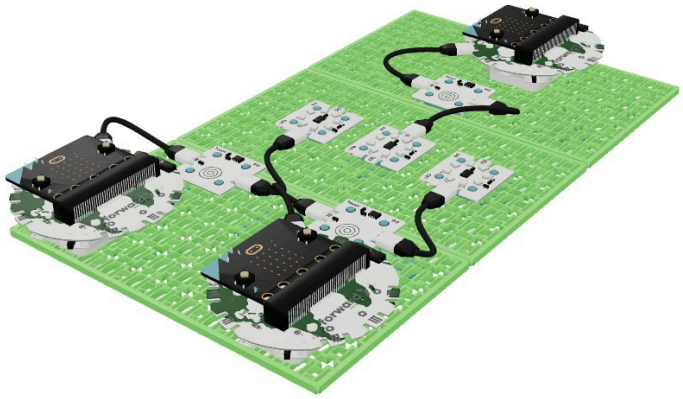
# Wampum Belt

15 steps · 33 parts



## You will need



3 × Base Plate



9 × Back-to-Back Connector



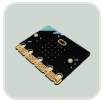
3 × Long Frame



3 × LED Light



3 × Touch Sensor



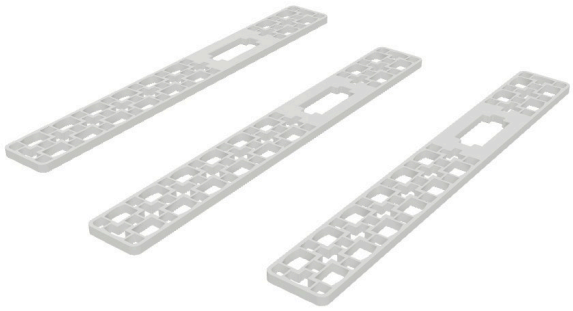
3 × micro:bit



6 × Short Cable Connector



3 × Breakout Board (empty)

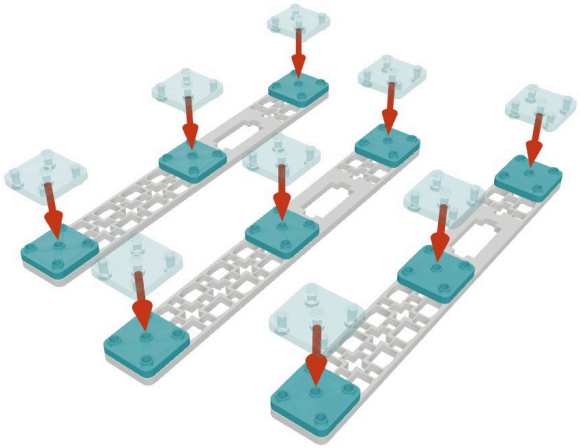


## 1

Start by placing three Long Frames down on your build surface.

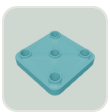


3 × Long Frame

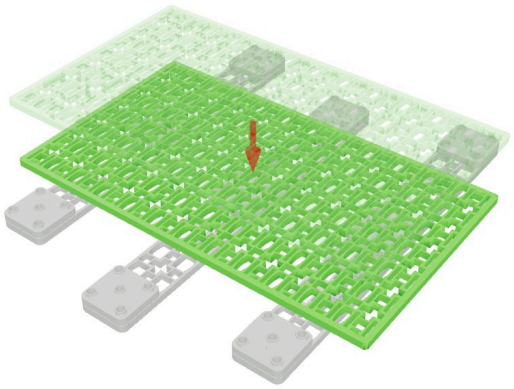


## 2

Attach three Back-to-Back Connectors to each Long Frame. They should be positioned on either end of the Long Frame, with one in the middle.



9 × Back-to-Back Connector

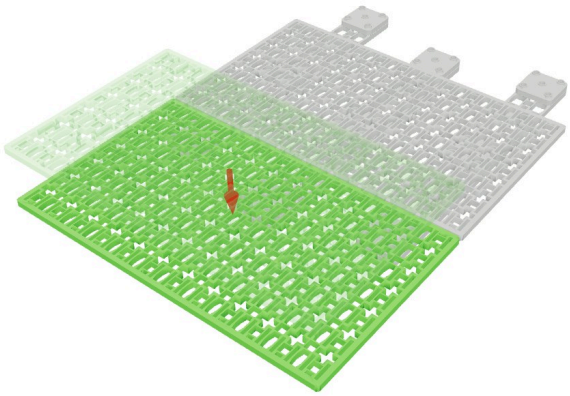


## 3

Attach a Base Plate on top of the three Long Frames using the Back-to-Back Connectors.



1 × Base Plate

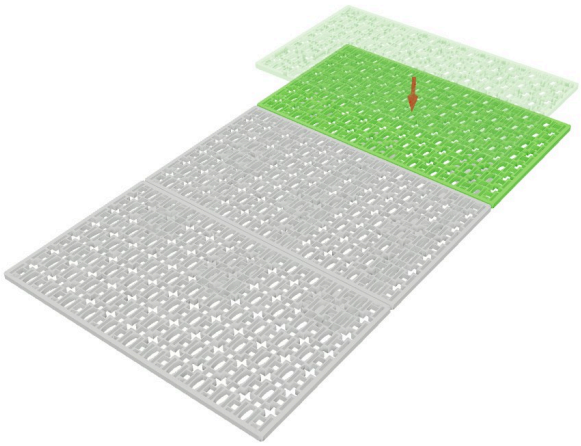


## 4

Attach another Base Plate, using the Back-to-Back Connectors to secure it in place.



1 × Base Plate

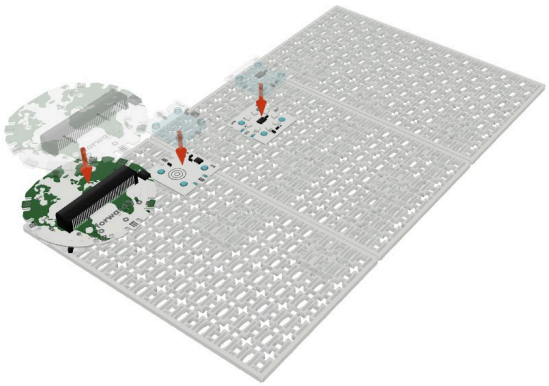


## 5

Attach the last Base Plate, using the Back-to-Back Connectors to secure it in place.



1 × Base Plate



## 6

Add a Breakout Board, Touch Sensor, and LED Light to the top left of the Base Plate assembly.



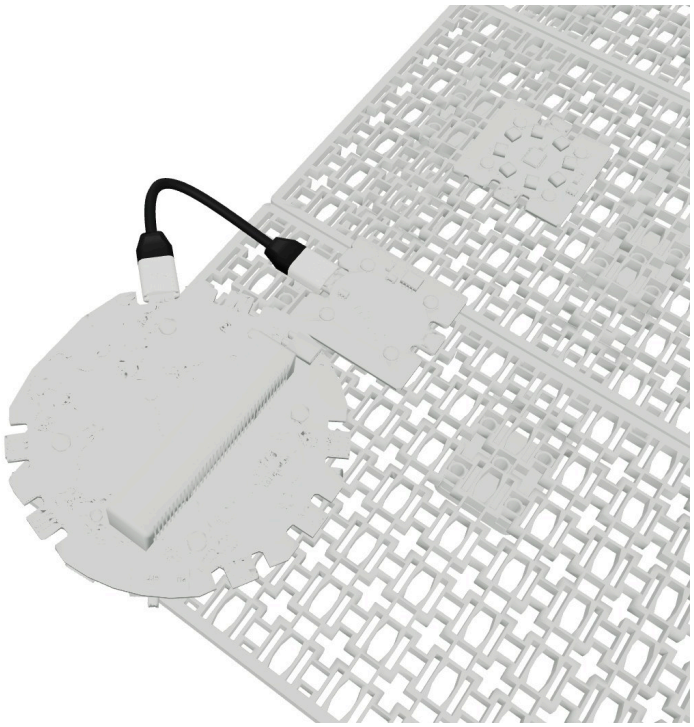
1 × Breakout Board (empty)



1 × Touch Sensor



1 × LED Light



## 7

🔌 Use a Short Cable to connect the Touch Sensor to a Sensor port on the Breakout Board.



1 × Short Cable Connector

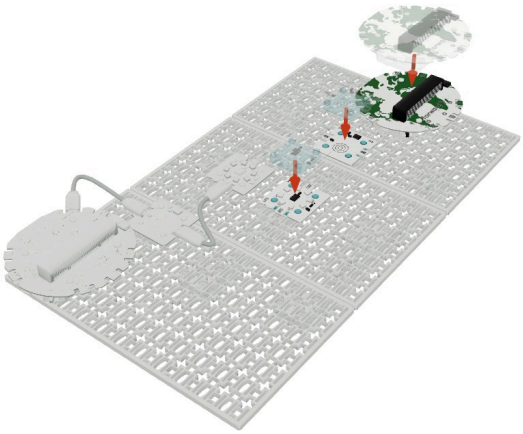


## 8

🔌 Use a Short Cable to connect the Touch Sensor to the LED Light.



1 × Short Cable Connector



## 9

Add a Breakout Board, Touch Sensor, and LED Light to the far right of the Base Plate assembly.



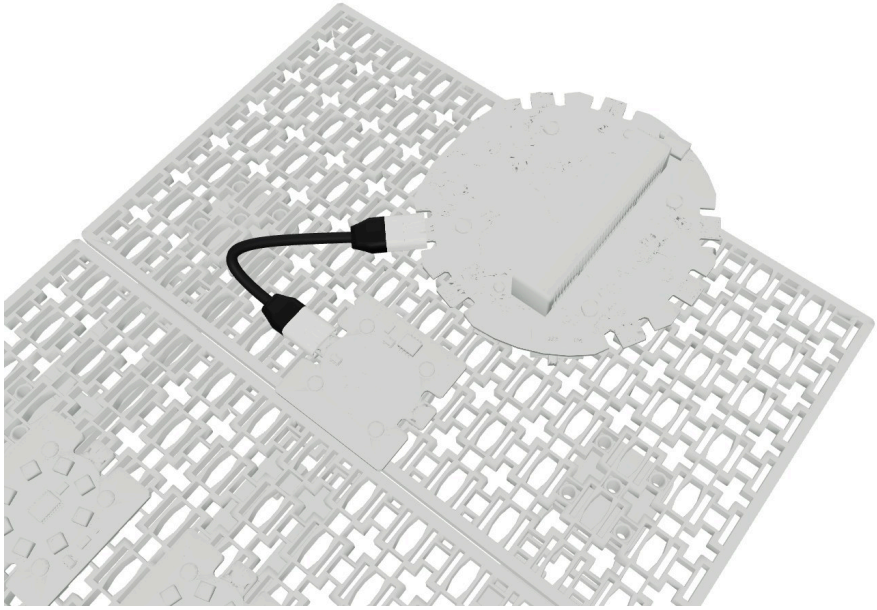
1 × Breakout Board (empty)



1 × Touch Sensor



1 × LED Light

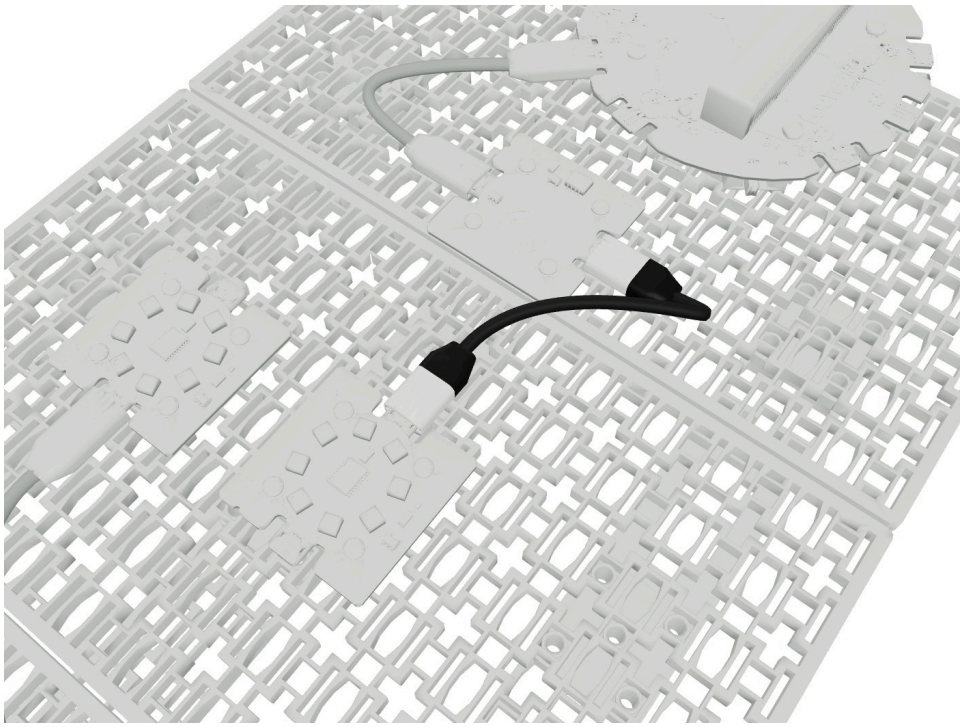


## 10

🔌 Use a Short Cable to connect the Touch Sensor to a Sensor port on the Breakout Board.



1 × Short Cable Connector



## 11

🔌 Use a Short Cable to connect the Touch Sensor to the LED Light.



1 × Short Cable Connector



## 12

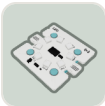
Add a Breakout Board, Touch Sensor, and LED Light to the bottom left side of the assembly.



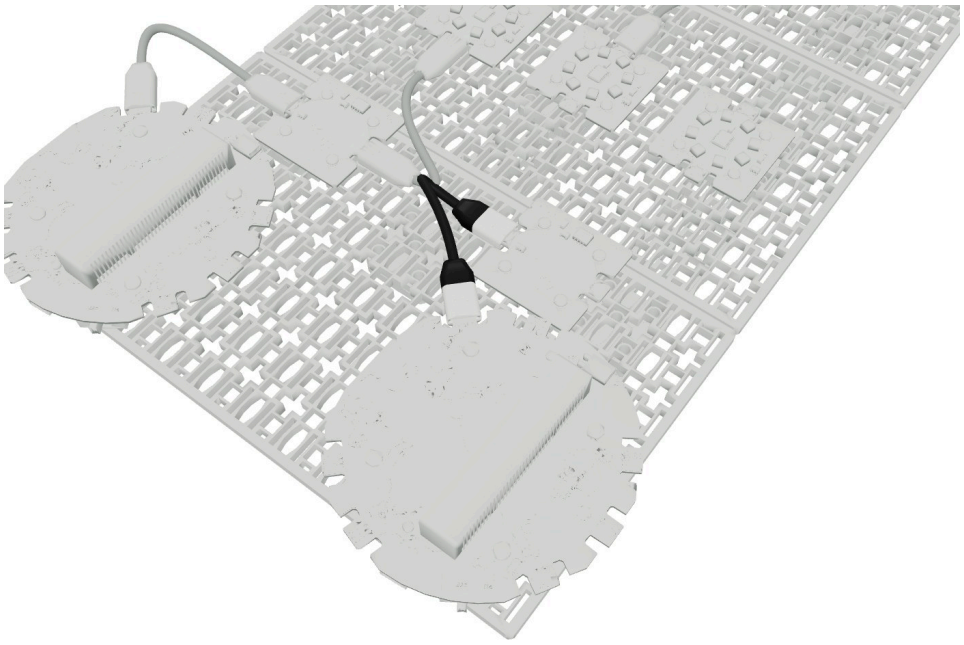
1 × Breakout Board (empty)



1 × Touch Sensor



1 × LED Light

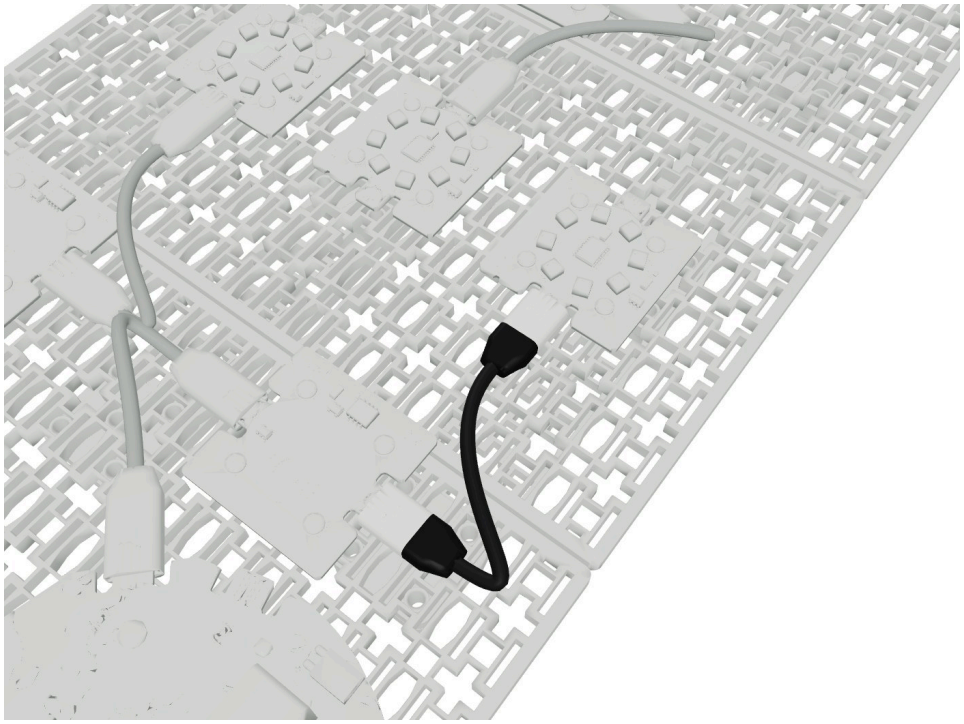


## 13

🔌 Use a Short Cable to connect the Touch Sensor to a Sensor port on the Breakout Board.



1 × Short Cable Connector

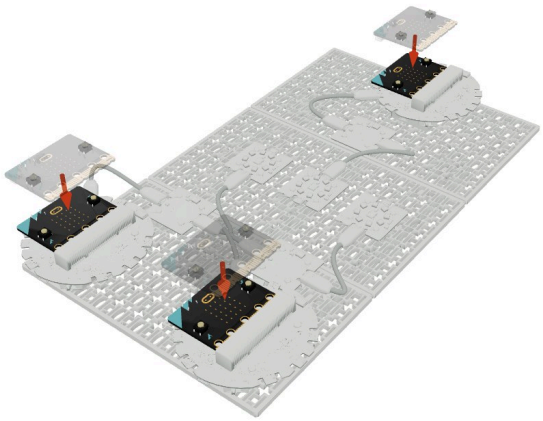


## 14

🔌 Use a Short Cable to connect the Touch Sensor to LED Light.

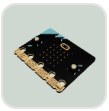


1 × Short Cable Connector



## 15

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



3 × micro:bit