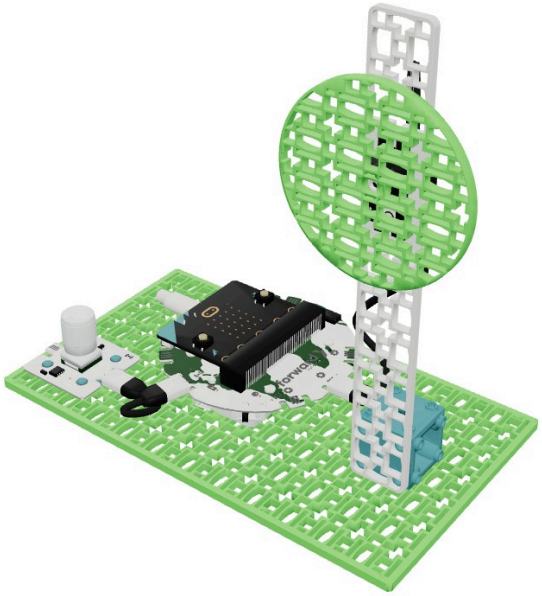
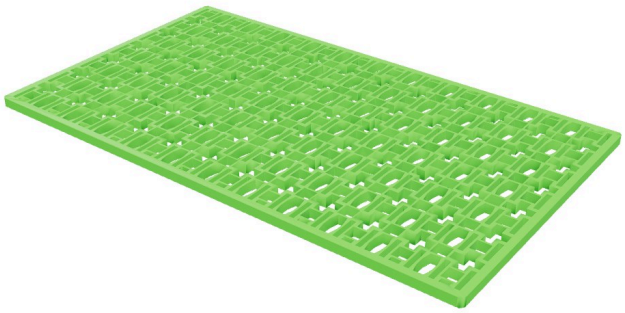
# Powerful Force of Wind

11 steps · 11 parts



## You will need

- 1 × Base Plate
- 1 × Cube Connector
- 1 × Long Frame
- 1 × Circle
- 1 × Continuous Servo Motor
- 1 × Rotary Dial
- 1 × Cable Extender
- 1 × Long Cable Connector
- 1 × micro:bit
- 1 × Short Cable Connector
- 1 × Micro USB Cable

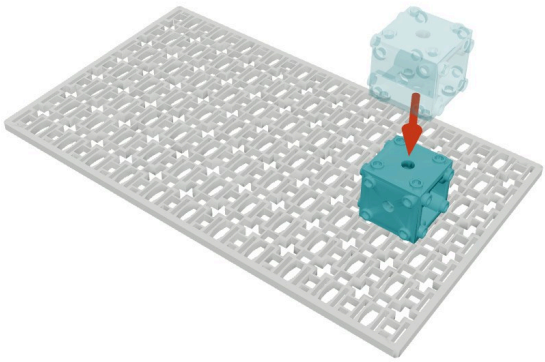


## 1

Place the Base Plate flat on the workspace.



1 × Base Plate

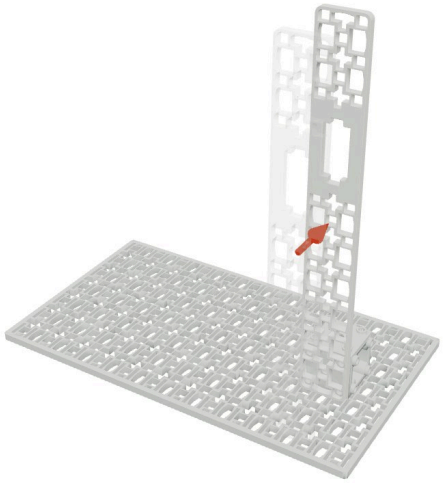


## 2

Press a Cube Connector onto the Base Plate, near its right end.



1 × Cube Connector

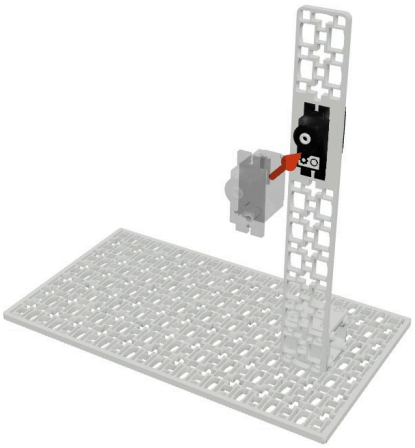


## 3

Stand a Long Frame up and attach it to the front of the Cube Connector.



1 × Long Frame

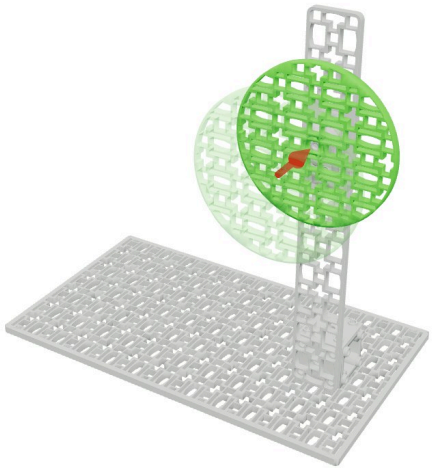


## 4

Push the Continuous Servo Motor into the slot near the top of the Long Frame, with its shaft facing out the front.



1 × Continuous Servo Motor



## 5

Press a Circle onto the servo's shaft. This is the turbine's rotor.



1 × Circle



## 6

Place the Breakout Board on the Base Plate, to the left of the tower.



1 × Breakout Board (empty)



## 7

🔌 Join the servo's lead to a Long Cable with the Cable Extender, then plug the cable into a servo port on the Breakout Board.



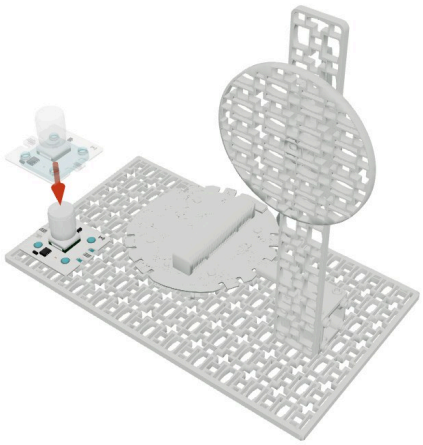
1 × Cable Extender



1 × Long Cable Connector

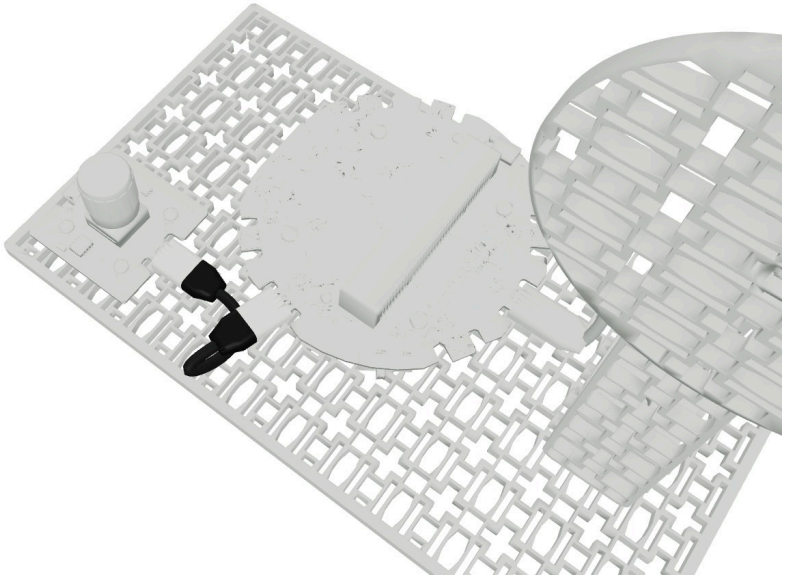
## 8

Press the Rotary Dial onto the left end of the Base Plate.





1 × Rotary Dial

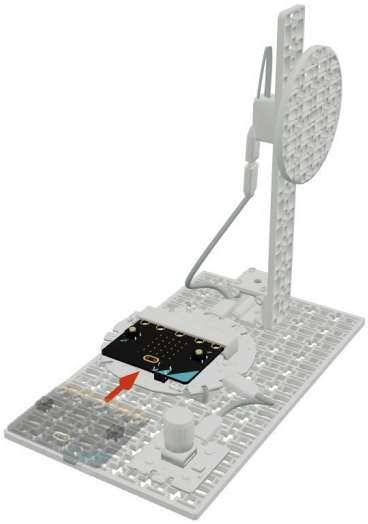


## 9

🔌 Use a Short Cable to connect the Rotary Dial to a port on the top of the Breakout Board.

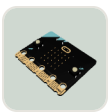


1 × Short Cable Connector

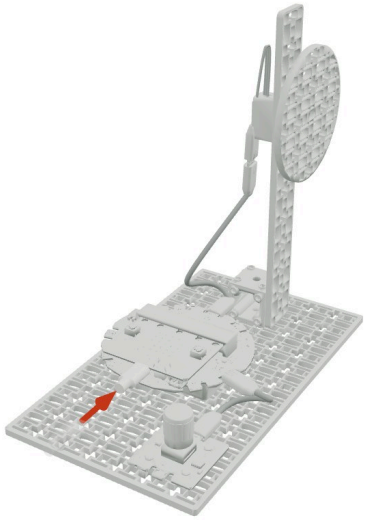


## 10

Insert a micro:bit into the edge connector on the Breakout Board.



1 × micro:bit



# 11

Insert the Micro USB Cable into the micro:bit, and the other end into your computer.



1 × Micro USB Cable