

Chinese Seasonal Set Dragon Boat Race # 80103 Basic Version Lighting Kit

Package contents:

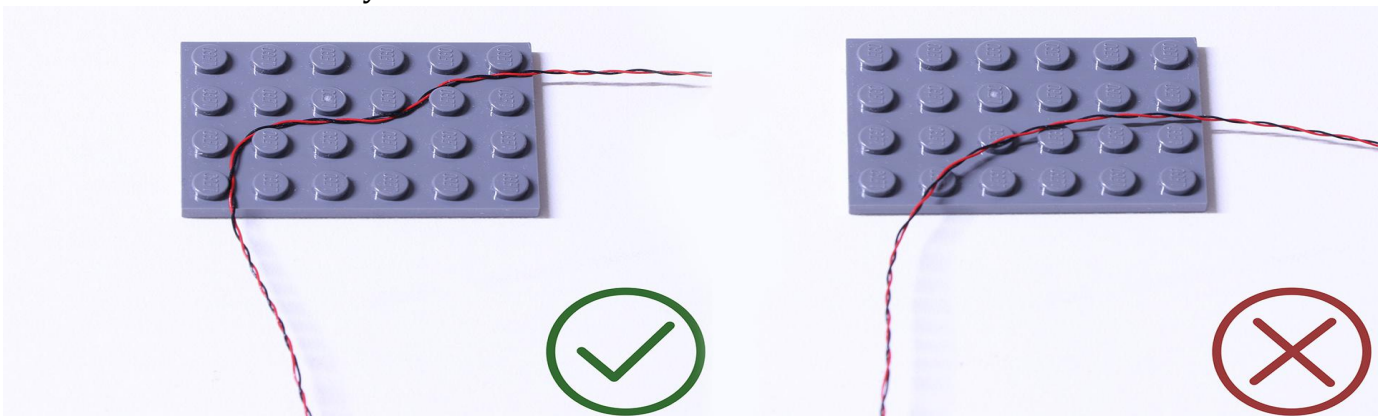
- 1 x Multi Colour Light String
- 2 x 15cm Warm White Dot Lights
- 2 x 30cm Warm White Dot Lights
- 1 x Blue Strip Light
- 1 x Warm White Strip Light
- 2 x 15cm Connecting Cables
- 1 x 30cm Connecting Cable
- 1 x 50cm Connecting Cable
- 3 x 6-port Expansion Boards
- 1 x USB Power Cable

Extra LEGO pieces

Note:

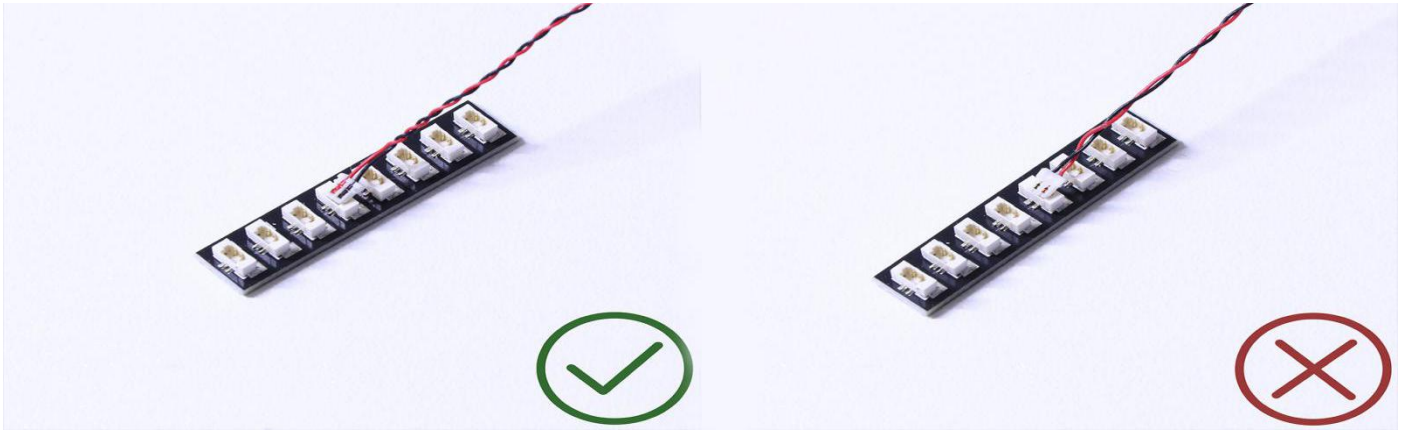
Place wires on the surface or under the LEGO building blocks.

The wire can be placed between the building blocks or under the block, but they should be placed between the studs correctly.

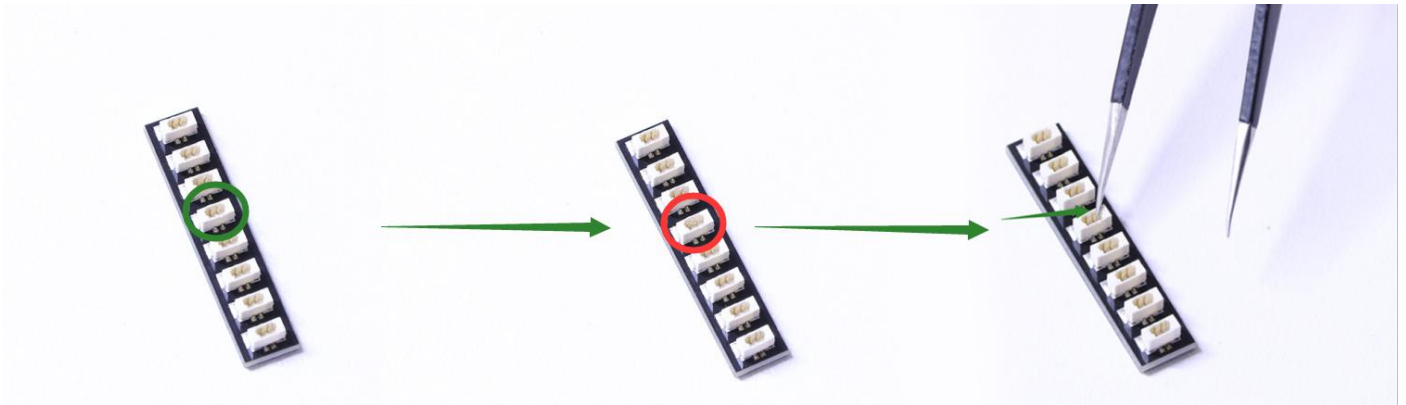


Insert the connectors to the ports.

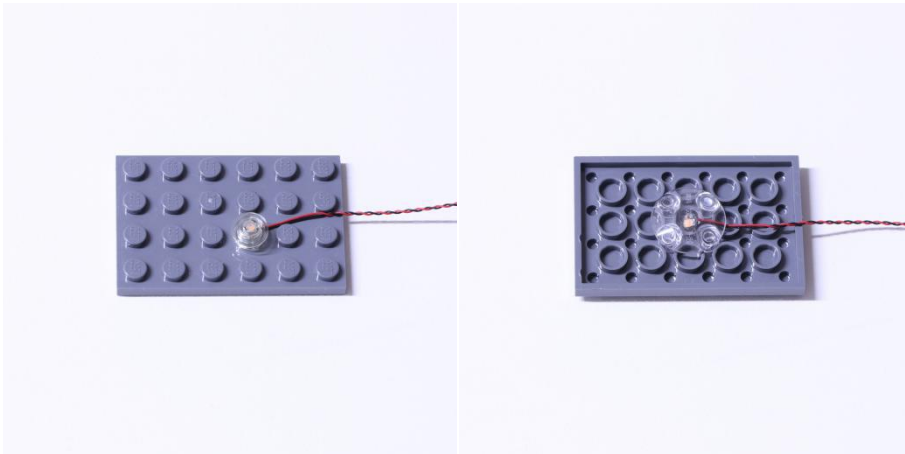
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, and don't force it, for that may result in bent pins inside the port or overheating of the expansion board.



At this point, use the tweezers to straighten the bent pins.

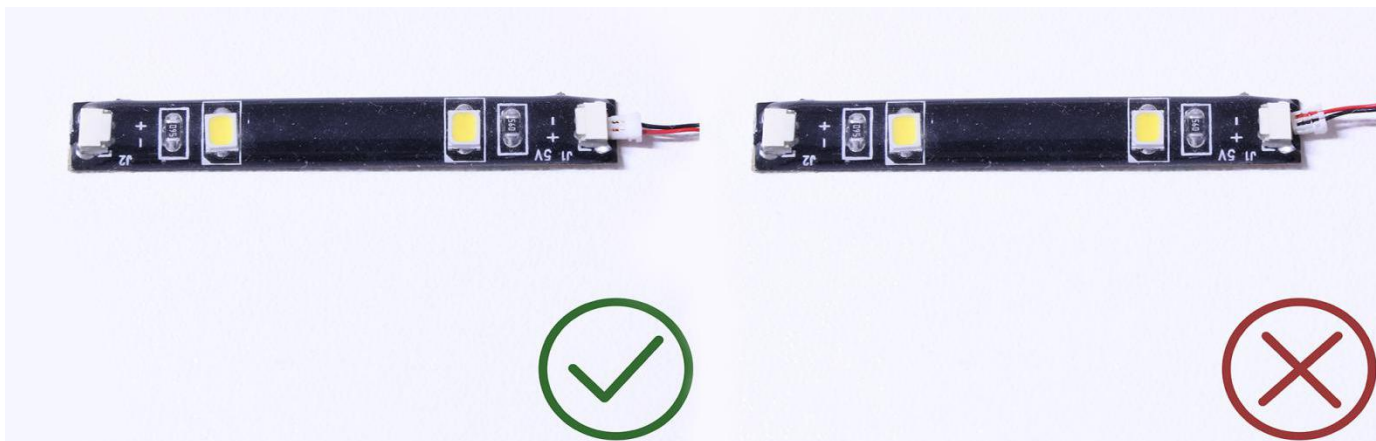


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

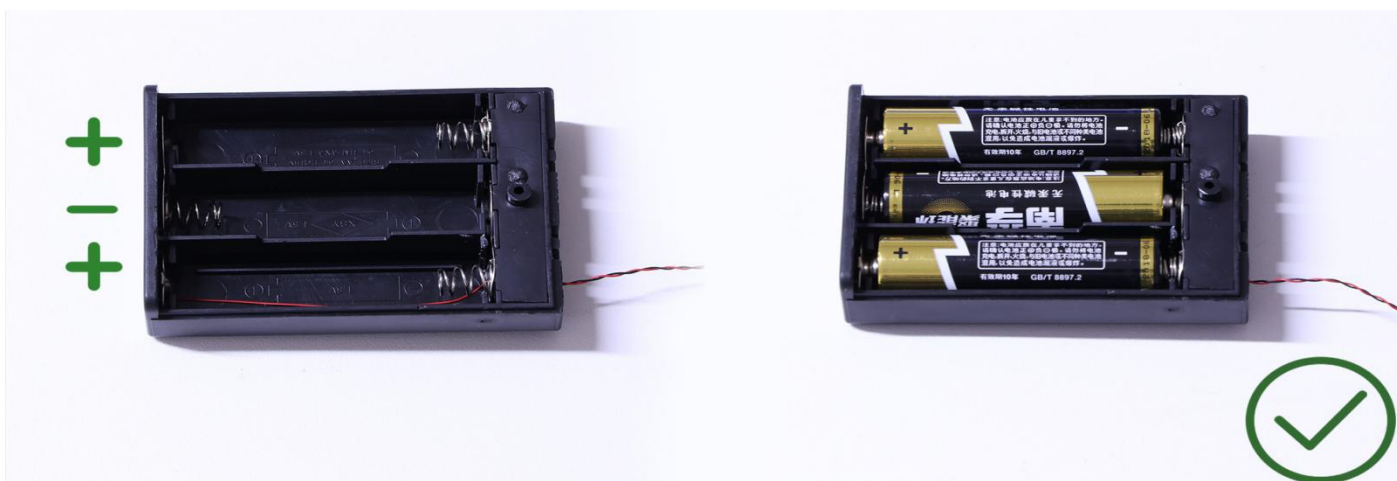


Connecting cable connectors to Strip Lights

Take extra care when inserting connectors to ports on the Strip Lights. Connectors can be inserted only one way. With the Strip Light facing up, ensure the side of the connector with the wires exposed is facing down. If a plug won't fit easily into a port connector, don't force it. Doing so will damage the plug and the connector.



Finally, please pay attention to the positive and negative terminals of the battery when installing the battery case.



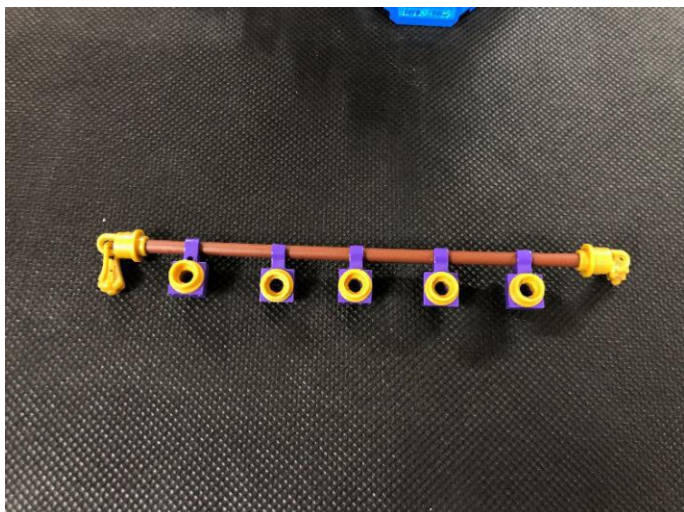
Instructions for installing this kit

Let' s start

Disconnect the attic and the corridor as per below



Remove the following piece



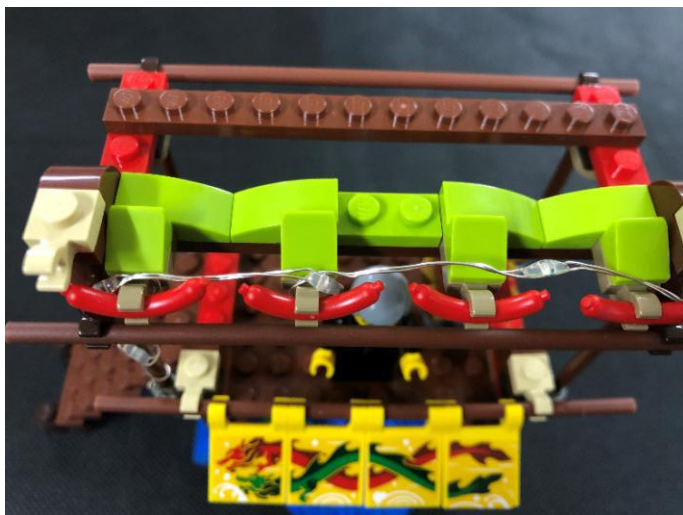
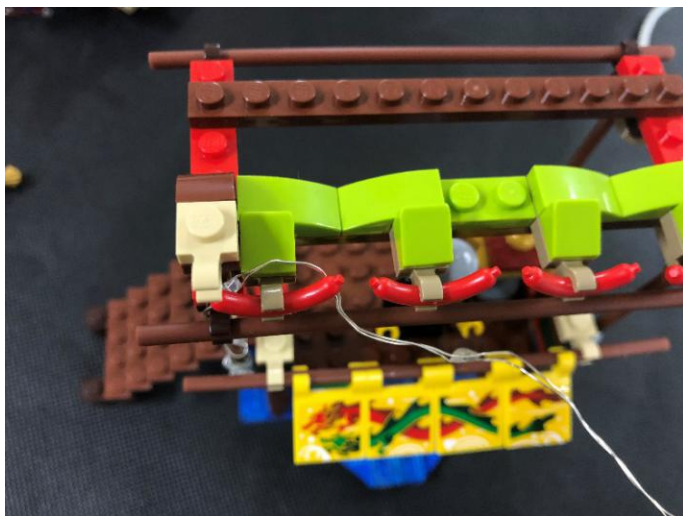
Take the Multi Colour Light String

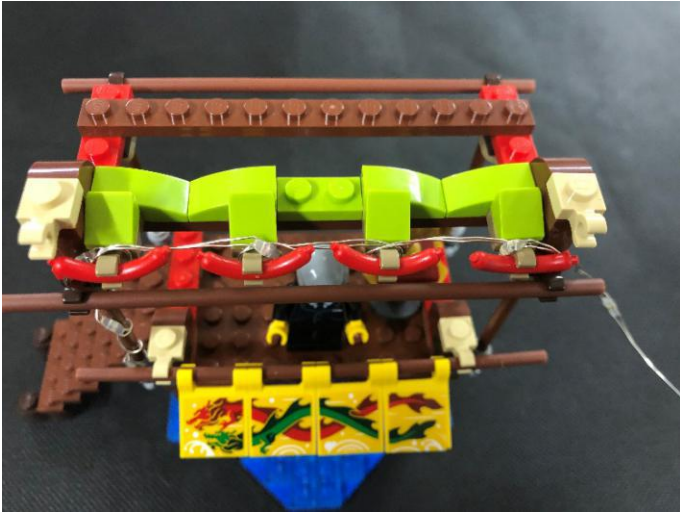


Start from the pole at the left side of the attic, wind the light string around the pole as per below



Place the light string along the eave as per below





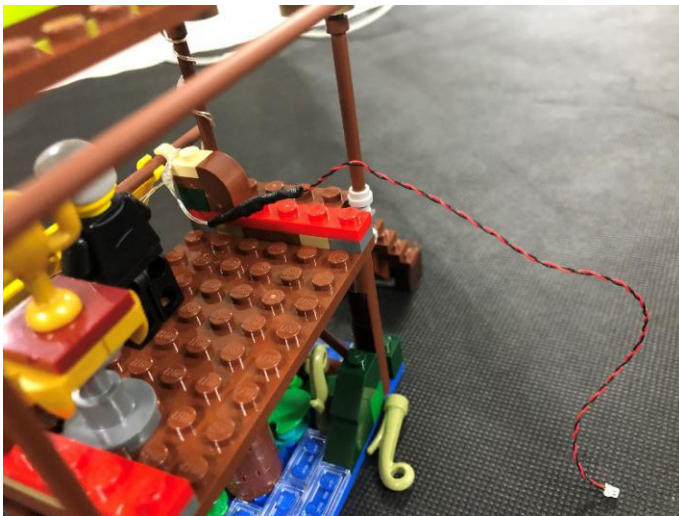
Continue to wind the light string downward around the pole at the right side



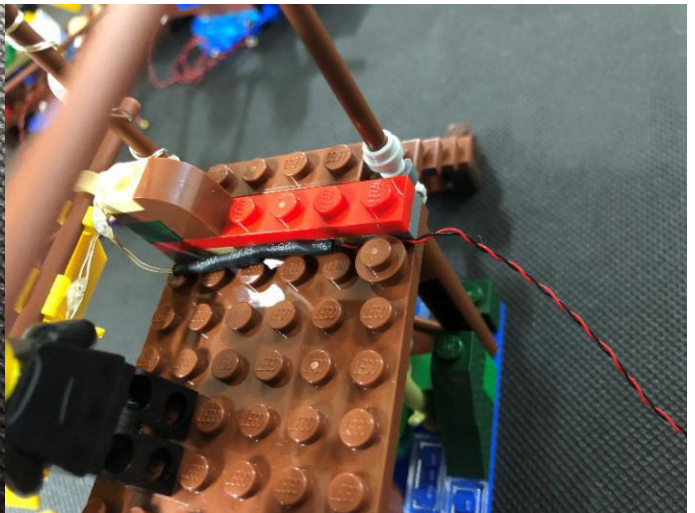
Then, place the string around the railing as per below



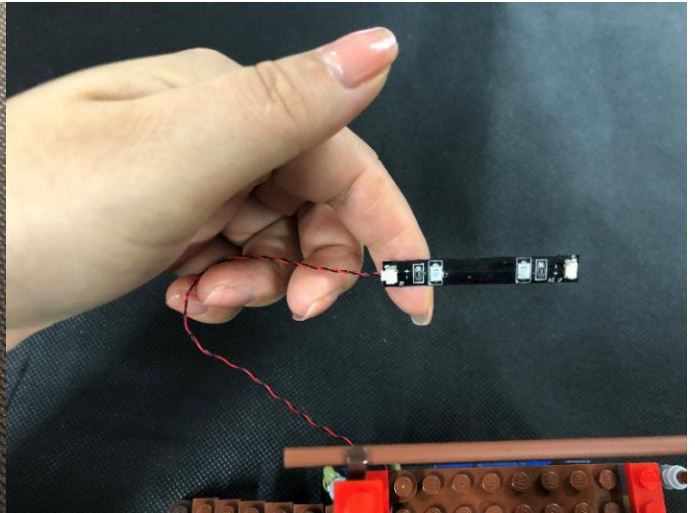
Wind the string around the light yellow piece twice, place the cable backward



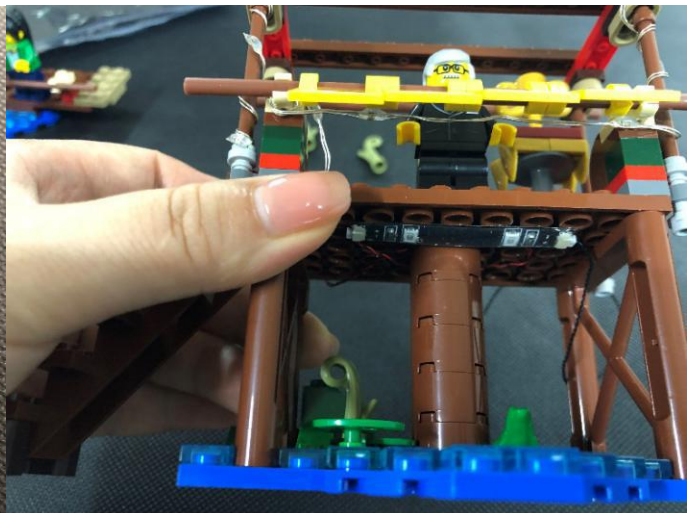
Secure the string by connecting a 1x1 piece over as per below



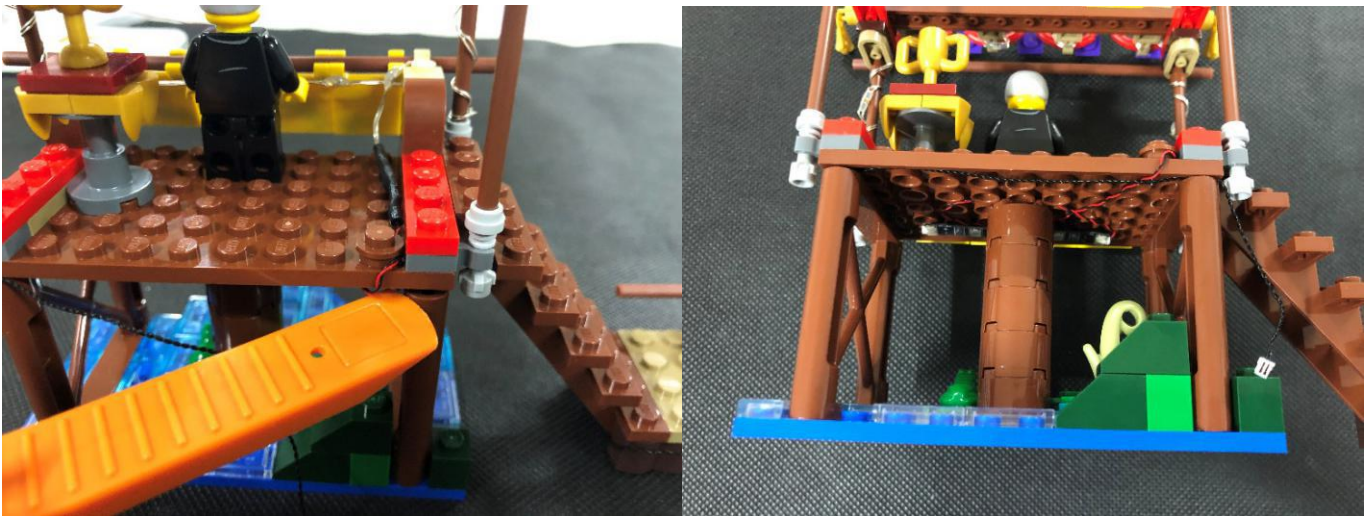
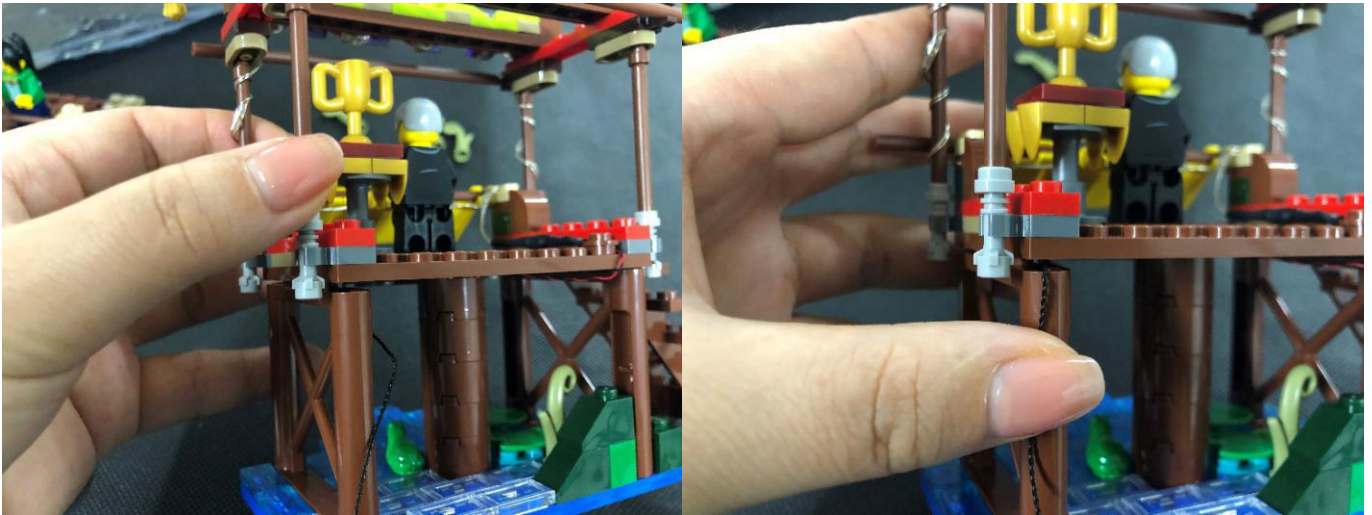
Take a blue strip light, connect the light string to its left port, stick the strip light to the ceiling of the first floor



Take a 15cm connecting cable, connect it to the right port of the strip light. Pull the cable to the back



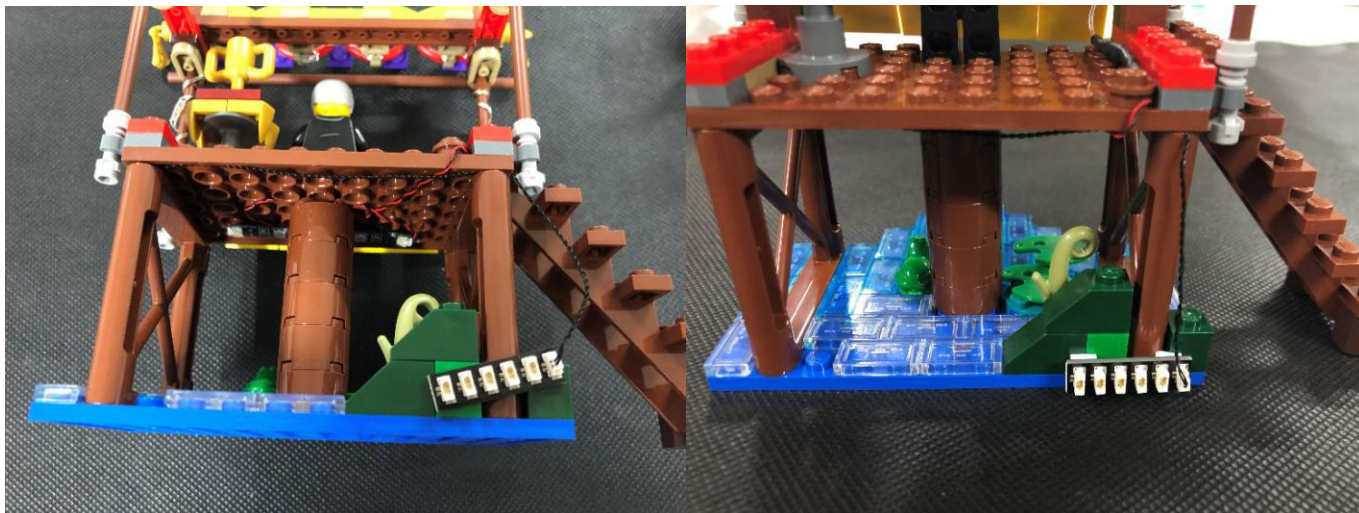
Lift the second floor to help to hide the cables as per below



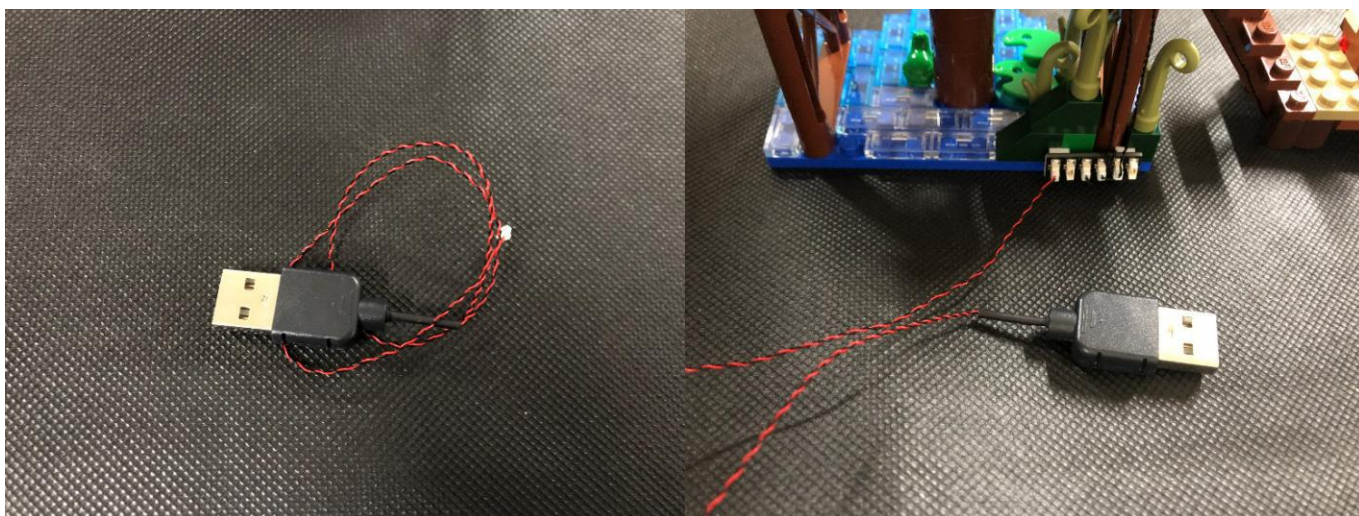
Take a 6-port expansion board



Connect the cable from the strip light to the expansion board, stick the expansion board to the following place by using the adhesive squares



Take the USB power cable, connect it to the expansion board



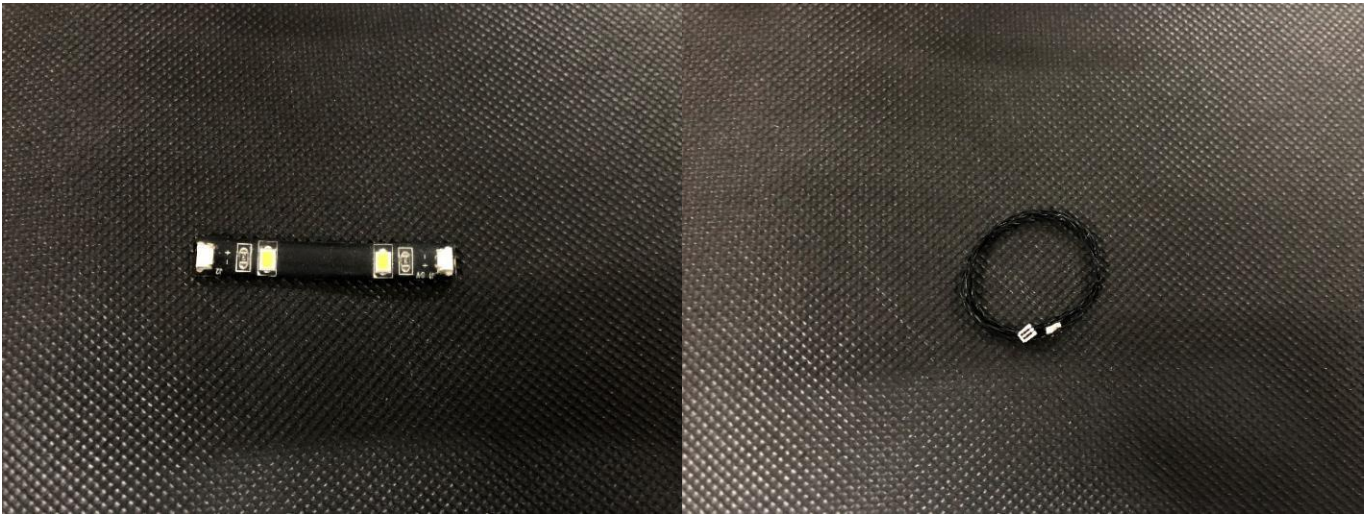
Turn the power on to test the current



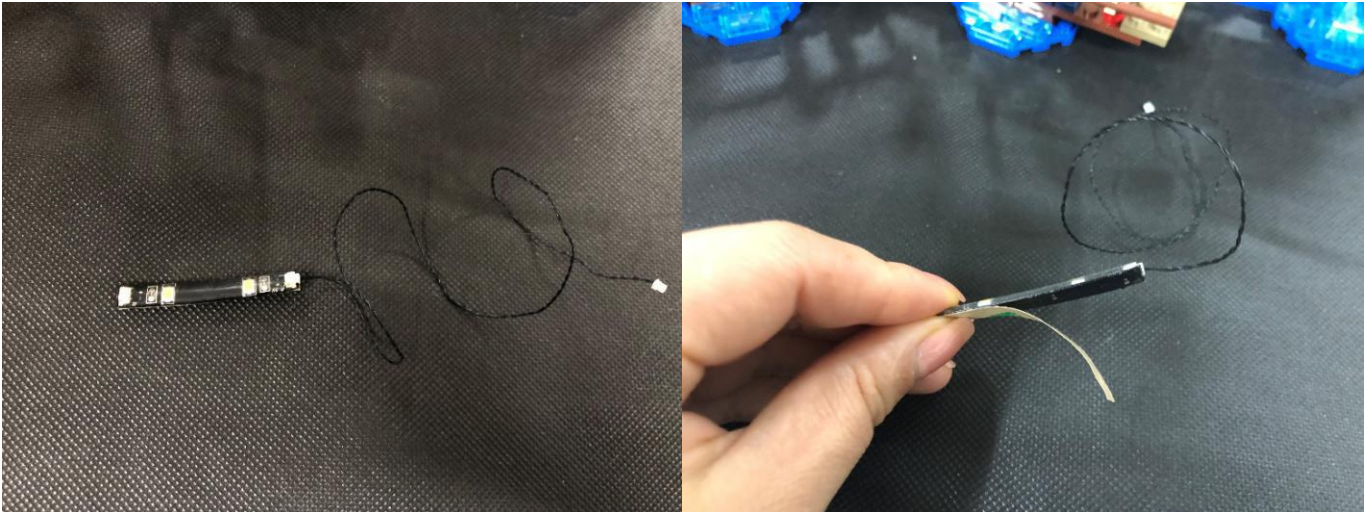
We' ll move onto installing lights for the grocery store



Take a warm white strip light, a 50cm connecting cable



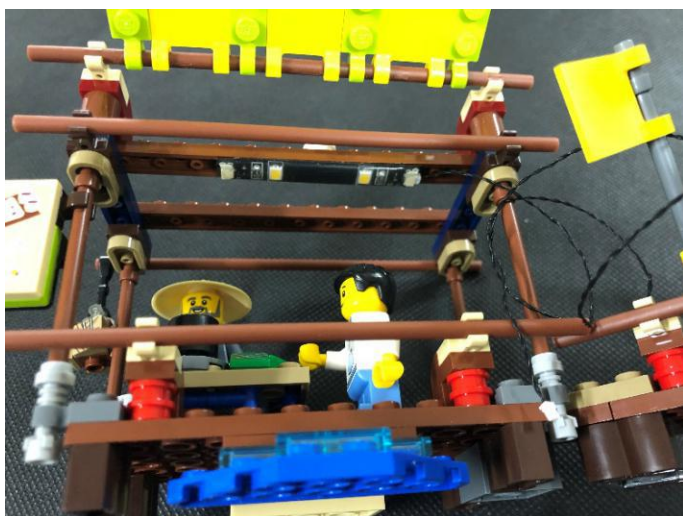
Connect the connecting cable to the right port of the strip light



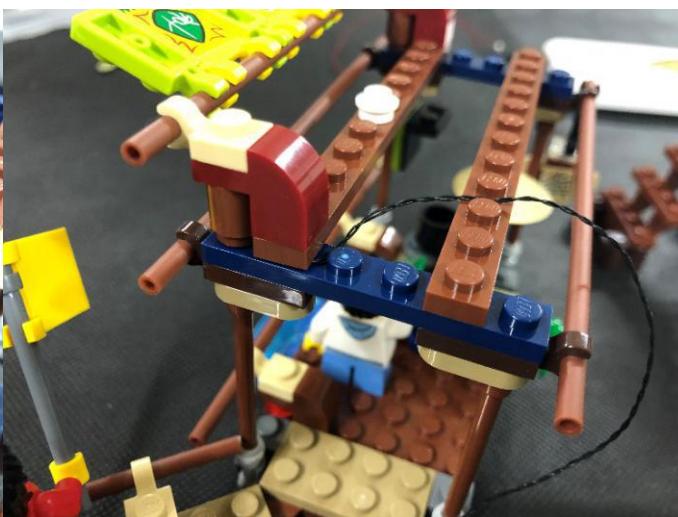
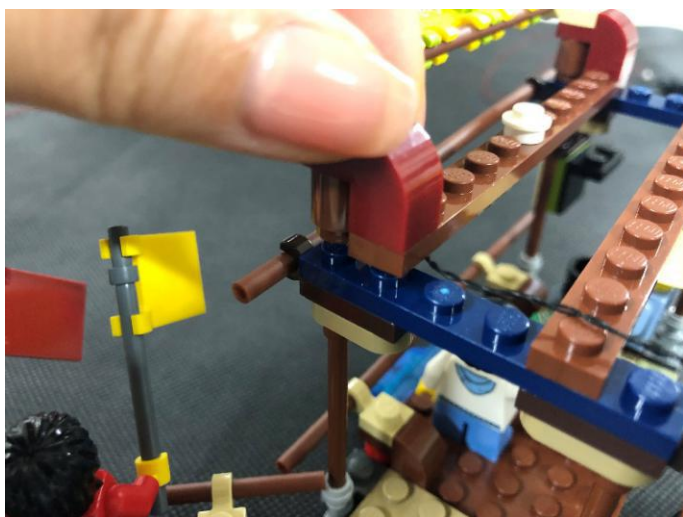
Open the signboard



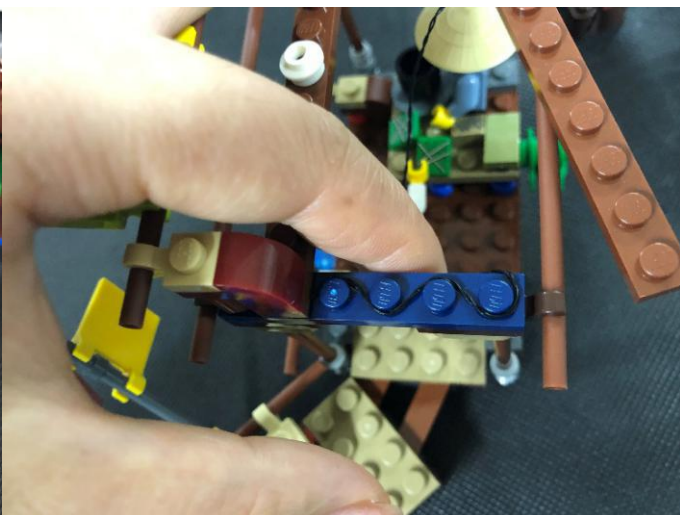
Stick the strip light to the first brown beam at the top of the grocery store



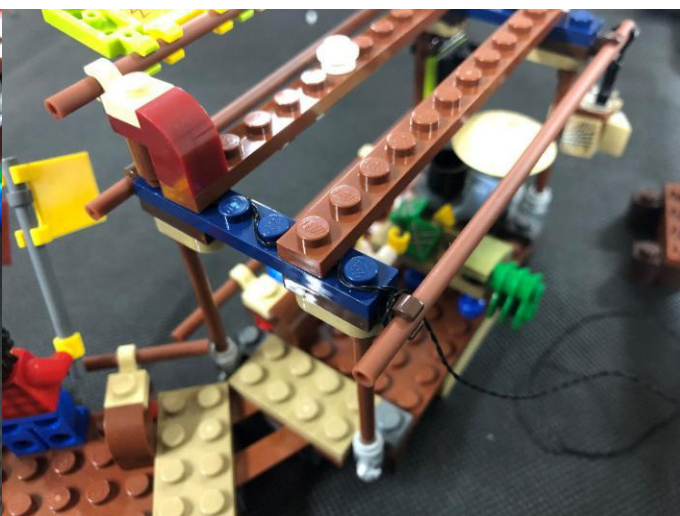
Lift the following piece to hide the cable as per below



Disconnect one side of the second brown beam, place the cable in between the blue studs as per below



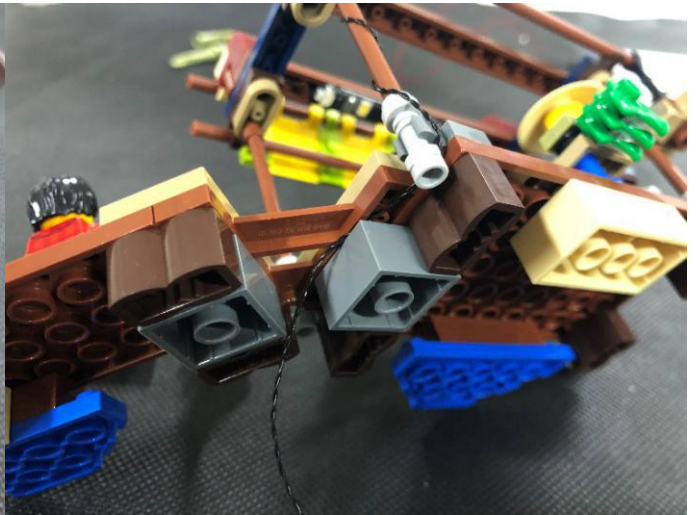
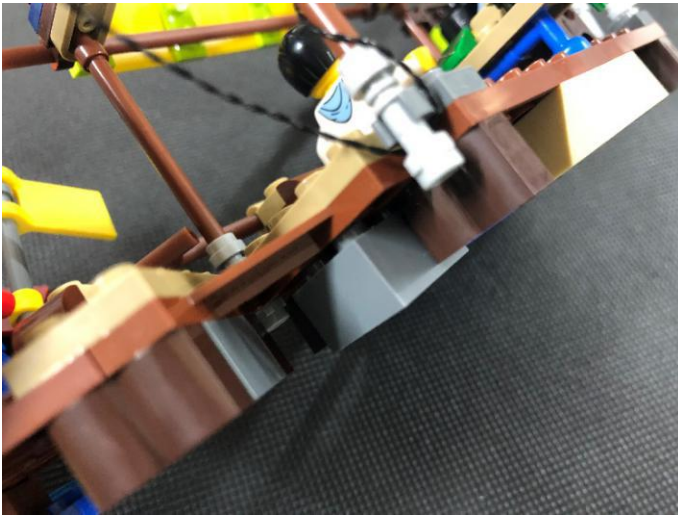
Reconnect the brown beam, wind the cable around the dark brown piece twice



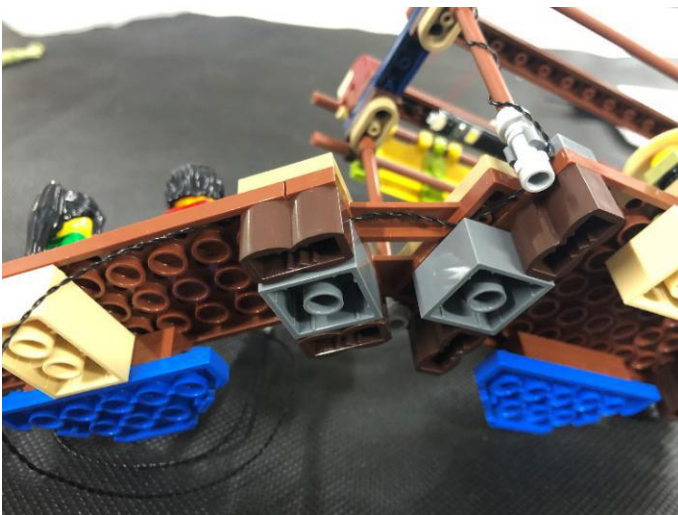
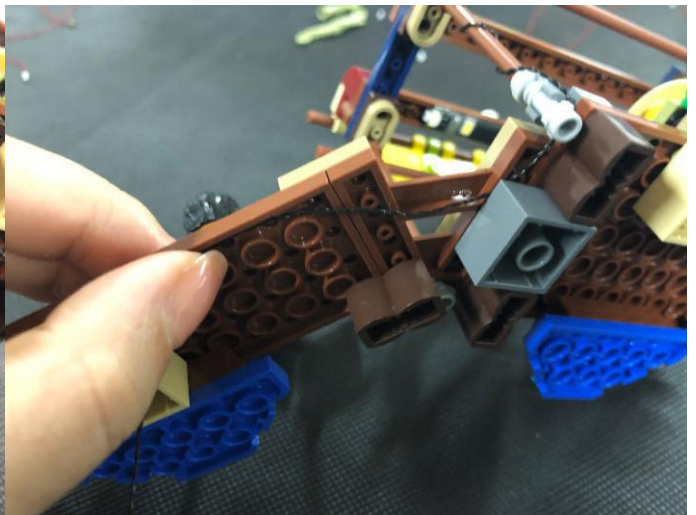
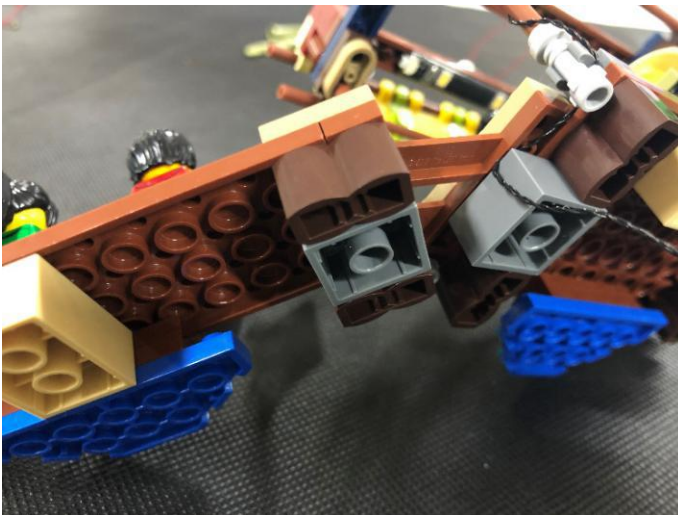
Place the cable around the pole as per below



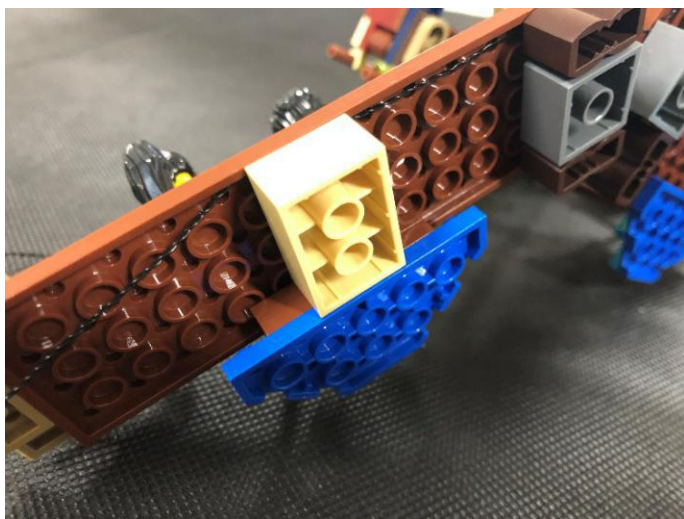
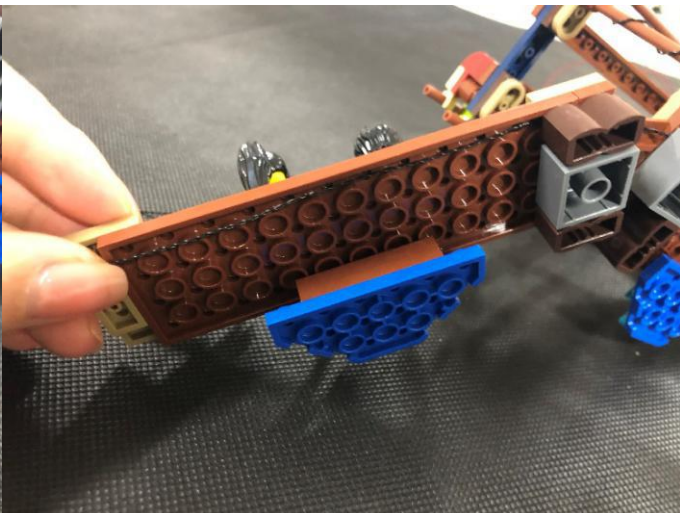
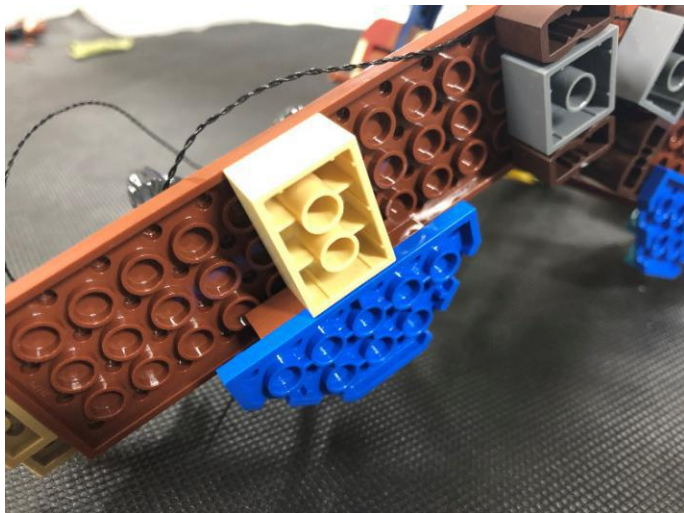
Prise off the gray piece underneath the store to help to hide the cable



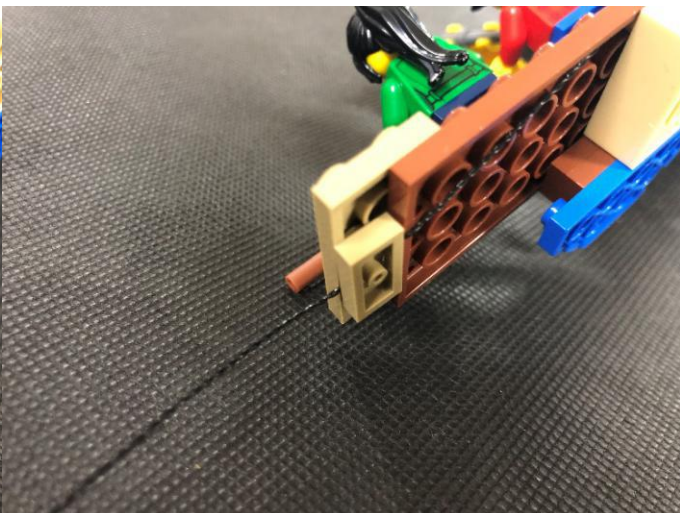
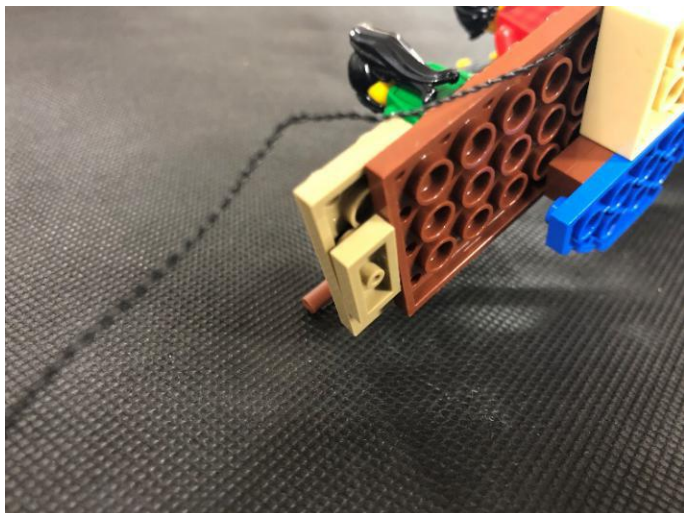
Remove the following brown piece and the gray piece, place the cable as per below before reconnecting the pieces



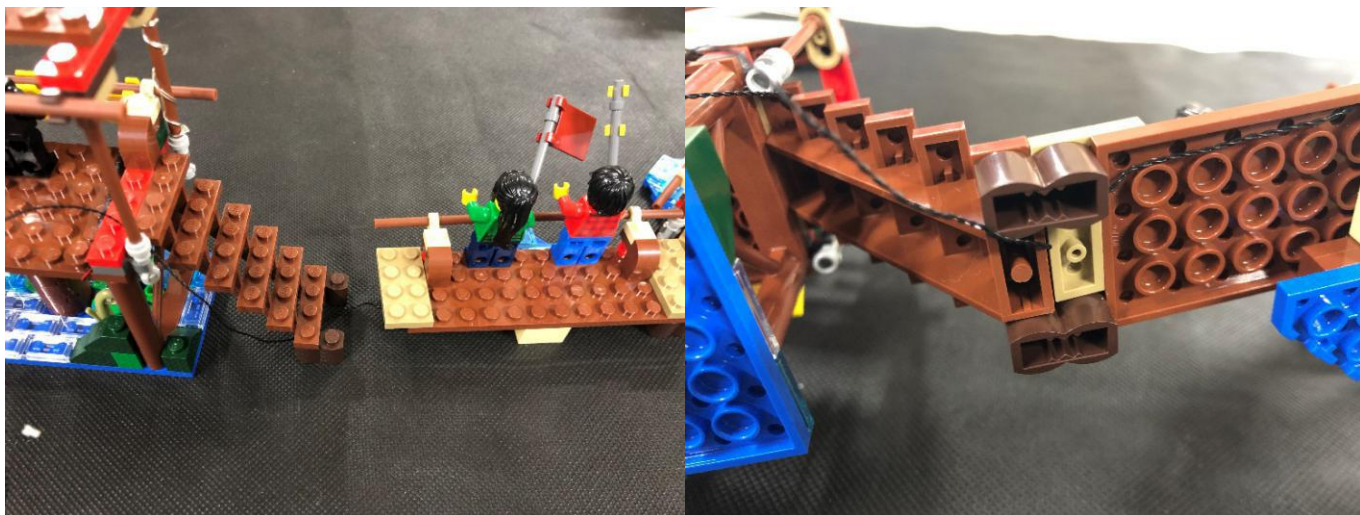
Remove the yellow piece underneath the corridor to hide the cable



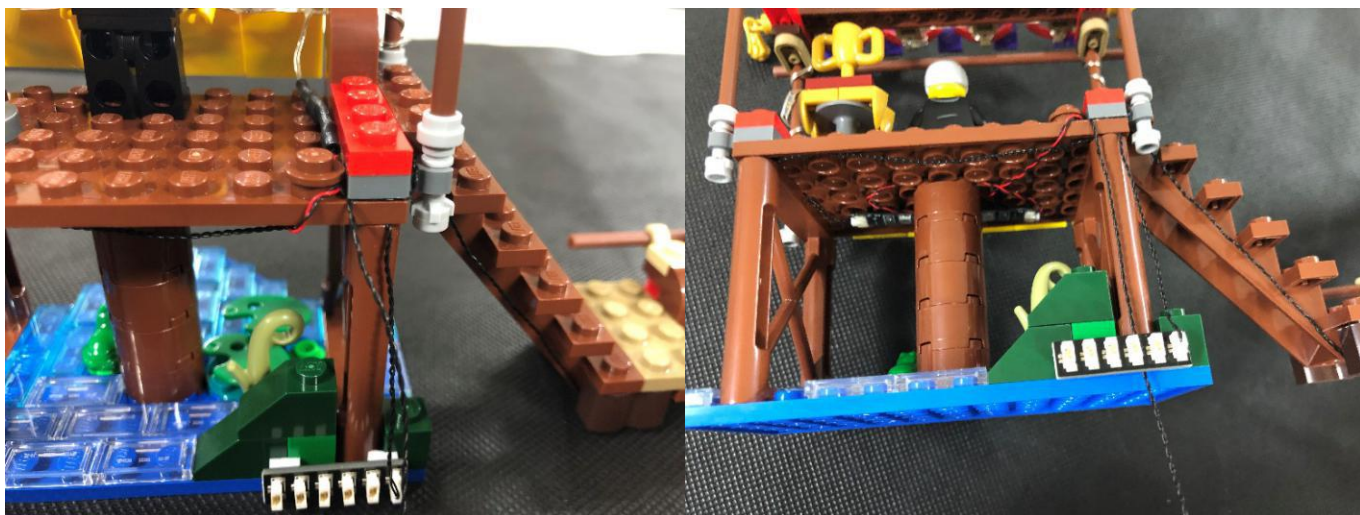
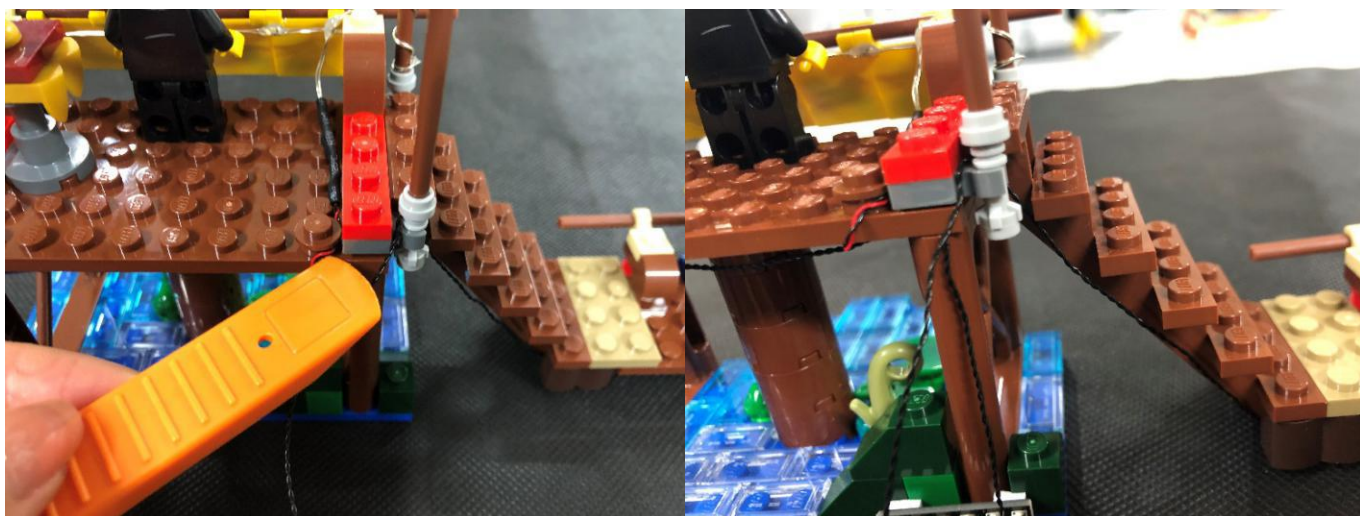
Secure the cable by connecting the following yellow 1x2 plate over



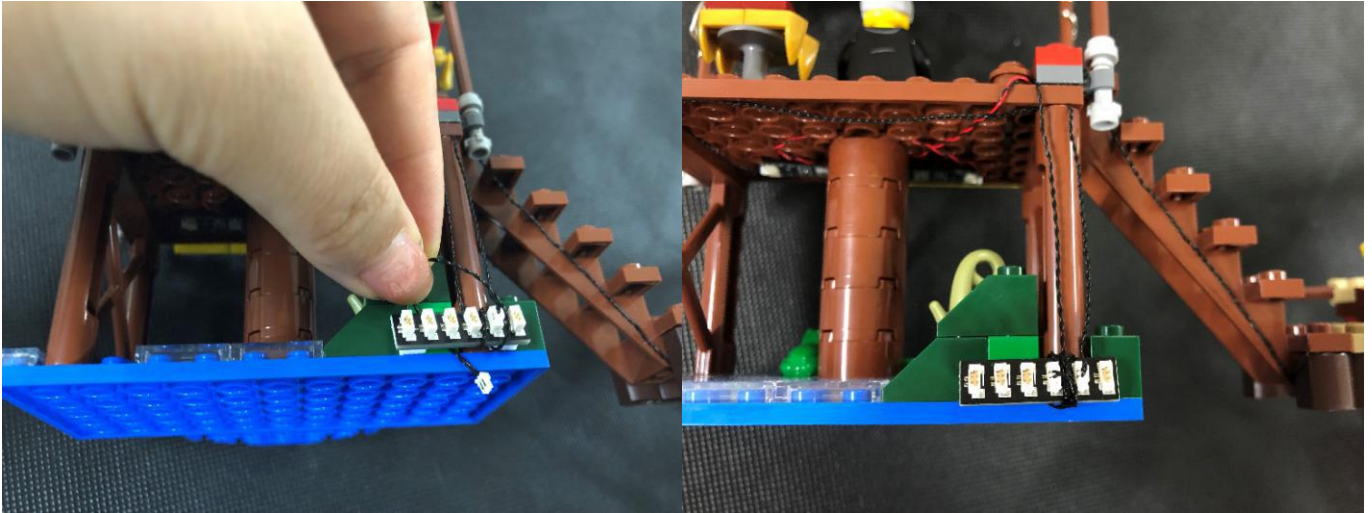
Connect the corridor and the attic together, place the cable along the stairs as per below



Prise off the following piece to help to hide the cable



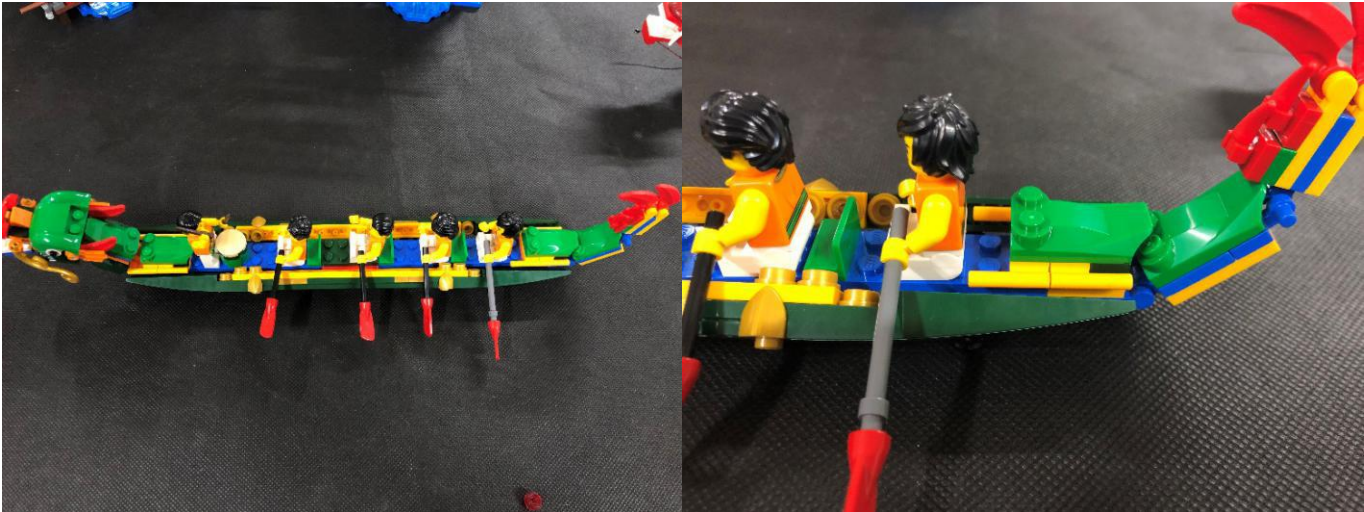
Tuck excess cables around the expansion board before connecting the cable to the expansion board



Turn the power on to test the current



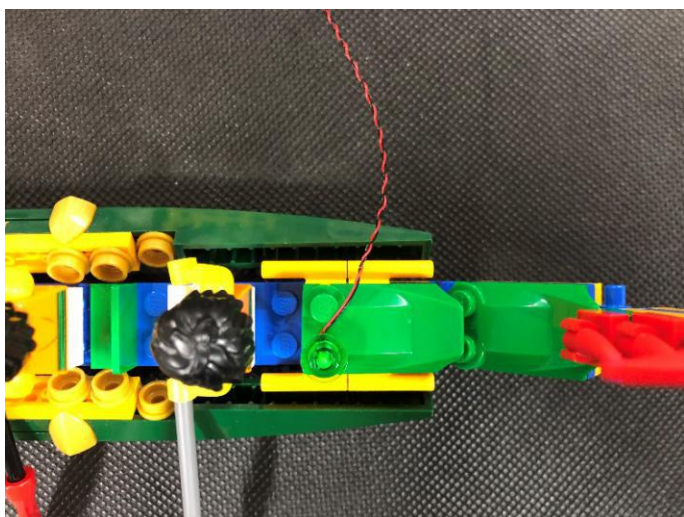
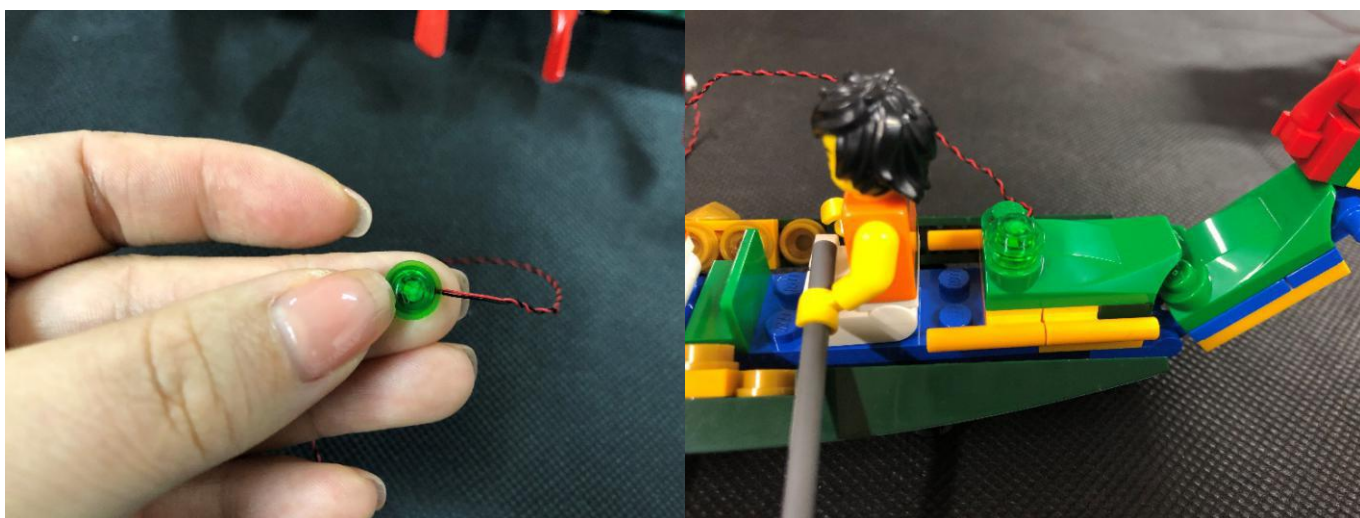
Continue to install lights for the dragon boat. Start from the back of the boat



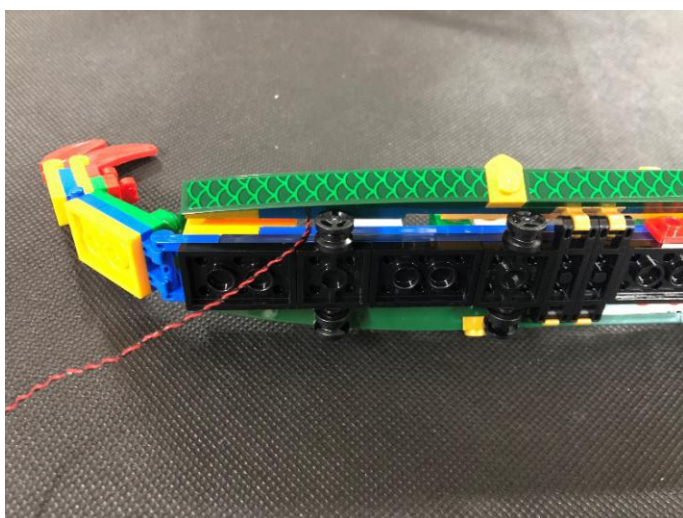
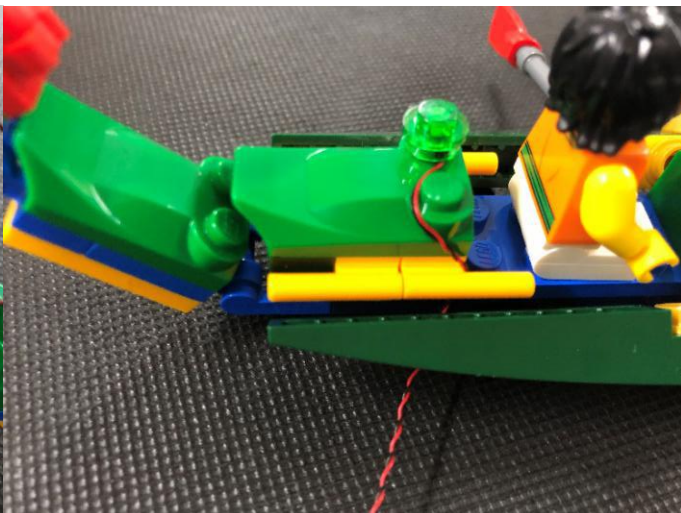
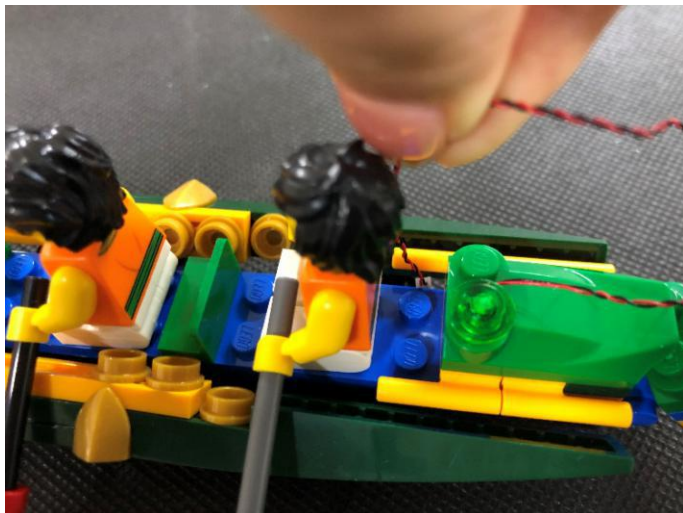
Take a warm white 15cm dot light, a trans green 1x1 piece



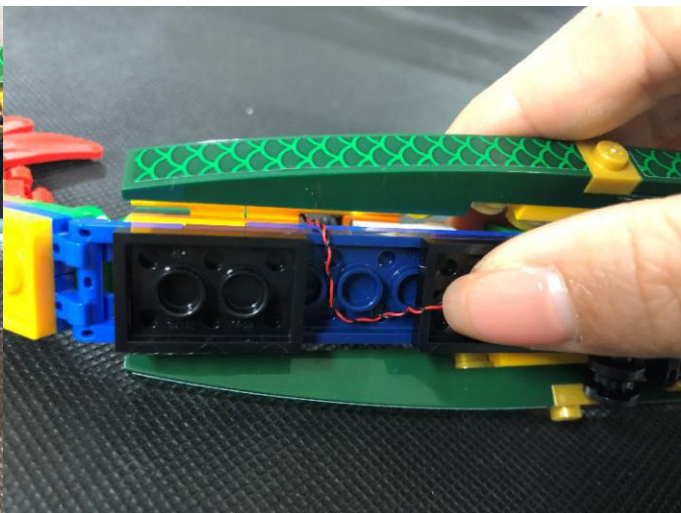
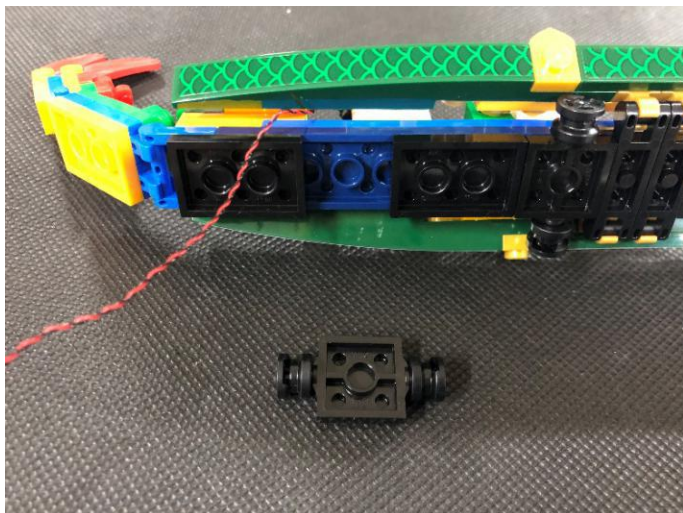
With lighting part facing up, connect the light to the following position at the back of the boat, connect the trans piece to secure it in place

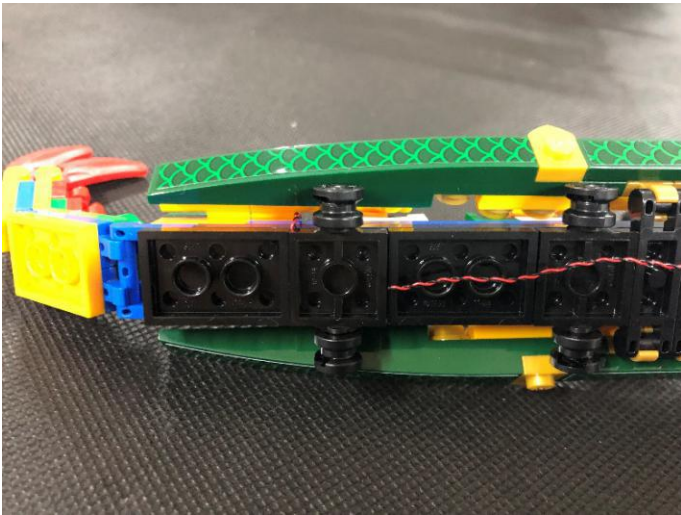


Thread the cable down

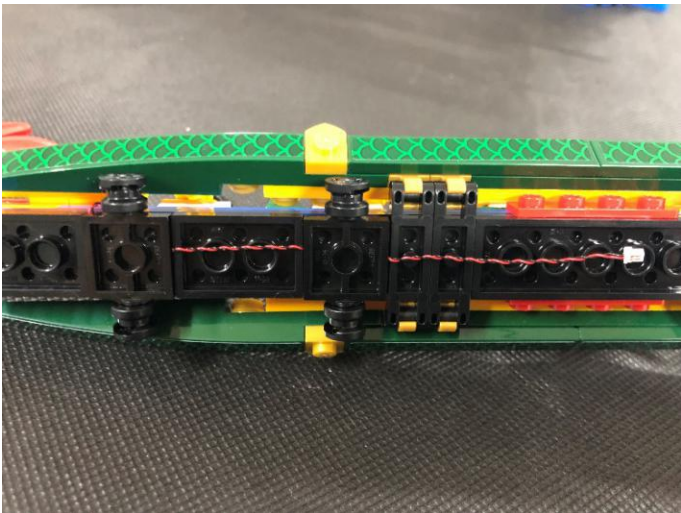
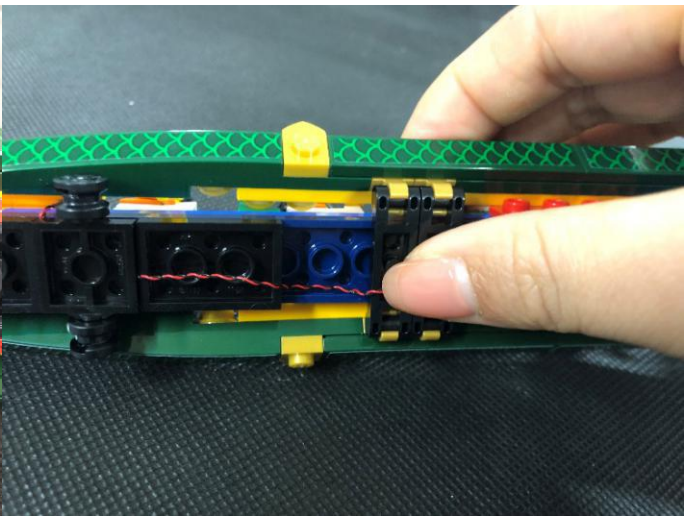
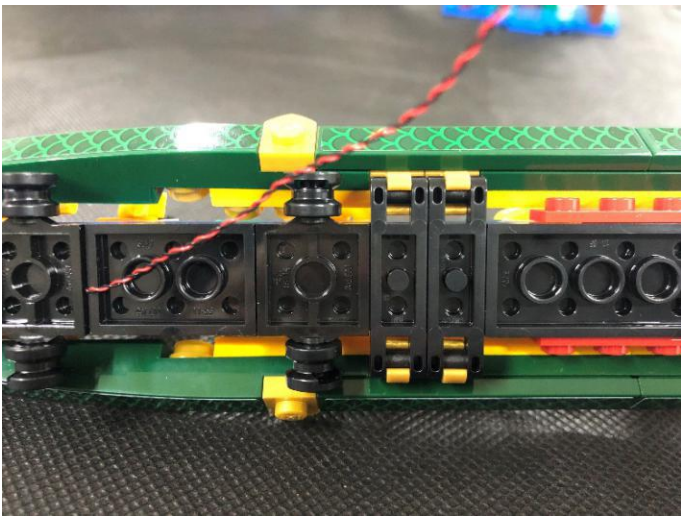


Disconnect the following piece to place the cable, reconnect the piece

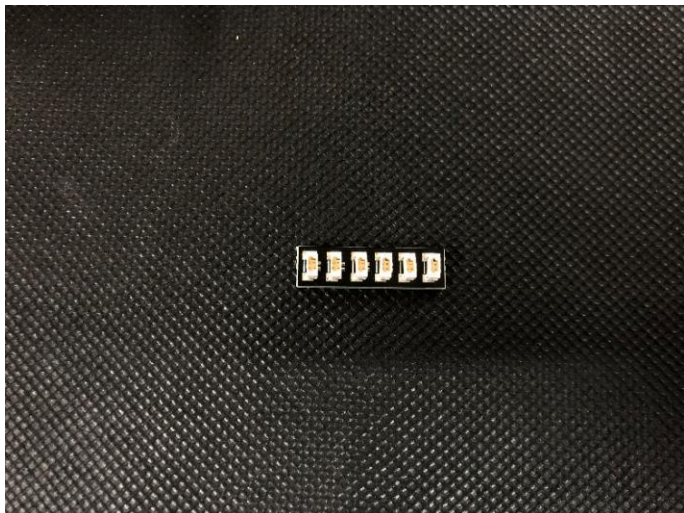




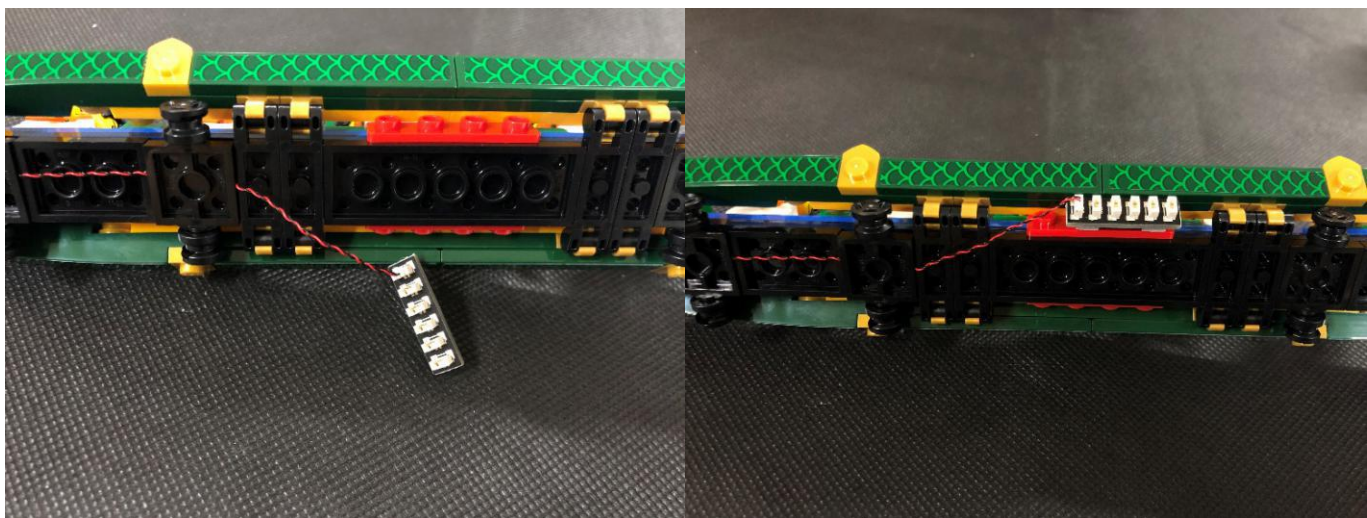
Similarly, disconnect the next piece to place the cable, reconnect it



Take a 6-port expansion board



Connect the cable to the expansion board, stick the expansion board to the side of the boat by using the adhesive tapes



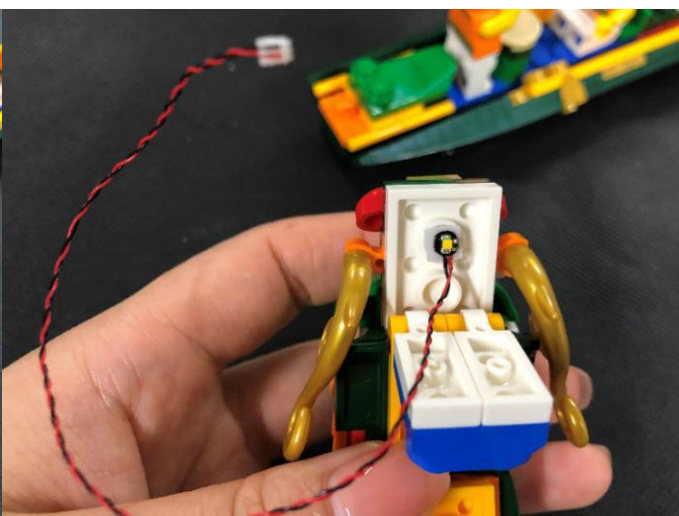
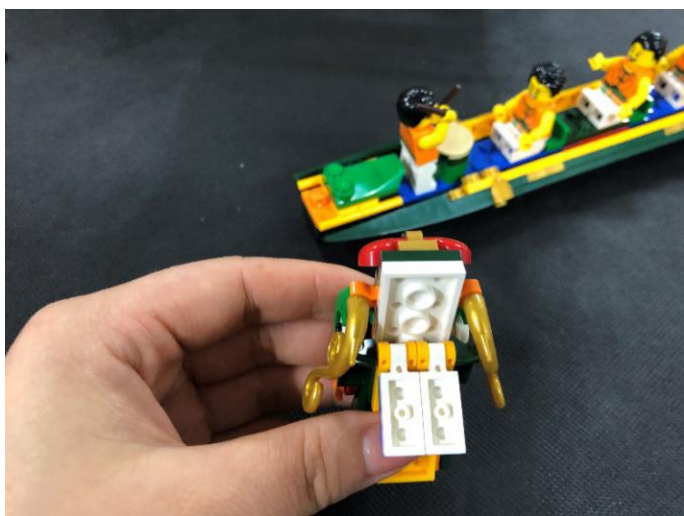
Remove the head of the boat



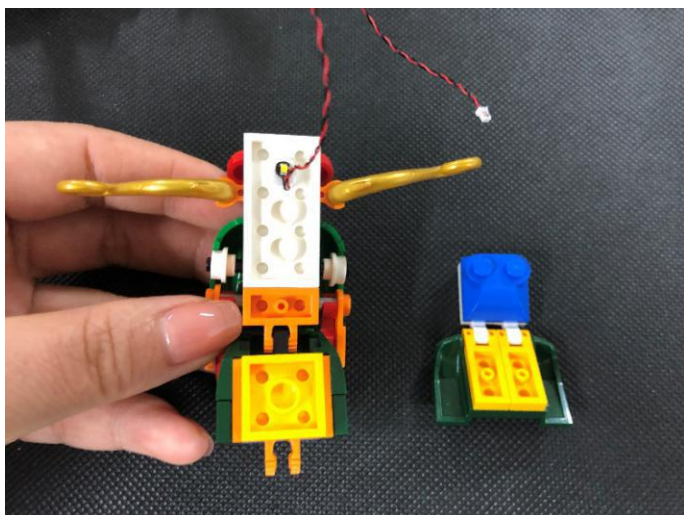
Take a warm white 30cm dot light

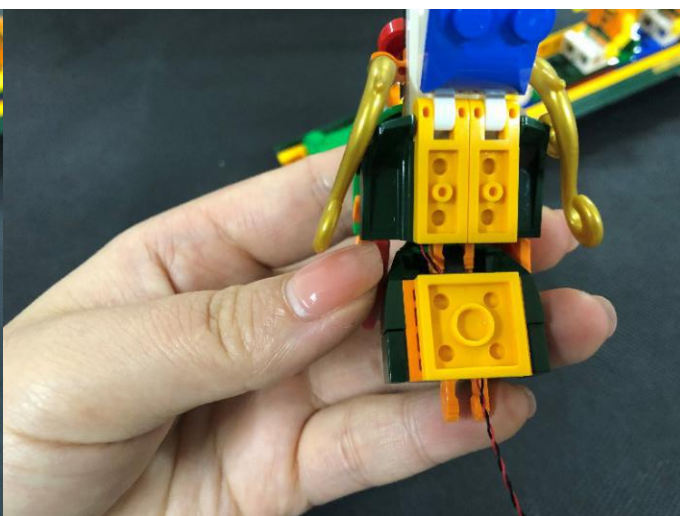
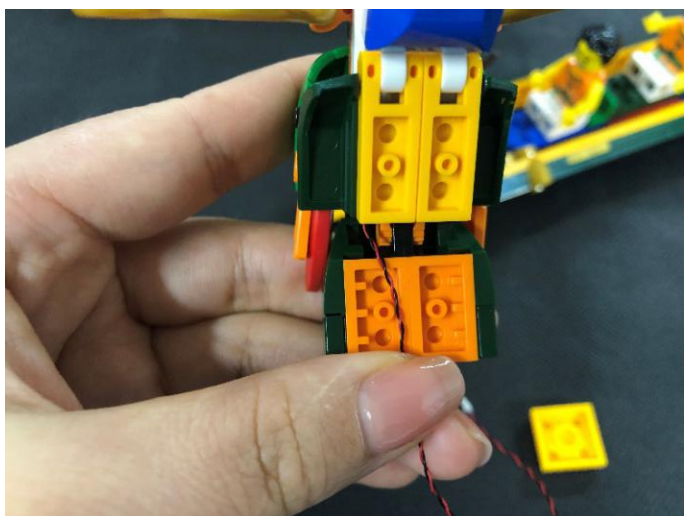
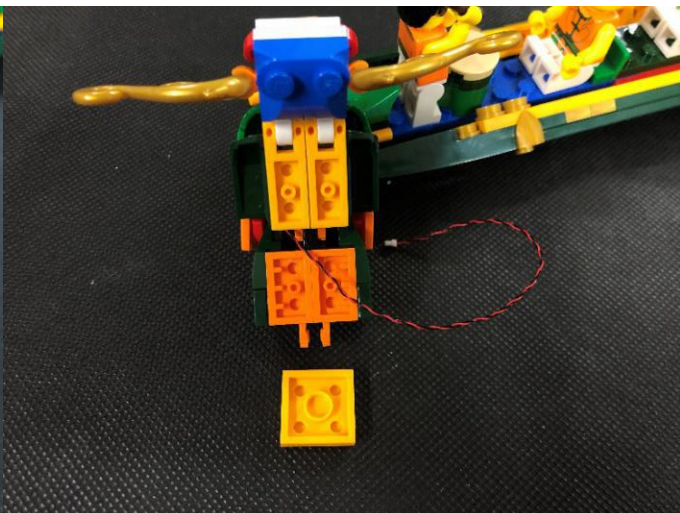
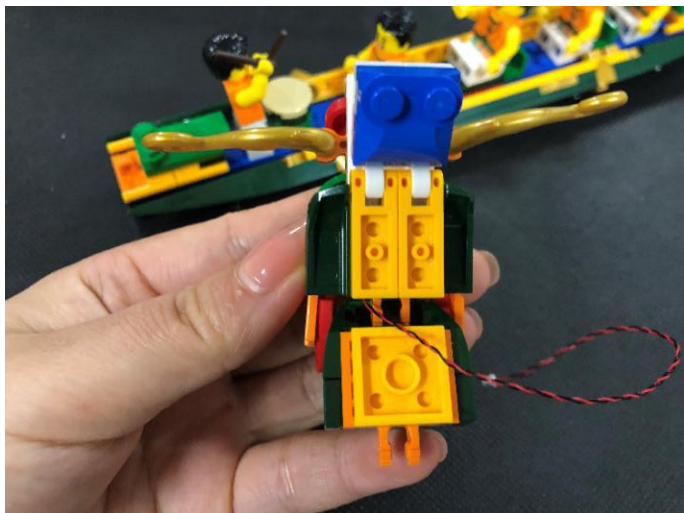


Open the mouth, stick the light to the following place by using the adhesive tape

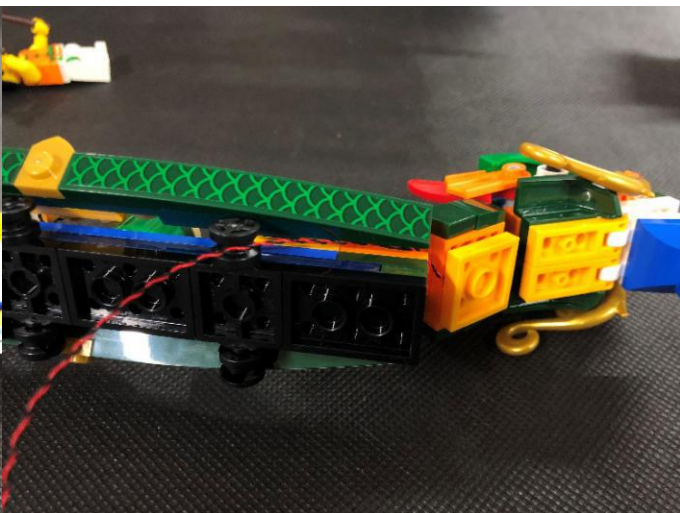


Remove the following piece to place the cable as per below, reconnect the piece

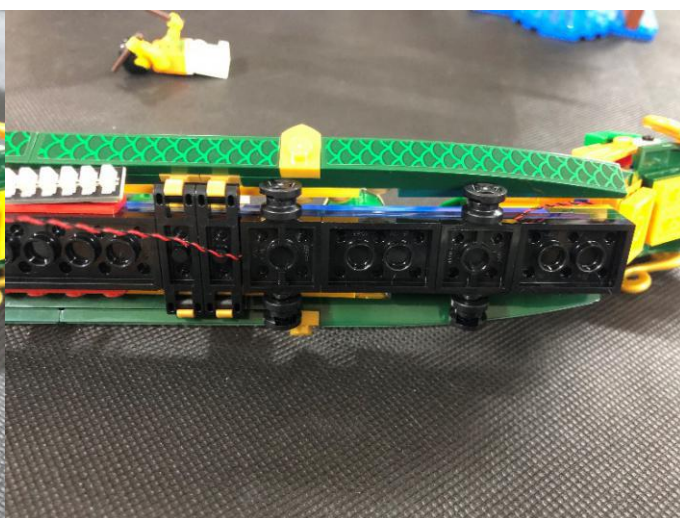
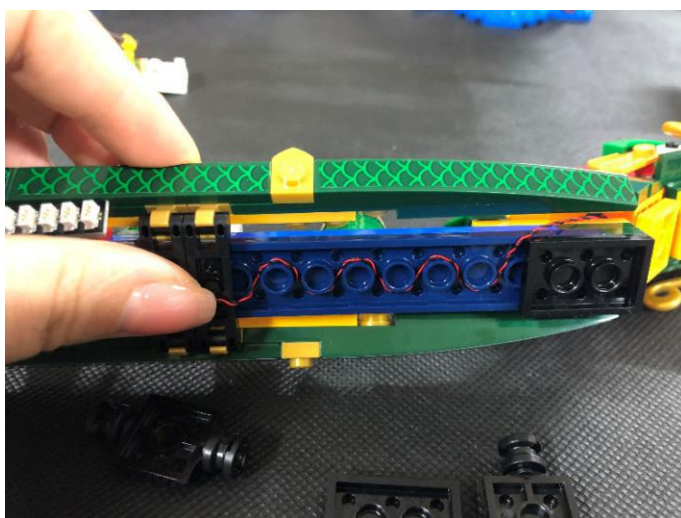
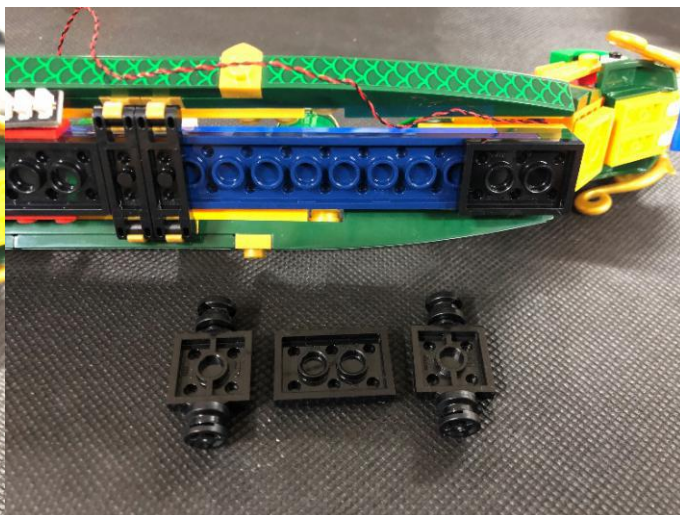
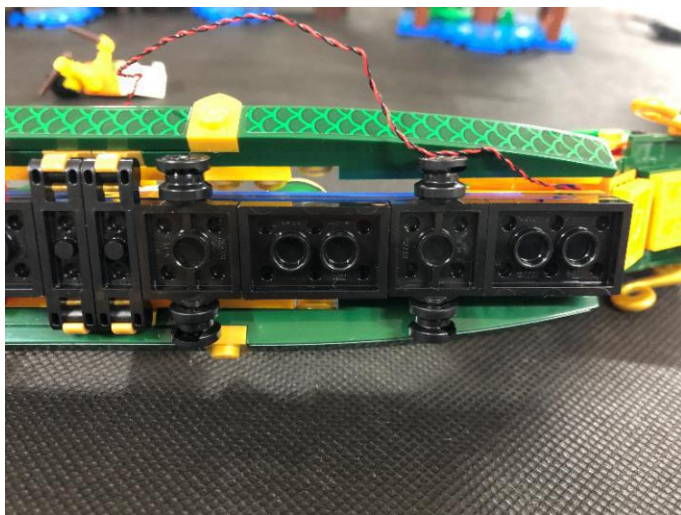




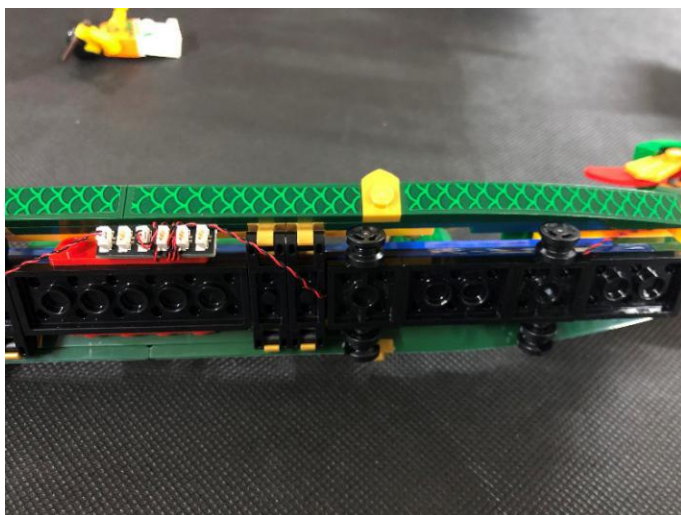
Reconnect the head. Place the cable underneath the boat as per below



Disconnect the following piece to help to hide the cable, reconnect the piece



Connect the connector of the cable to the expansion board



Take a warm white 15cm dot light, a trans red 1x1 piece



Take a 6-port expansion board



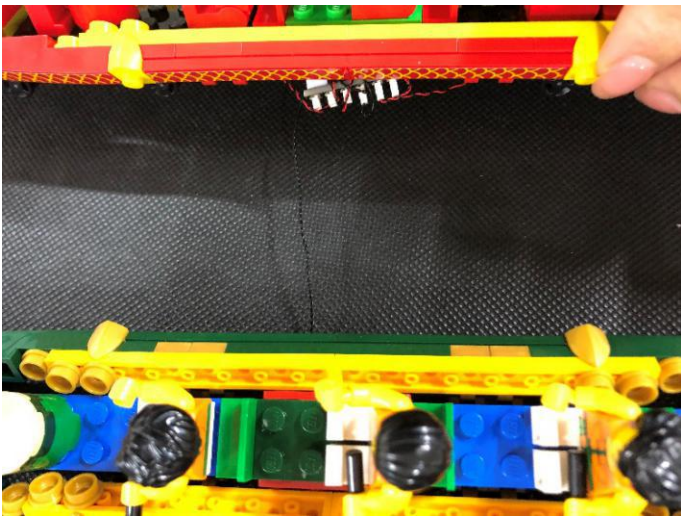
Take a warm white 30cm dot light



Repeat the previous steps to install lights to the other dragon boat
Take a 15cm connecting cable



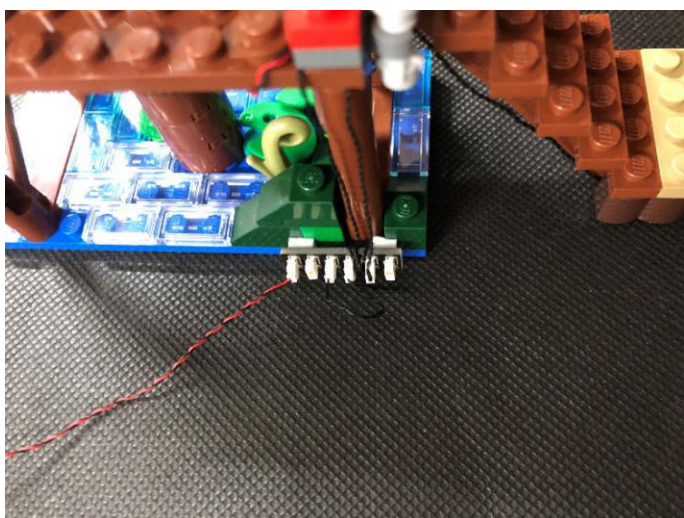
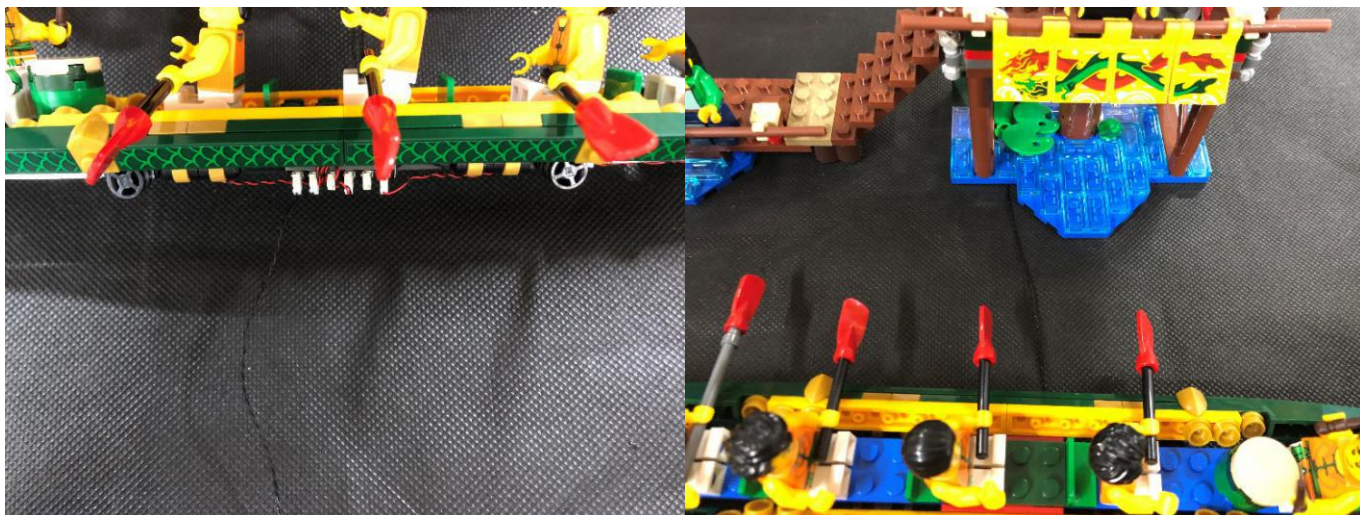
Assemble the 2 dragon boats together by using the connecting cable



Take a 30cm connecting cable



Connect it to the expansion board on the boat near the attic, thread the other end of the cable from the bottom of the attic to the back, connect it to the expansion board



Turn the power on to see if all lights are working OK



This completes installation of this LED Lighting Kit. ENJOY!