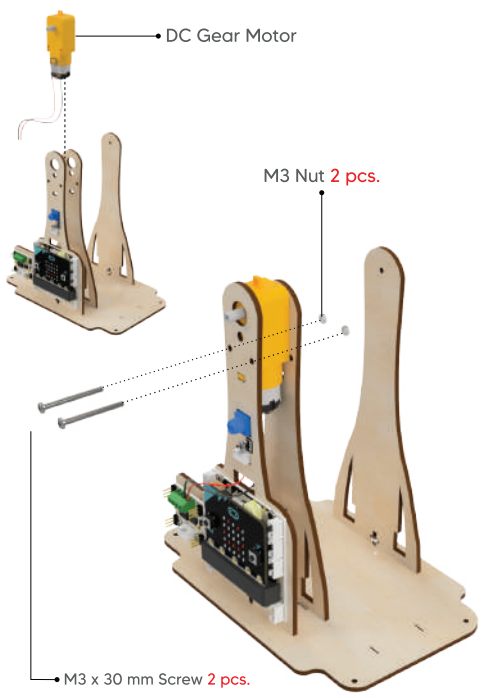

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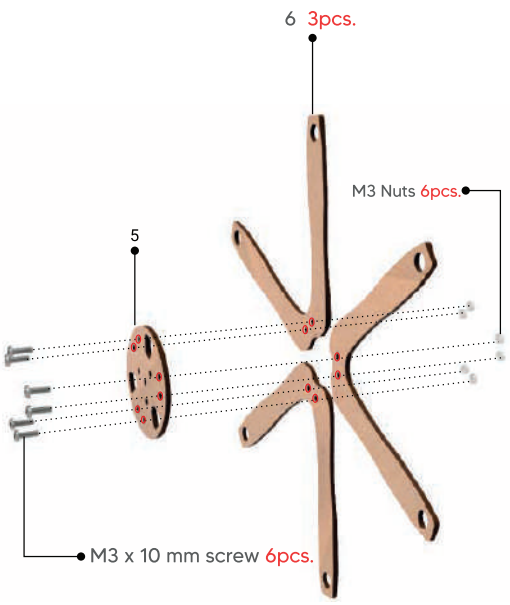
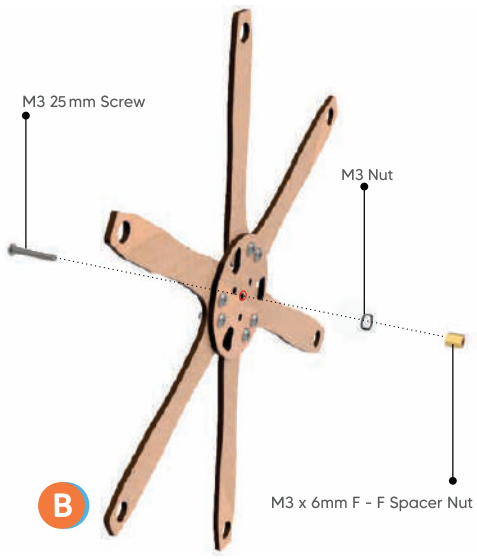
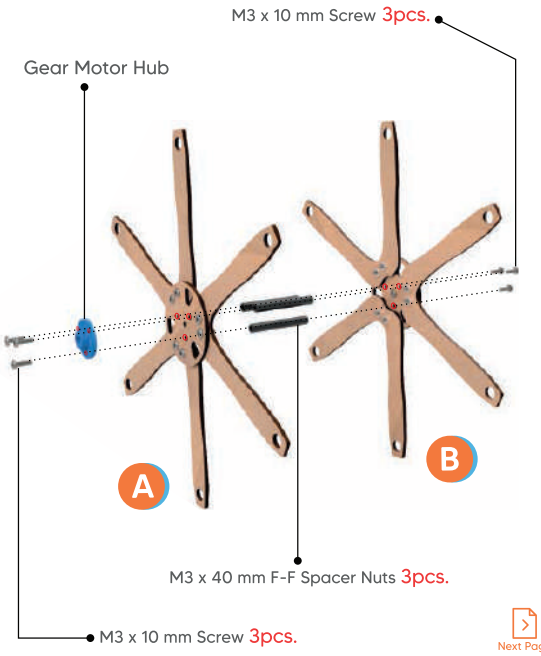


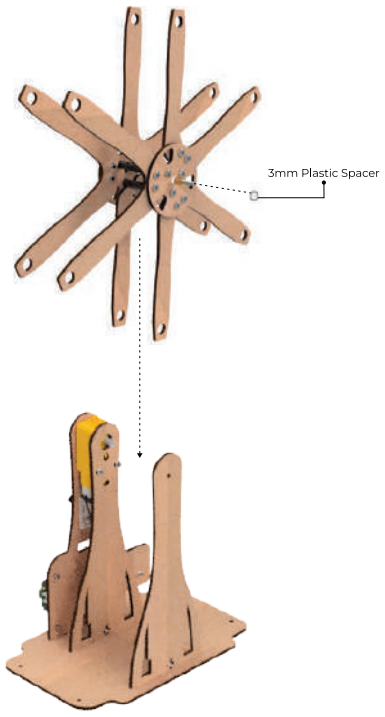
Complete this step one more time with the same parts

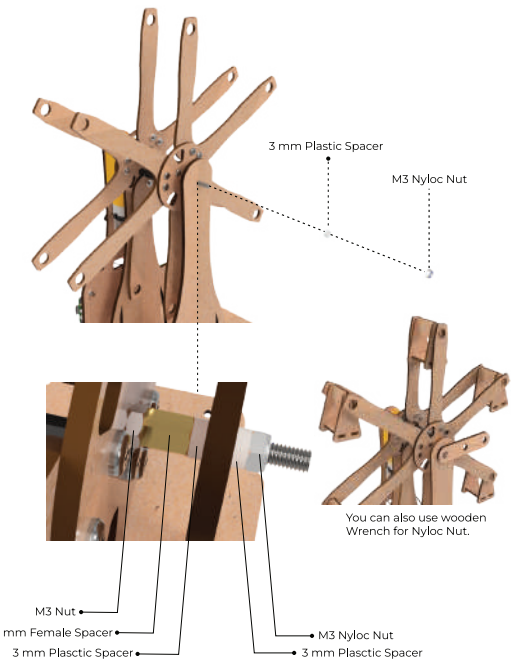


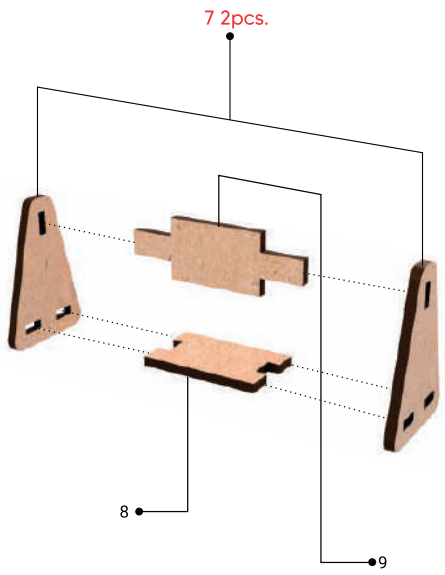


Next Page

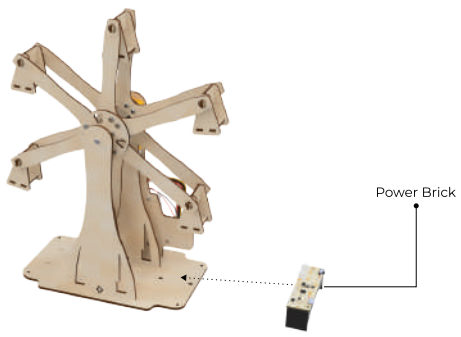
7

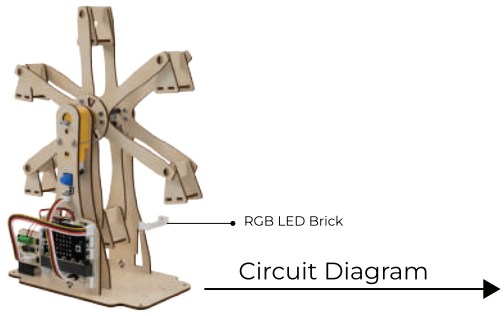




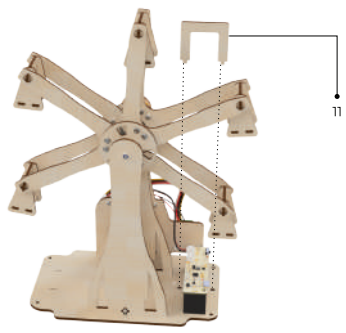


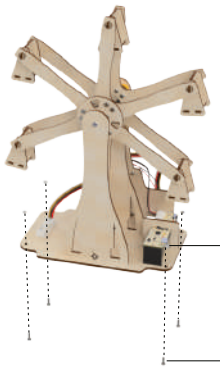
Complete this step five more time with the same parts





Circuit Diagram





*If your Ferris Wheel is shaking while working, you can adjust the height level as seen in the image.

M3 Nut 4 pcs.

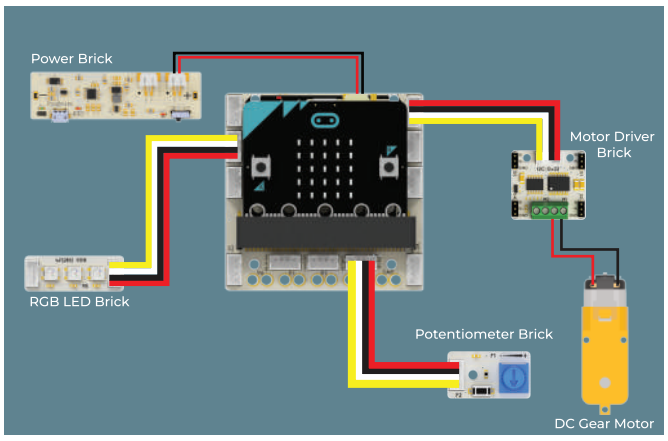
M3 x 10 mm Screw 4 pcs.

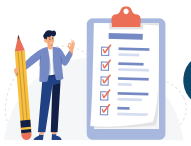
Let's Get To Know The Circuit Elements

Potentiometer: It is an input sensor that we can change the resistance value applied to the circuit with a physical intervention.

Motor Driver: It is a circuit element that adjusts the speed and frequency of the circuit elements.

DC Motor: It provides rotational motion in mechanical projects that require rotational movement.





CHECKLİST

If (London Eye) is not working properly after completing the installation, you can check the steps below.

- ☐ Are you sure that the capacity of the battery you use is fully charged?
- ☐ Did you insert the battery by paying attention to the polarity?
- ☐ Did you correctly connect Micro:bit Board to the main board?
- ☐ Did you connect the DC motor to the pin specified in the code?
- ☐ Did you correctly plug the modules into the correct sockets?
- ☐ Make sure that Nyloc Nuts are not so tight, otherwise mechanical parts won't be working properly.

By scanning the QR code, you can access sample code for the project, STEM activity examples, and educational content. The Ferris Wheel Education Book includes the Picobricks IDE, MicroBlocks, Thonny, and Arduino code, necessary for the project, as well as computing and unplugged STEM activities for educators.

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