

## 21318 Spring+ Autumn+ remote Version Lighting Kit

### Package contents:

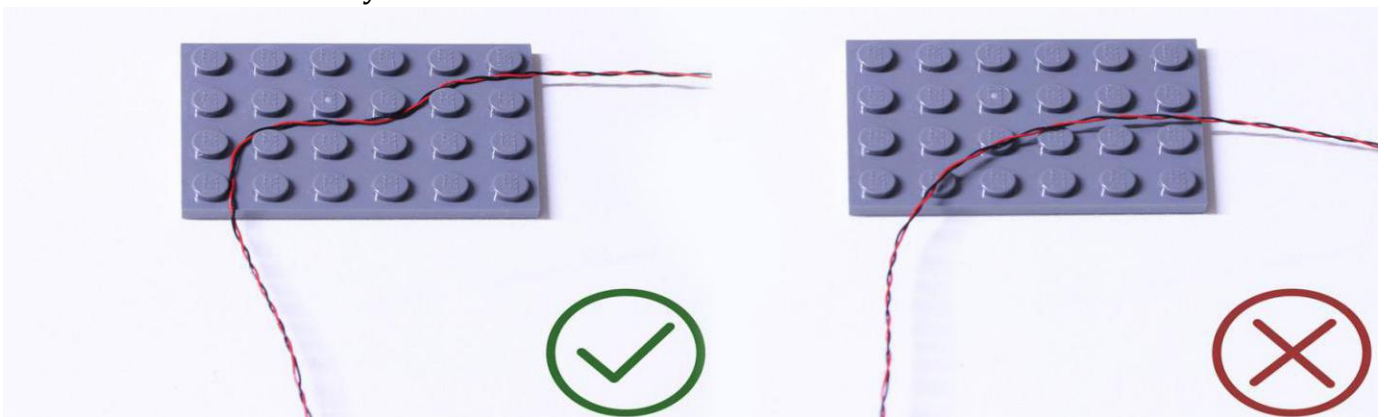
- 5 x 15cm Warm White Dot Lights
- 4 x 30cm Warm White Dot Lights
- 4 x 15cm Blue Dot Light
- 9 x Warm White Strip Lights
- 3 x Green Strip Lights
- 4 x 5cm Connecting Cables
- 10 x 15cm Connecting Cables
- 2 x 30cm Connecting Cables
- 2 x 50cm Connecting Cables
- 4 x 6-port Expansion Boards
- 1 x 8-port Expansion Board
- 1 x Flicker Effects Board
- 1 x Remote Control Switch Board
- 1 x USB Cable

Extra LEGO pieces

### Note:

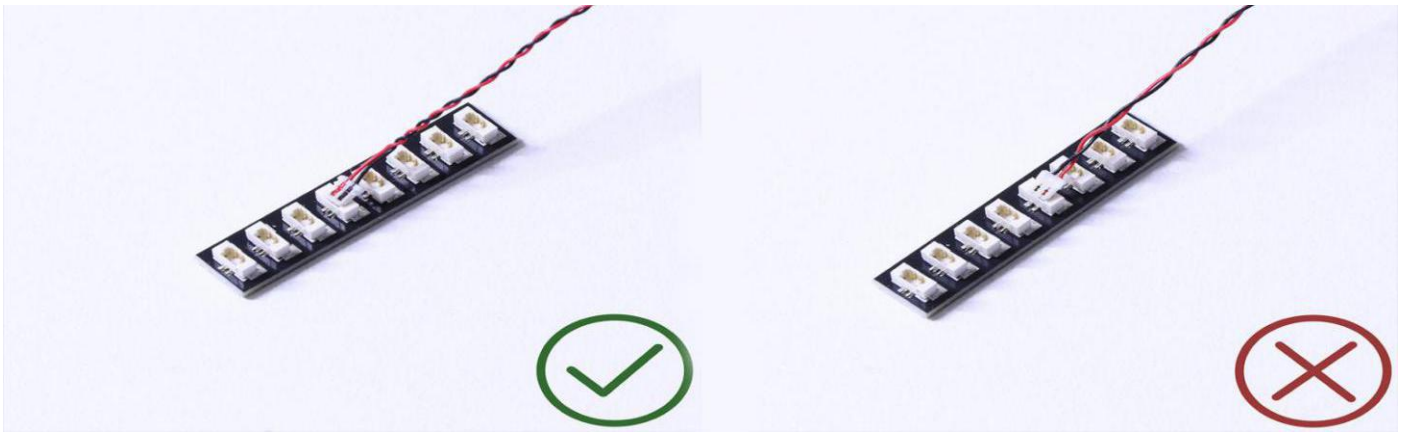
Place wires on the surface or under the LEGO building blocks.

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

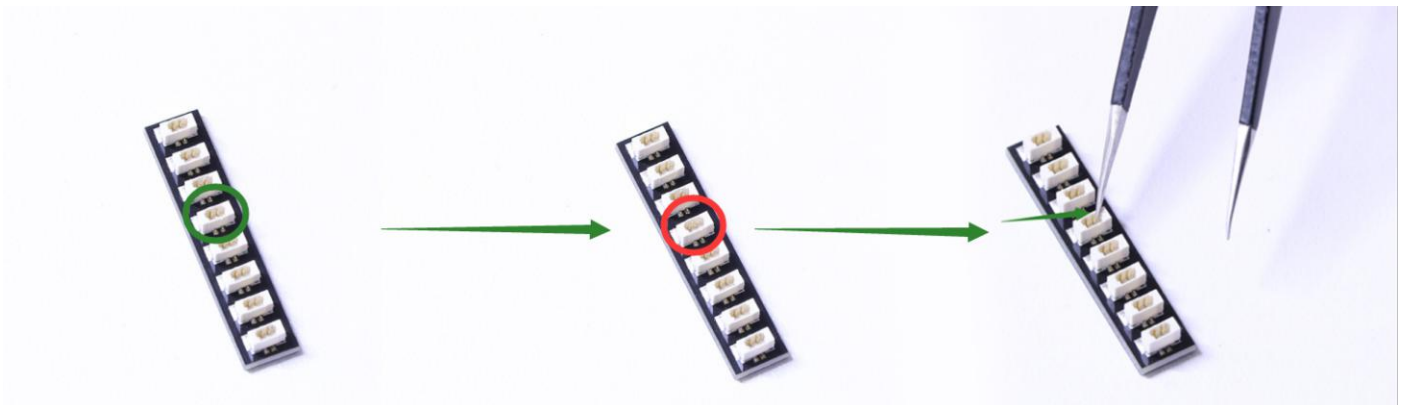


Insert the connectors to the ports.

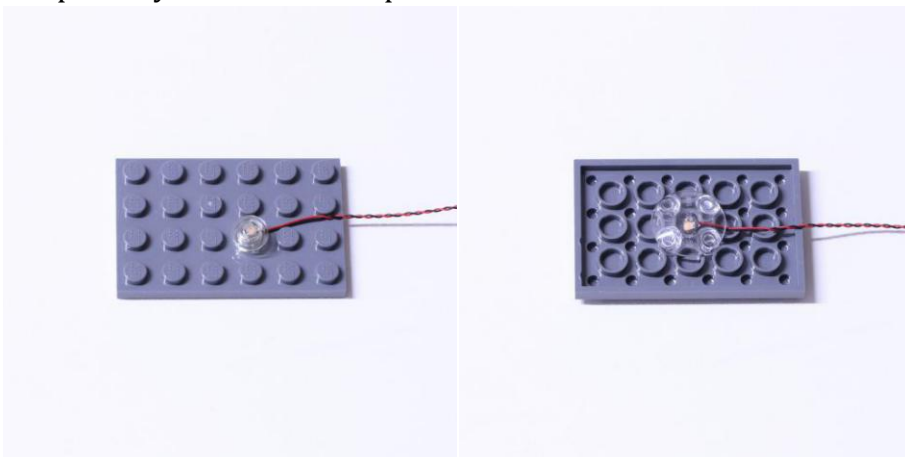
Be careful when you are operating, there's only one correct way to insert, make sure the expansion board is upward, find the soldered "=" sign on the left of the port. When you are inserting, the side which the wires can be seen should be faced to the "=" sign and if you feel hard to insert, please stop, 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.

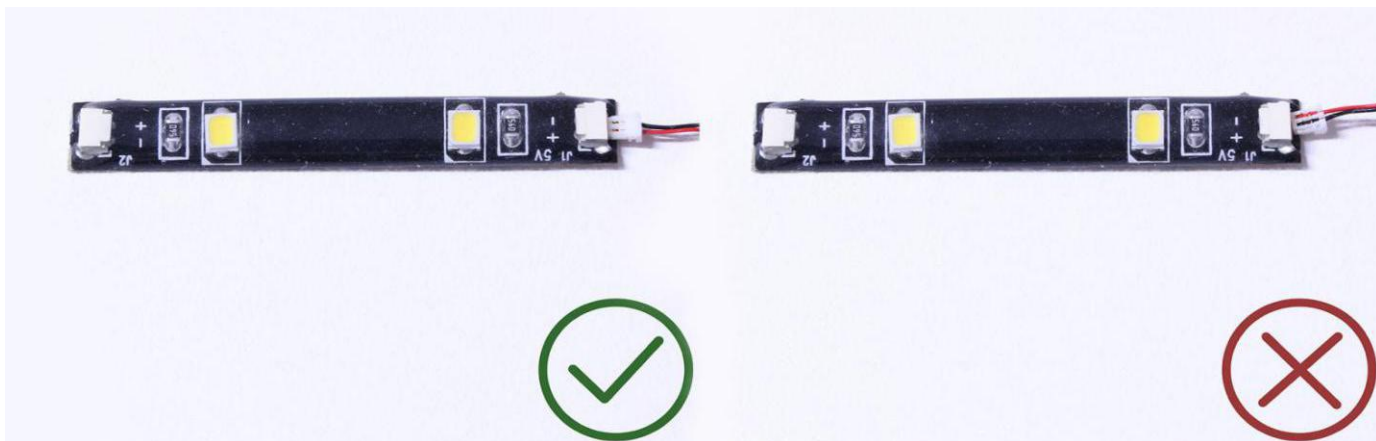


When installing dot lights, make sure they are correctly placed (Yellow LED package is exposed). You can put them either on the top of the studs or between studs.

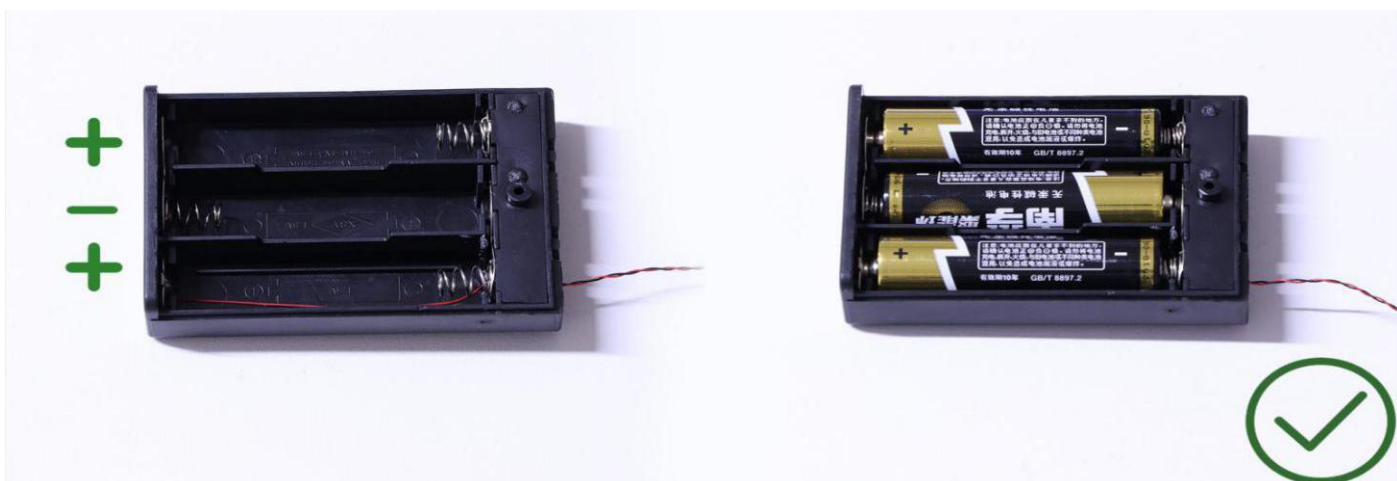


## Connecting cable connectors to Strip Lights

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:

OK, Let' s Begin!

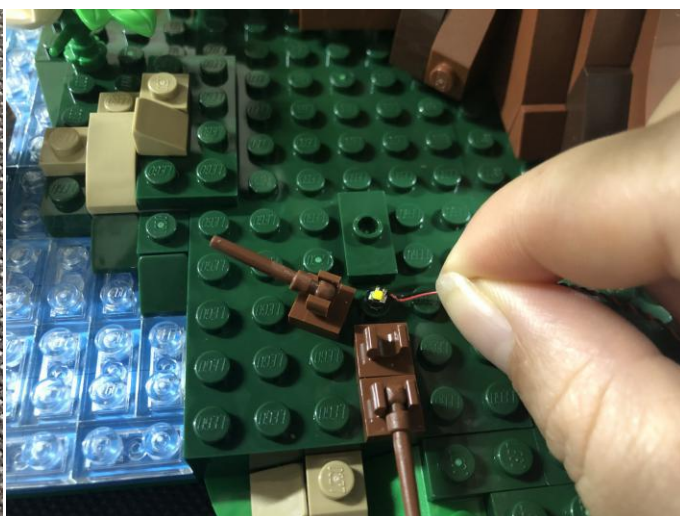
Remove the top of the tree first.



We' ll install lights for the fire, remove the following pieces.



Take a warm white 30cm dot light, a 1x1 trans orange round plate, with the lighting part facing up, place the light in the middle of the fire piece



Secure the light with the trans orange piece.





Disconnect the following piece, lift the baseplates to help to place the cable.



Thread the cable underneath the baseplate, and thread it through the black piece with hole to the bottom.







Reconnect the fire.

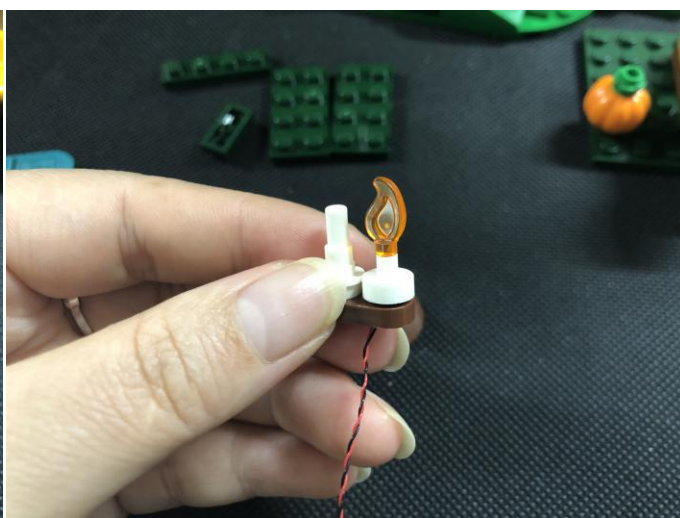


Continue to install lights for the candle.

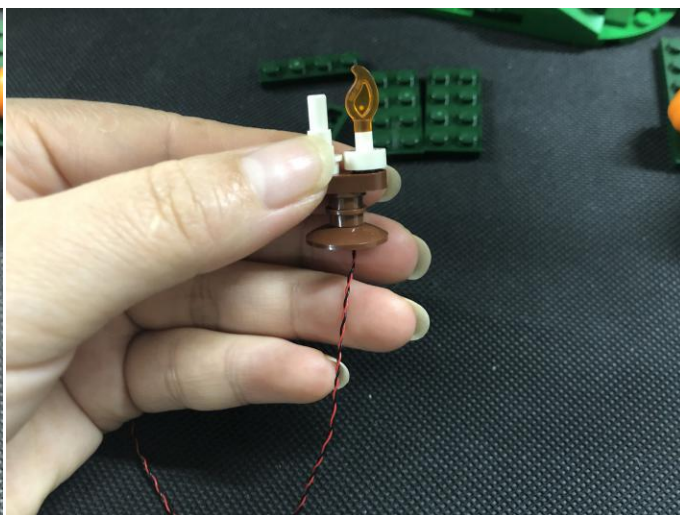
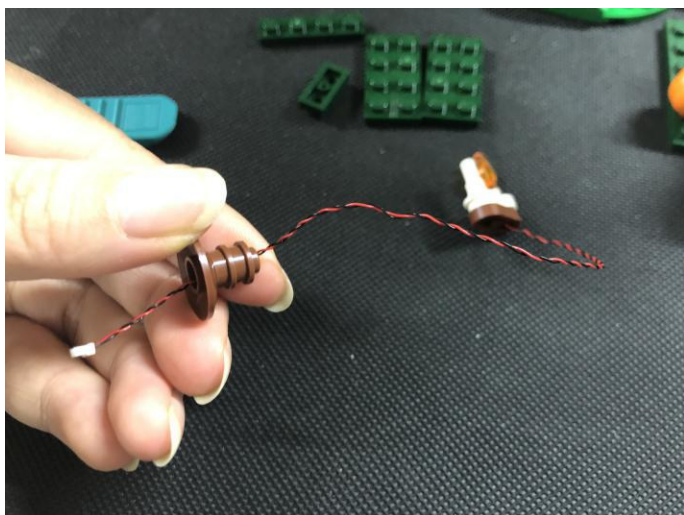


Take a warm white 15cm dot light, thread the light through the smaller hole till the light is placed against the hole, reconnect the flame.





Thread the connector of the light through the base, reconnect the base.



Remove the following 1x6 light brown plate, reconnect the candle, secure the cable with the plate.



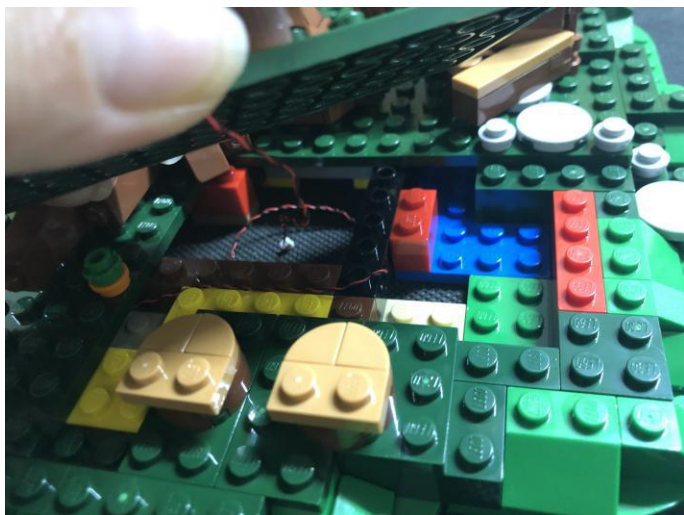


Remove the table and thread the cable through, reconnect the table.

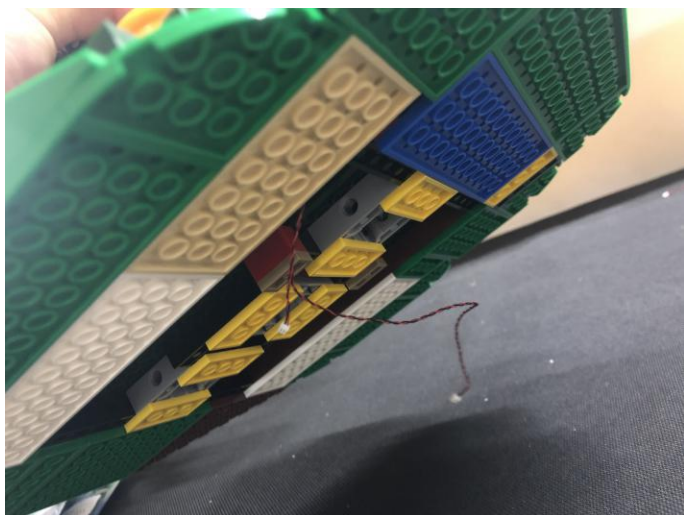


Pull the cable till the bottom, reconnect the pieces.

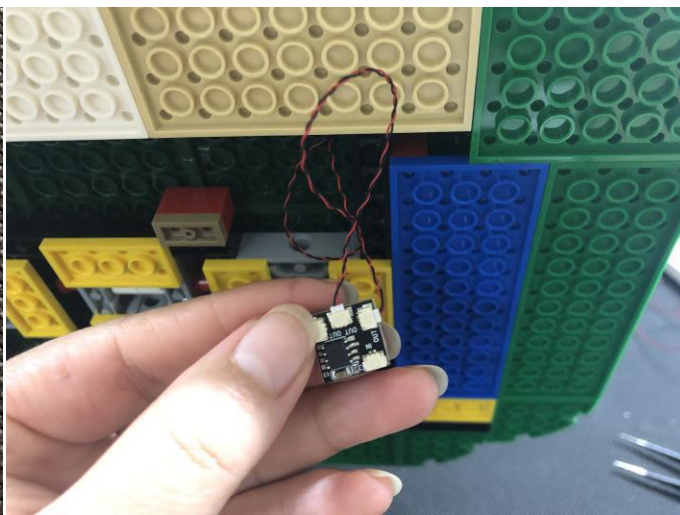
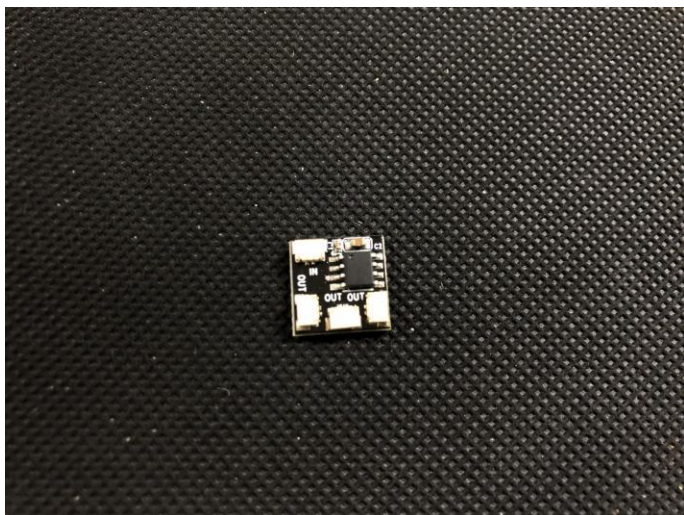




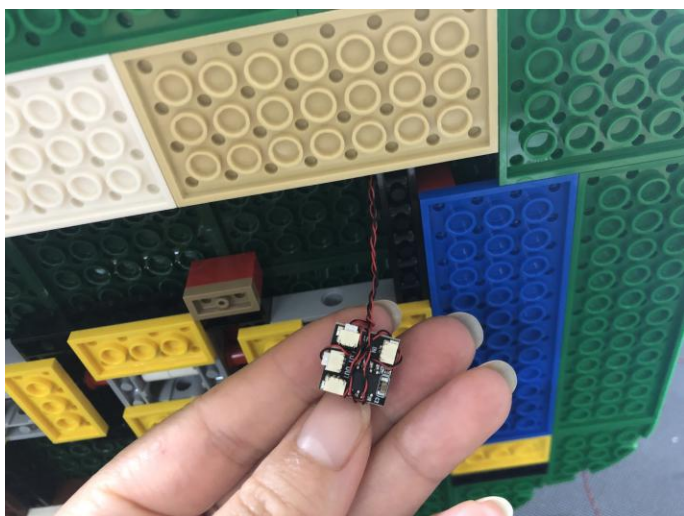
Lift he whole piece, you can see the cables.



Take a Flicker Effects Board, connect the cables from the fire and the candle to it.



Tuck excess cables as per below.



Move onto installing lights for the handrail.

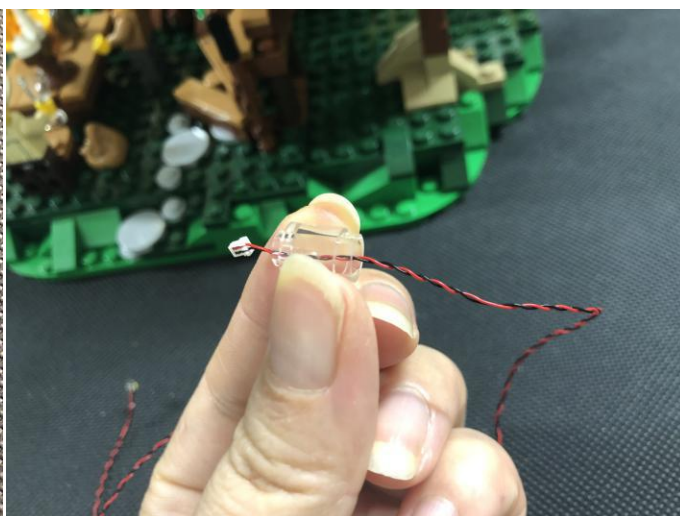


Remove the shade and disconnect it.





Take a warm white 30cm dot light, thread the cable through the bigger hole on the shade.



Reconnect the light, and reconnect it to the handrail.



Thread the cable through the gaps between the stairs, pull the cable to the back of the stairs.





Remove the following 1x6 light brown plate.



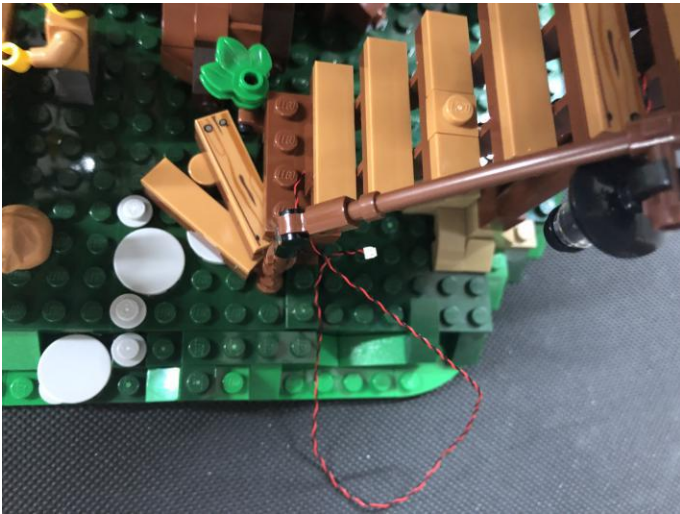
Lift the following place and thread the cable trough.



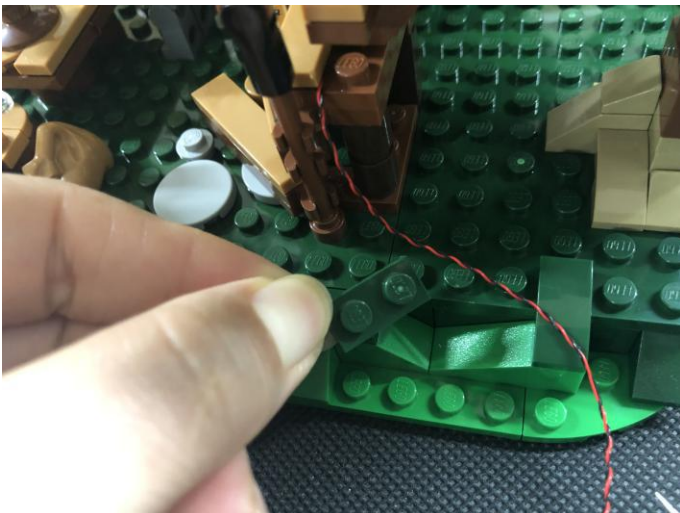




Pull the cable toward the handrail, reconnect the stairs and the place we lifted.

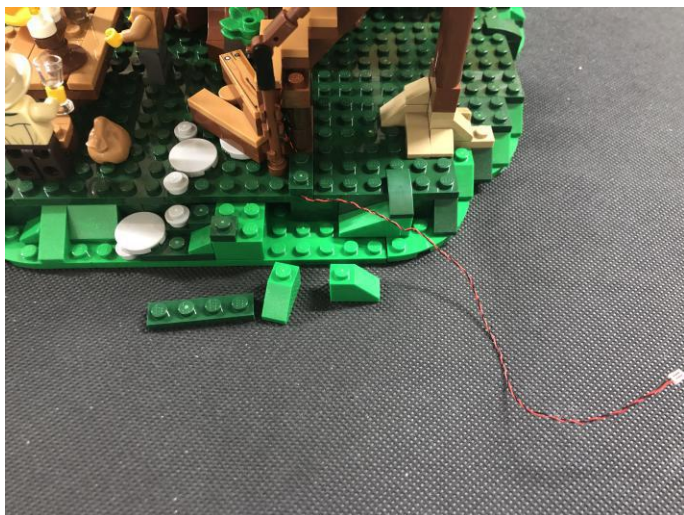


Remove the following 1x2 green plates to secure the cable.

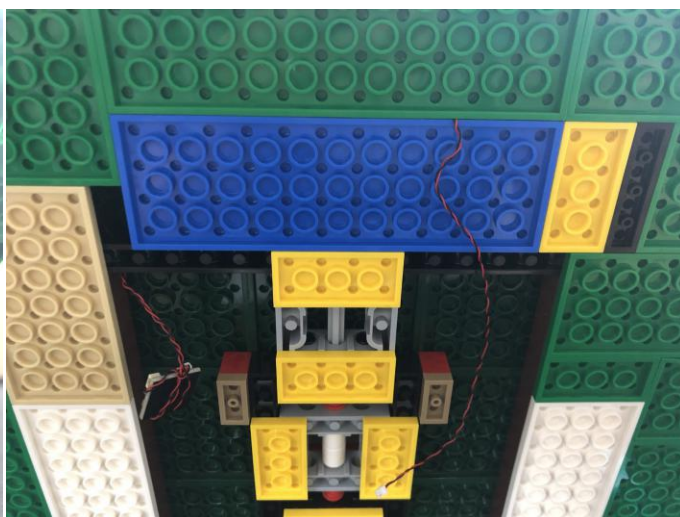
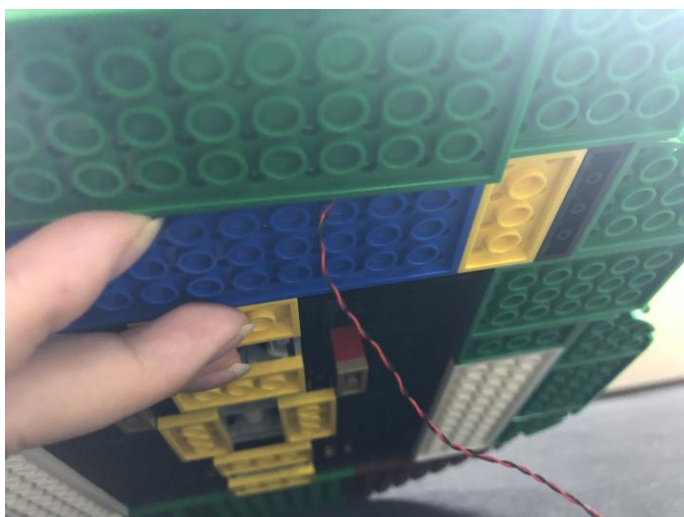
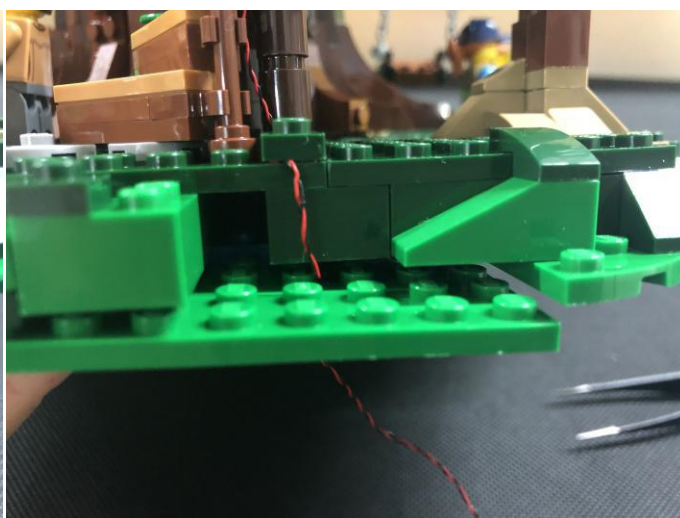
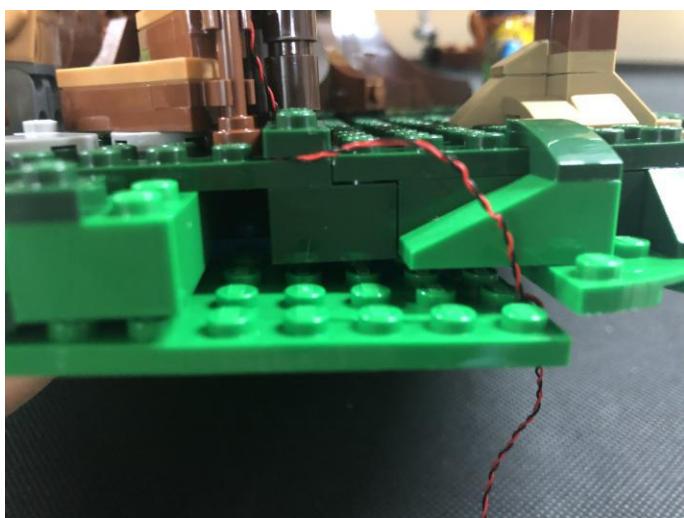


Continue to remove the following 1x4 green piece and the 2 slope bricks.





Disconnect the baseplate to help to place the cable, pull the cable to the bottom as per below.

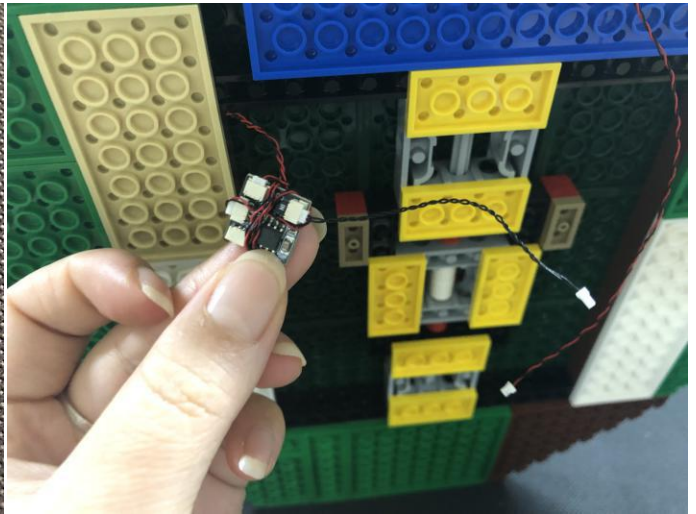


Reconnect the pieces we removed before.

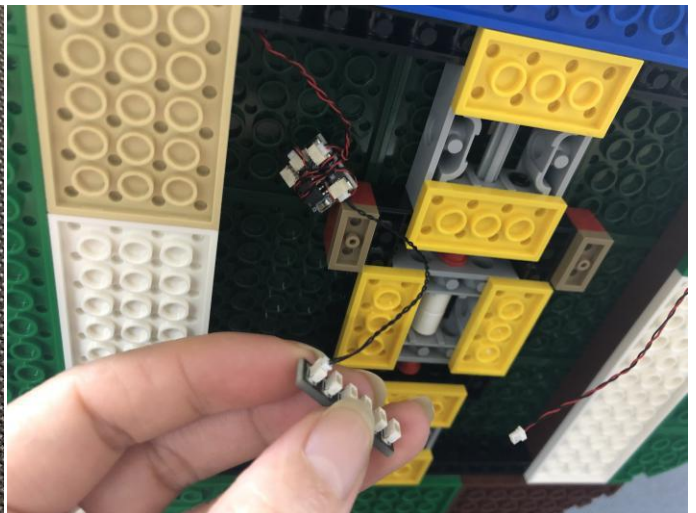




Take a 5cm connecting cable, connect it to the Flicker Effects Board.

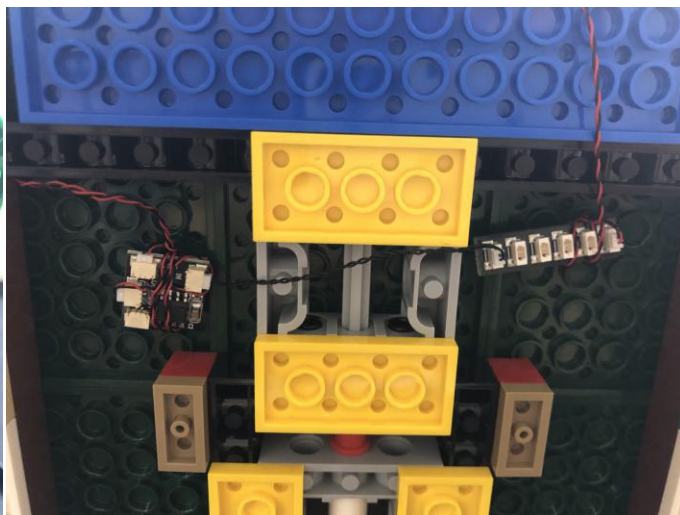
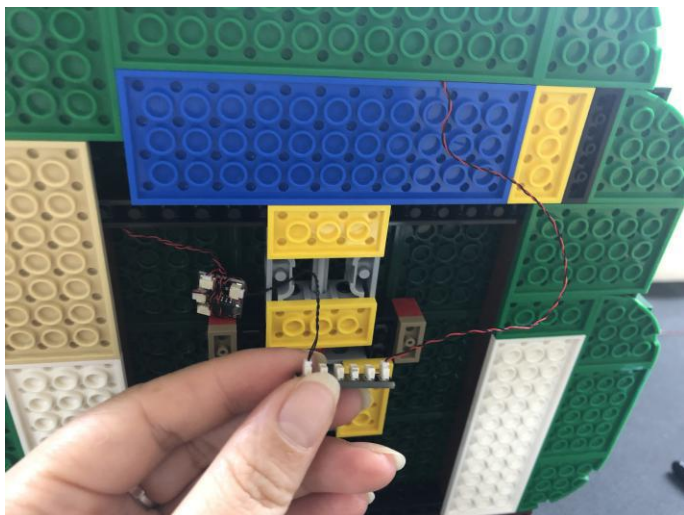


Take a 6-port expansion board, connect the other end of the connecting cable to it.



Connect the cable from the light to the expansion board, tuck excess cables, stick the Flicker Effects Board and the expansion board to the bottom with adhesive squares.

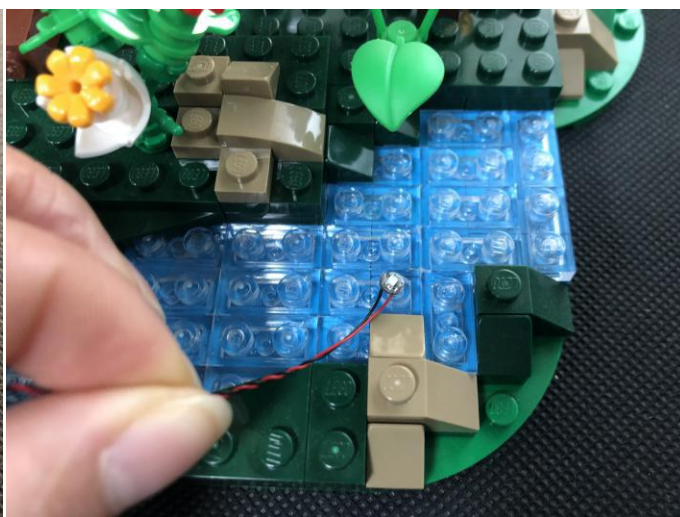




Move onto installing lights for the river.



Take 4 blue 15cm dot lights, 4 trans 1x1 plates, place the light to the following place.



Secure the light with trans 1x1 plate.

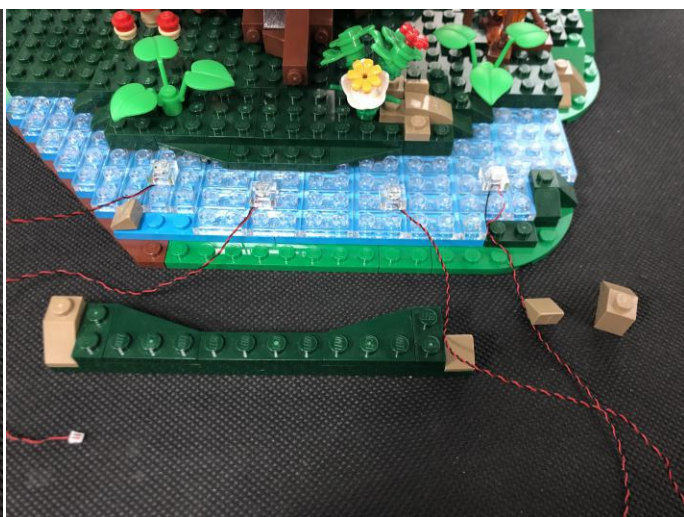
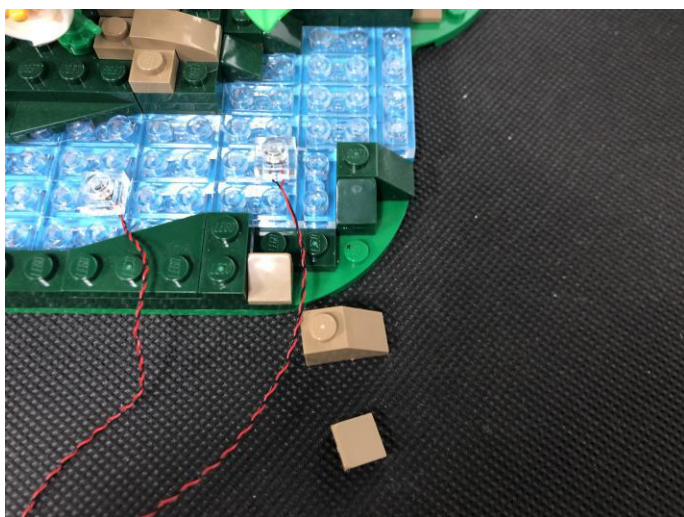


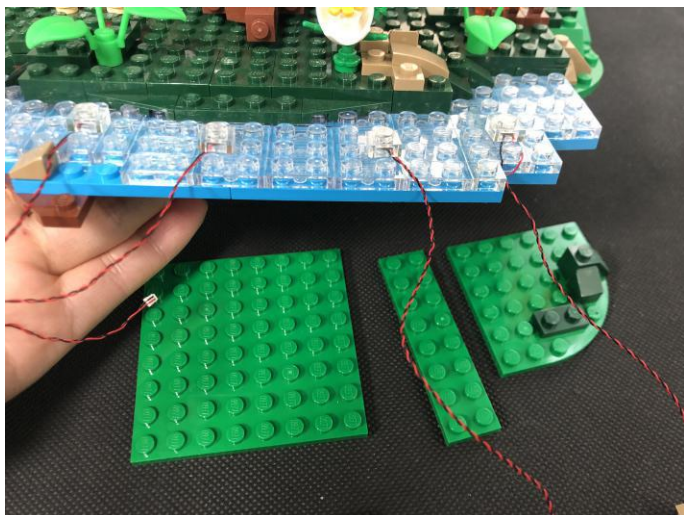


Install the other 3 lights a per below.

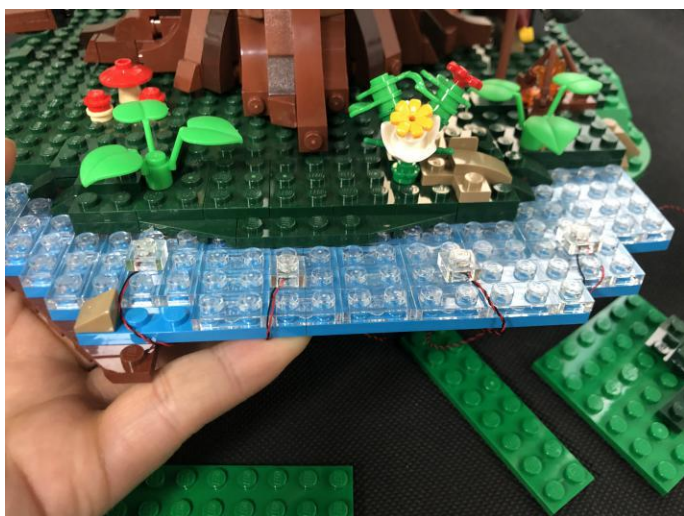


Remove the following pieces.





Place the 4 cables at the bottom as per below.

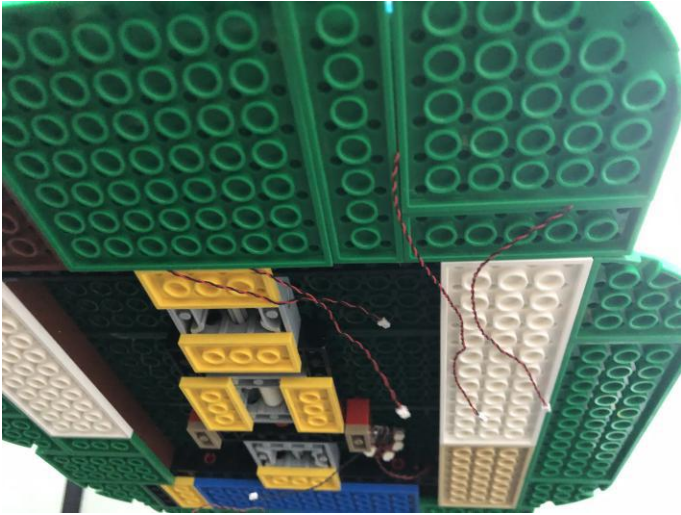


Reconnect the green pieces we removed before.



Lift the whole piece and check the cables.

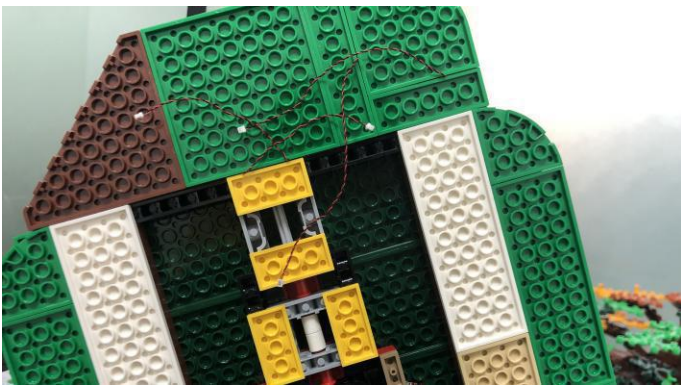




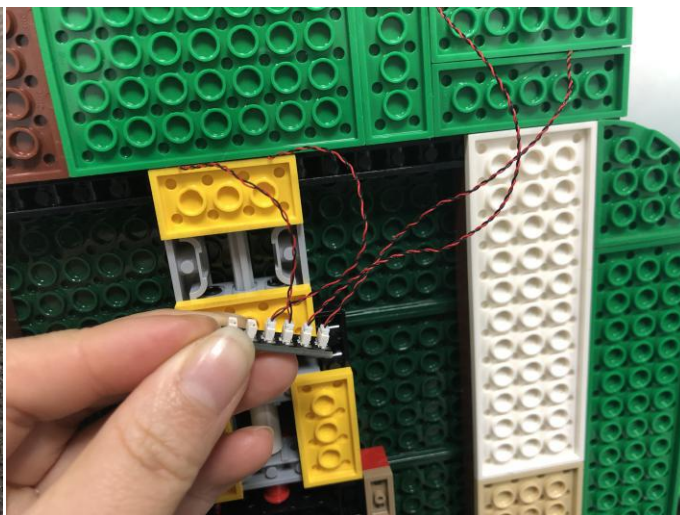
Reconnect other pieces we removed before.



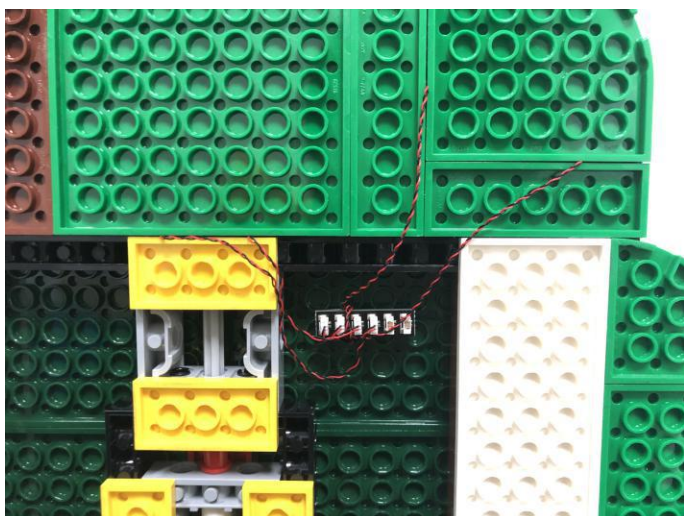
Turn the house to its side.



Take a 6-port expansion board, connect the 4 cables from the river to it.



Stick the expansion board to the following place with the adhesive square.



Continue to install lights for the house. Begin with the lamps at near the stairs. Remove the lamps as per below.

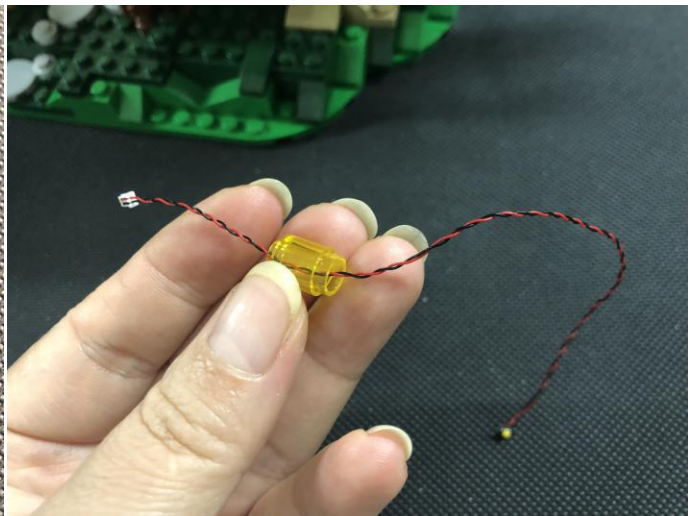


Disassemble the lamp.

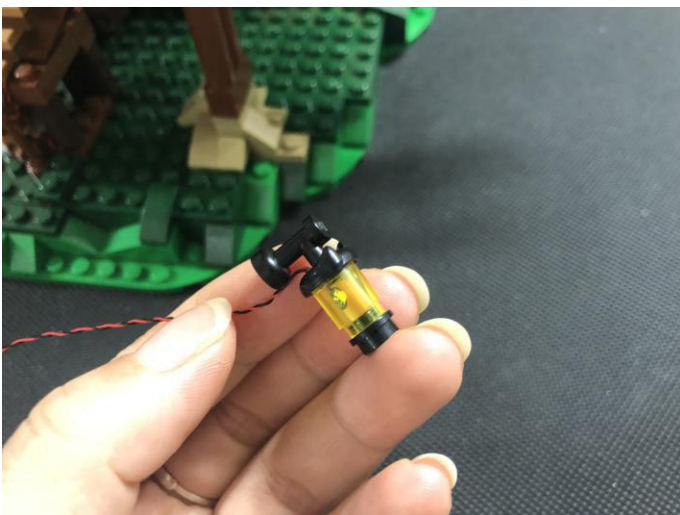




Take a warm white 15cm dot light, thread the light through the trans yellow shade.



Reconnect the lamp.

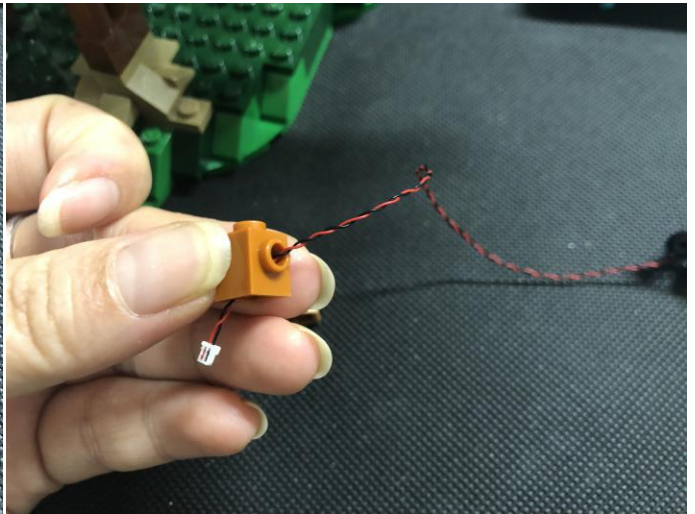


Remove the roof of the master bedroom, remove the following 1x4 hinge plate.

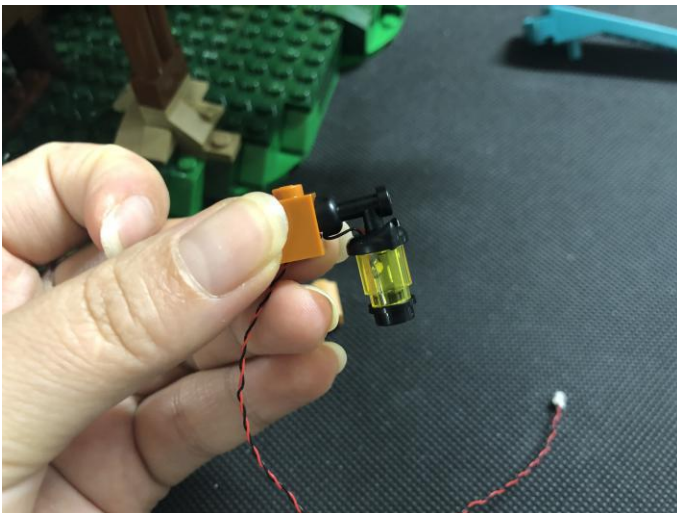




Disassemble the following pieces, thread the cable through the orange brick.

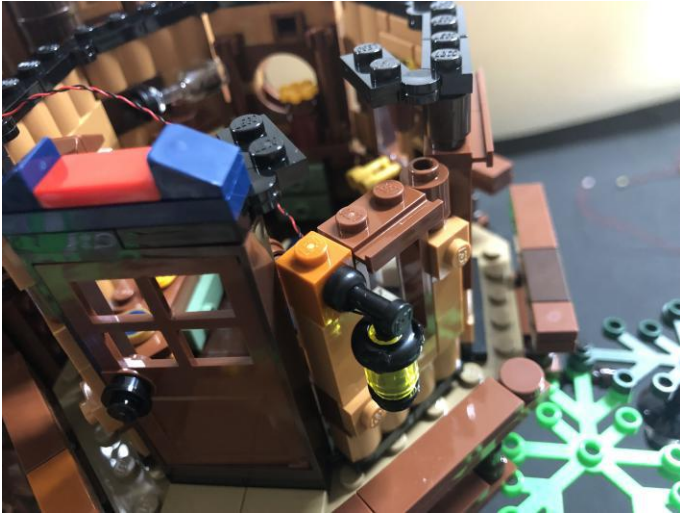


Reconnect the lamp.

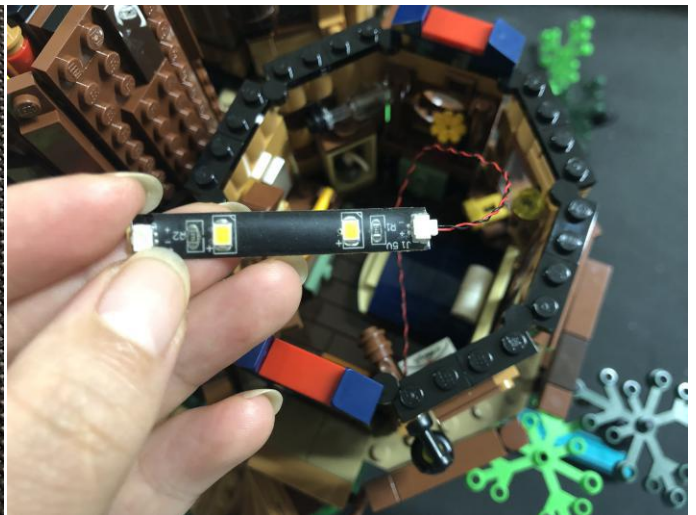


Reconnect the pieces we removed, pull the cable to the inside of the house.

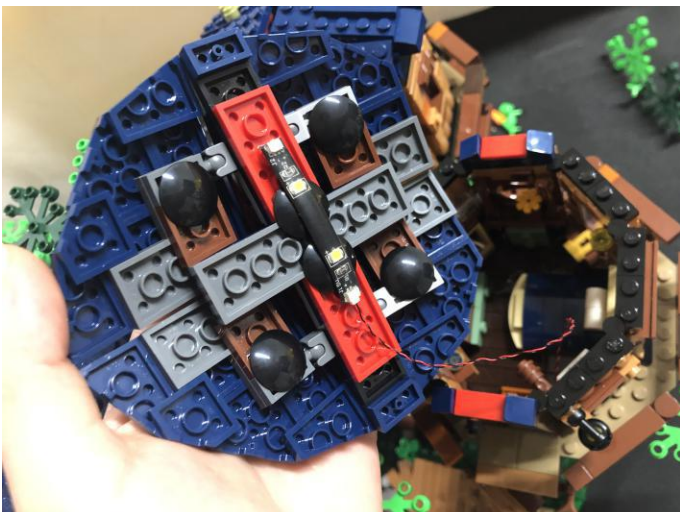




Take a warm white strip light (striplight#1), connect the cable from the lamp to the right port of the striplight#1.



Stick the strip light to the roof of the master bedroom.

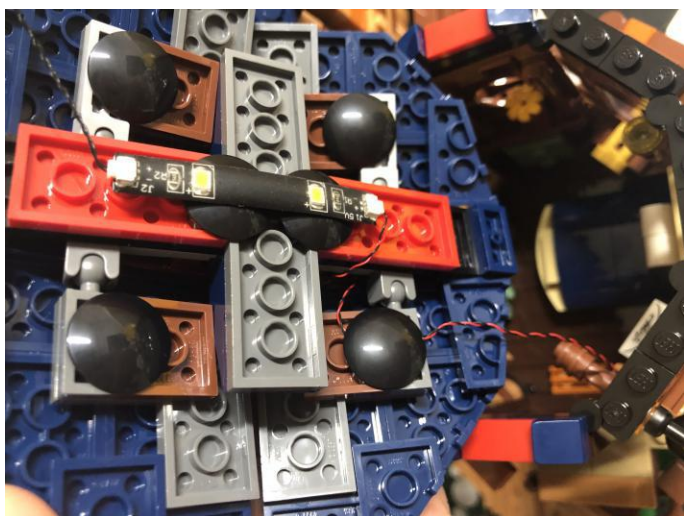


Take a 15cm connecting cable, connect it to the other port of the strip light.





Secure the cable with the black round piece.

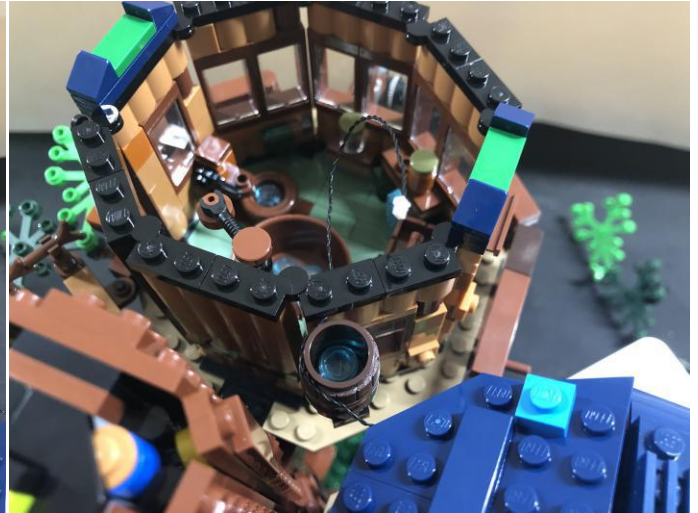


Reconnect the roof of the master bedroom, pull the cable out from the bathroom.



Remove the roof of the bathroom, pull the cable from the master bedroom to the bathroom, secure the cable with the hinge plate.

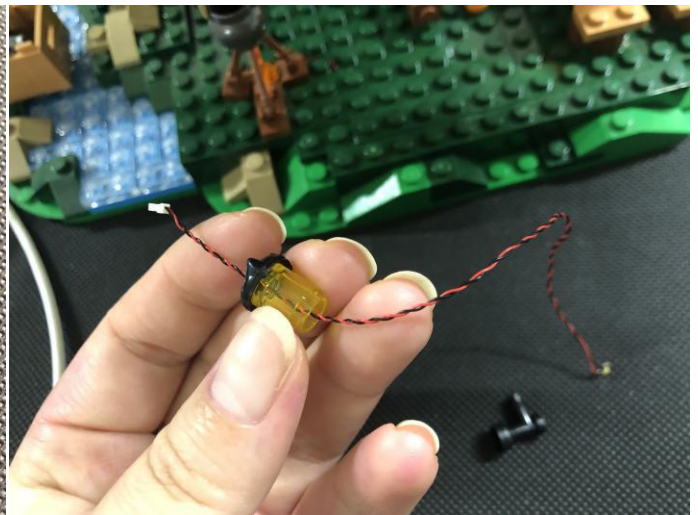




Continue to install light for the bathroom, disconnect the lamp as per below.

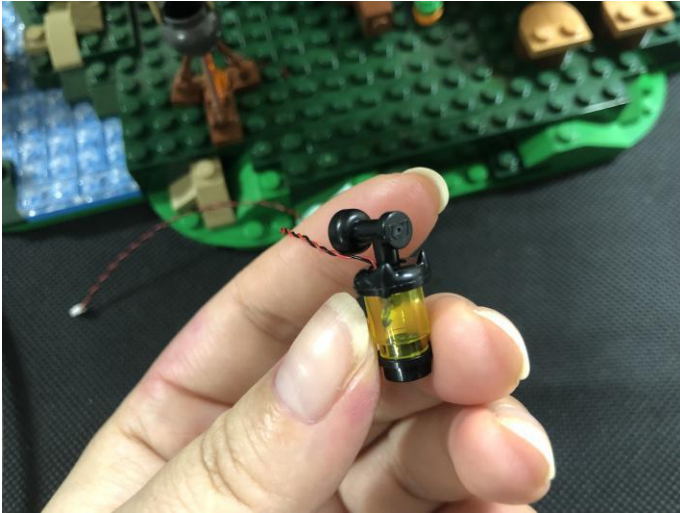


Take a warm white 15cm dot light, thread the light through the trans yellow shade.

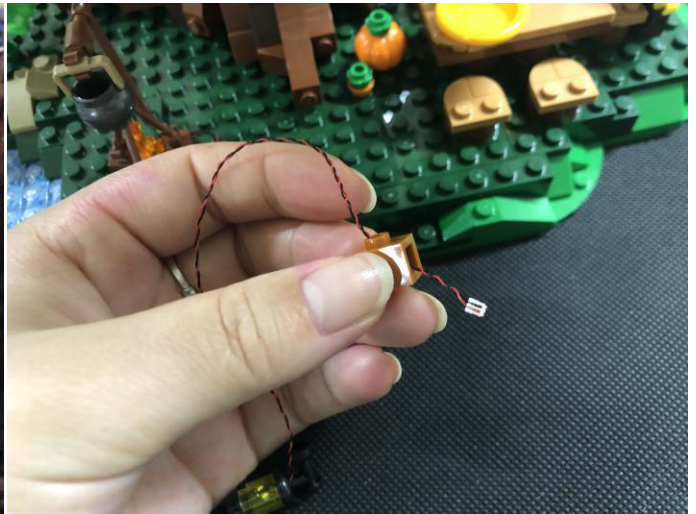


Reconnect the lamp.





Remove the following piece, thread the light through the orange brick as per below.



Reconnect the lamp.



Reconnect the pieces we removed before.

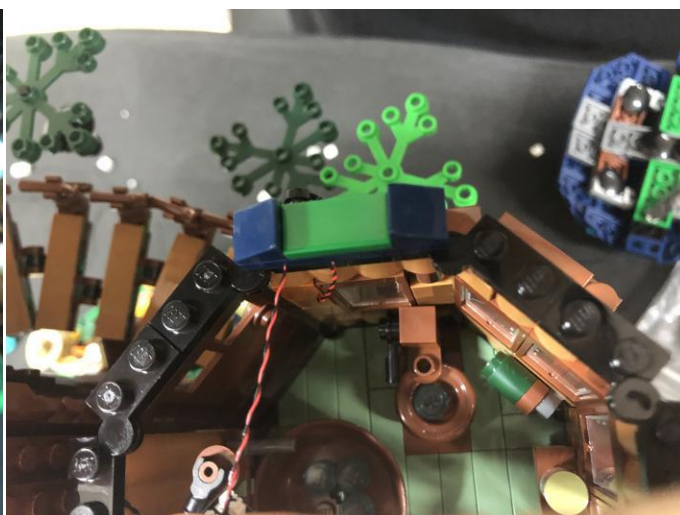




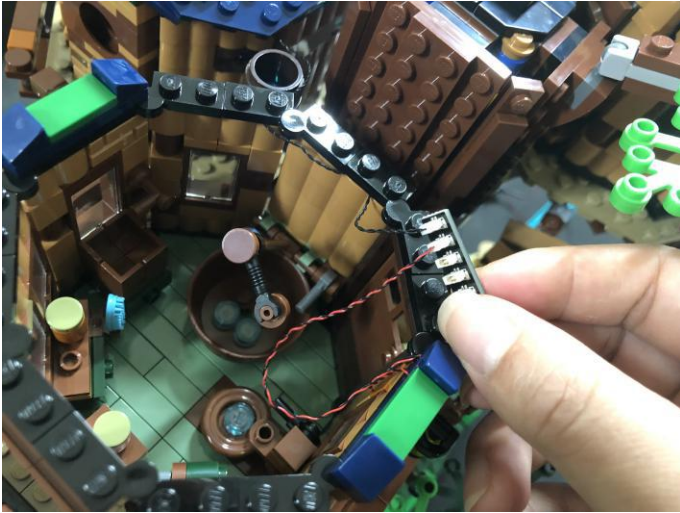
Take a 6-port expansion board, secure the cable with the hinge plate.



Remove the following piece to help to place the cable, connect the connecting cable and the cable form the lamp to the expansion board.



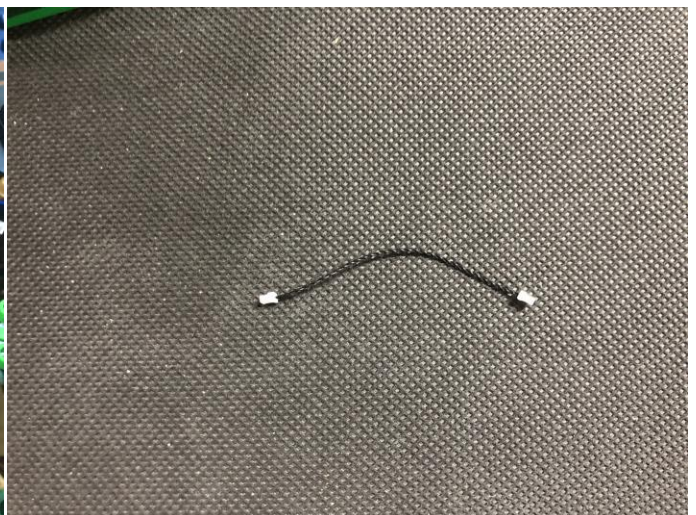
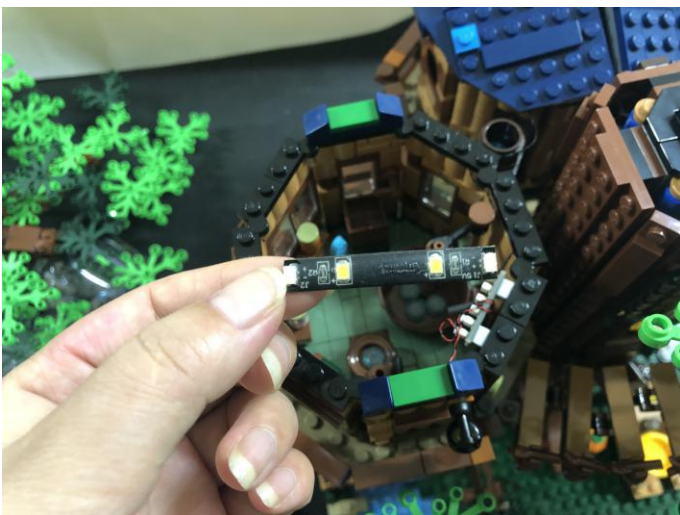




Secure the expansion board to the following place with adhesive square.

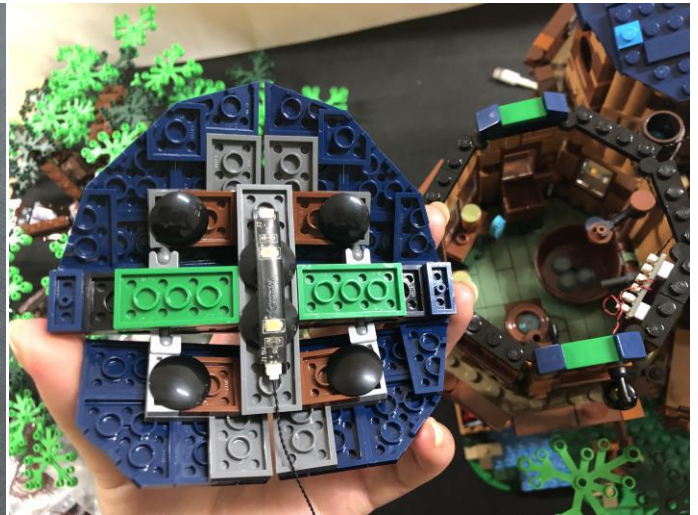
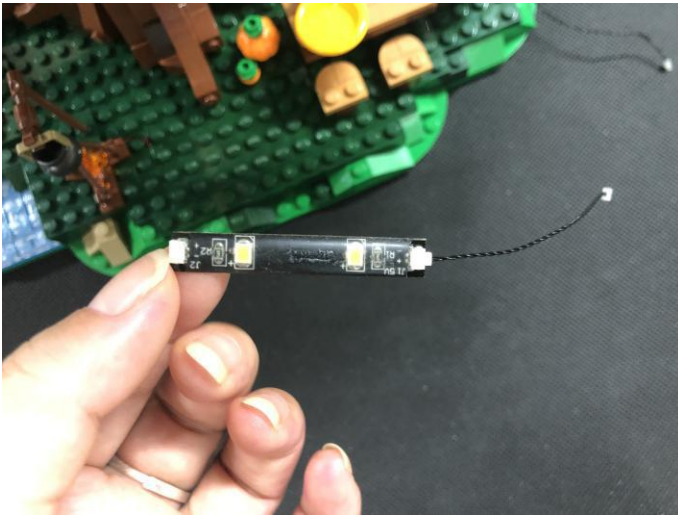


Take a warm white strip light(striplight#2), a 15cm connecting cable.



Connect the connecting cable to the right port of the strip light, stick the strip light to the roof of the bathroom.





Connect the connecting cable form the strip light to the expansion board.



Take a 30cm connecting cable, connect it to the expansion board in the bath room.



Pull the cable toward the children' s room.





Remove the following pieces to secure the cable.



Remove the roof of the children' s room.



Remove the following pieces beside the bed.





Reconnect the hinge plate and the light brown plate to secure the cable.



Place the cable as per below , reconnect the blue piece.



Continue to install light in front of the door, remove the lamp and disassemble it.





Take a warm white 15cm dot light, thread the light through the trans yellow shade.

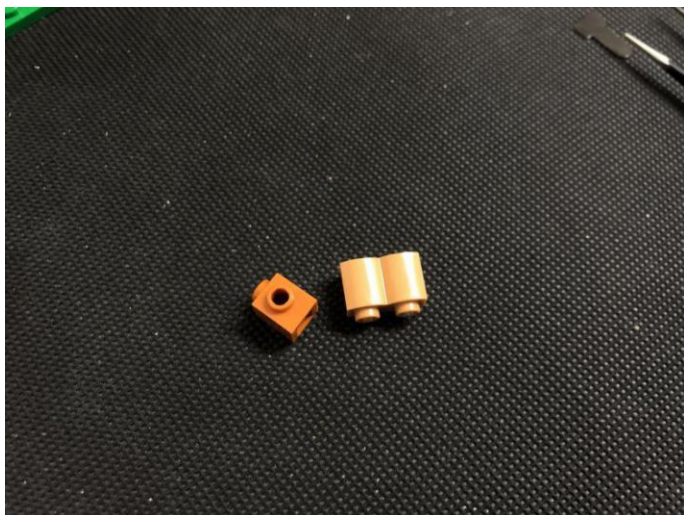


Reconnect the lamp.

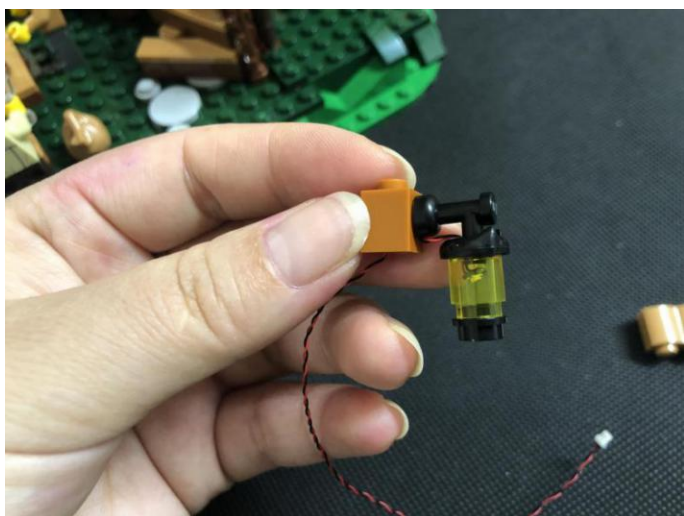


Remove the following 2 pieces, thread the cable through the orange brick as per below.





Reconnect the lamp.

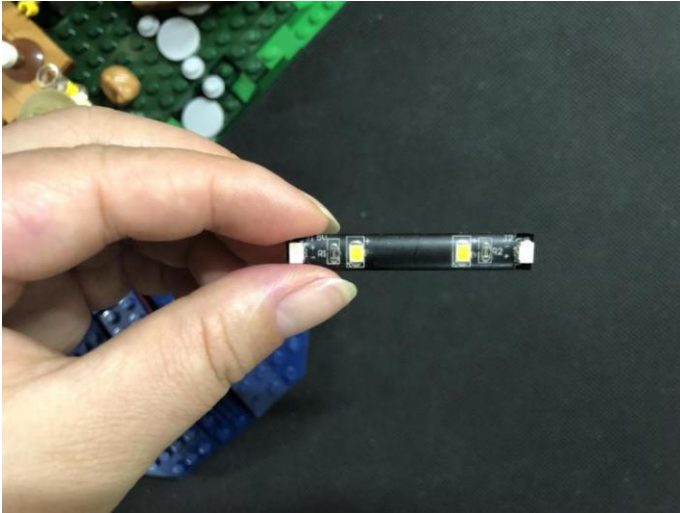


Reconnect the 2 pieces we removed before, pull the cable toward the inside of the house wind the cable as per below, secure it with the hinge plate.



Take a warm white strip light(striplight#3), connect the cable from the bathroom to the right port of the strip light, connect the cable from the lamp to the left port.





Stick the strip light to the ceiling of the children' s room, secure excess cable with the black round piece.



Reconnect the roof.



Move onto installing lights on the tree, start from the swing, remove the leaves and the street lamp.

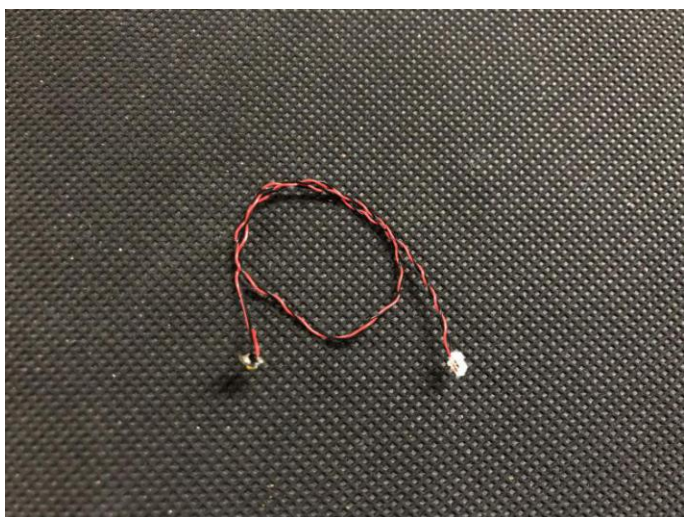




Disassemble them as per below.

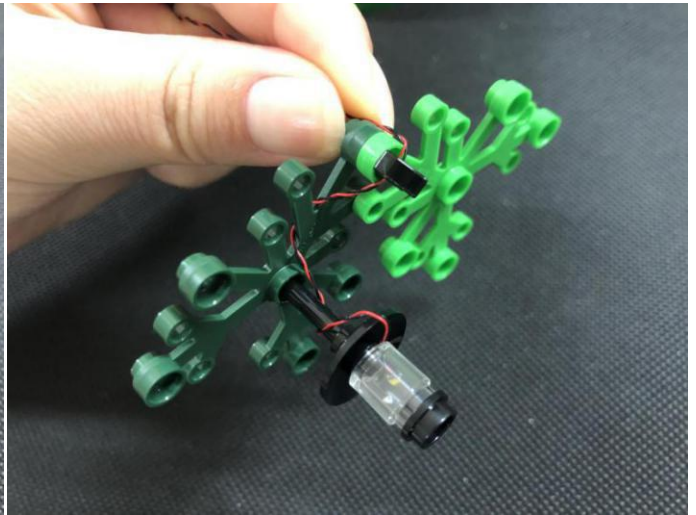


Take a warm white 15cm dot light, thread the light through the following piece.



Wind the cable around the post and the leaves.

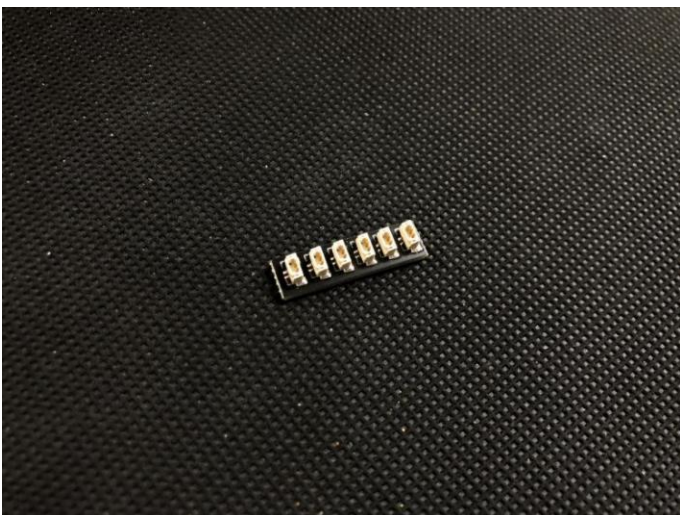




Reconnect the pieces we removed before, wind the cable around the trunk as per below.



Take a 6-port expansion board, connect the cable to it.

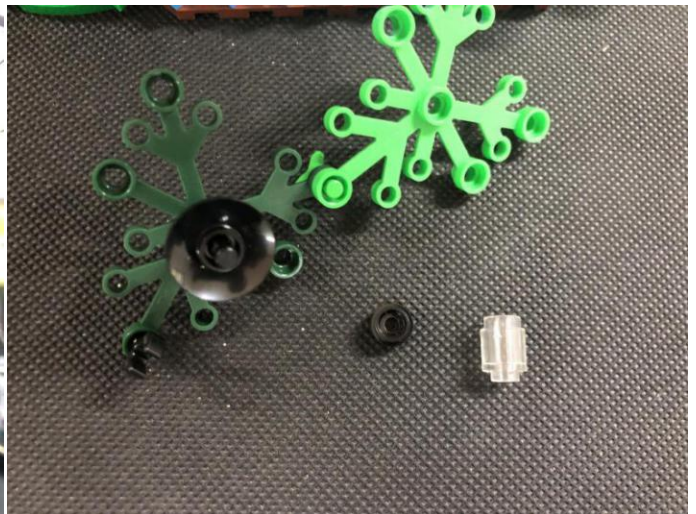


Stick the expansion board to the bottom of the house with adhesive squares.

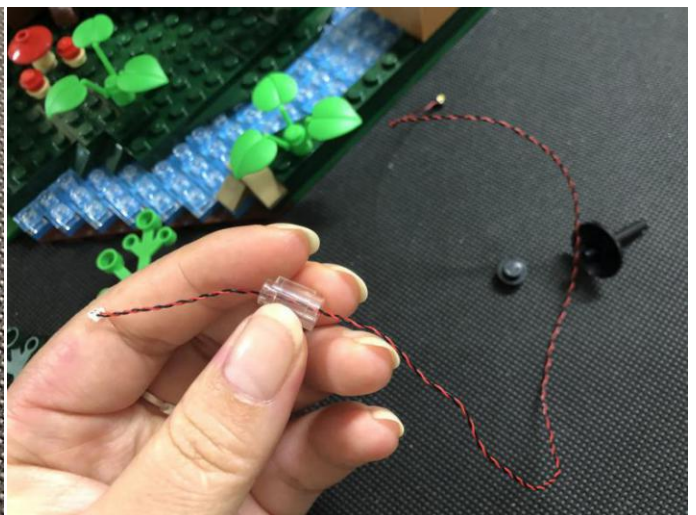




Now, we' ll install the light outside the bathroom, remove the following part.

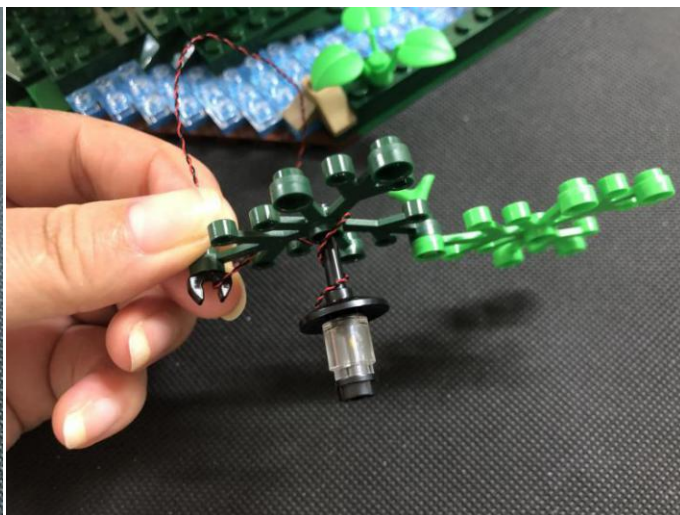
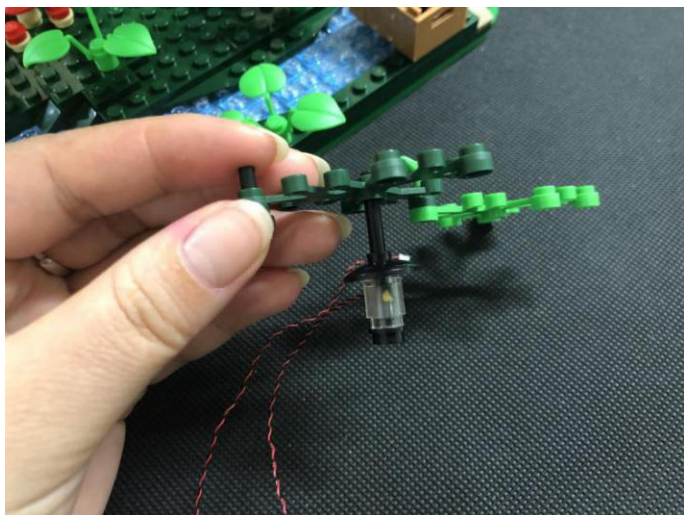


Take a warm white 30cm dot light, thread the light through the following piece.

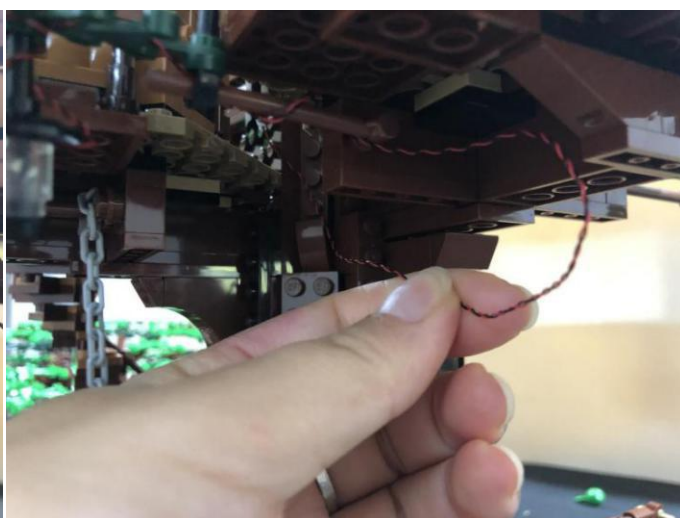


Reconnect the shade, wind the cable around the trunk and the leaves.



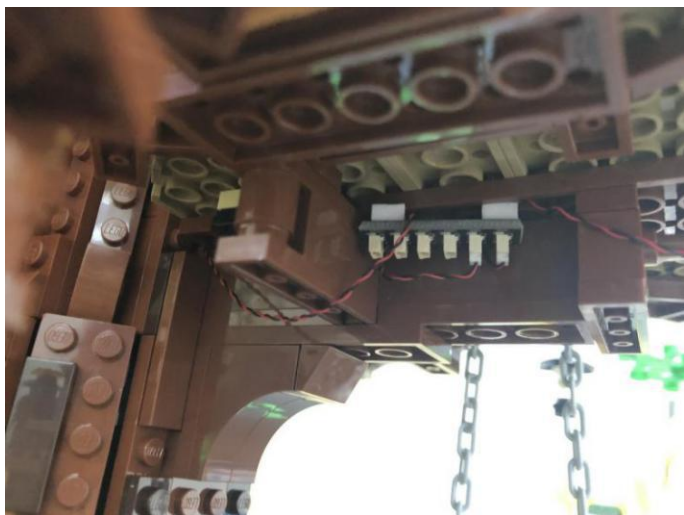


Reconnect the pieces, wind the cable around the trunk, thread it through the back of the master room, pull it to the stairs.

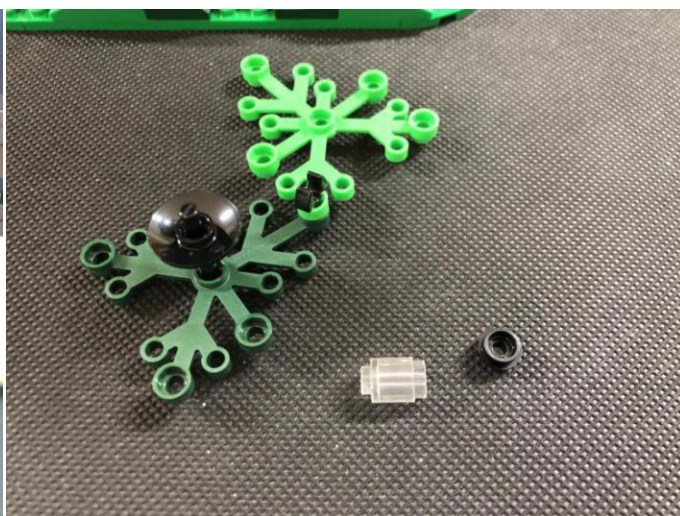


Then, connect the cable to the expansion board.

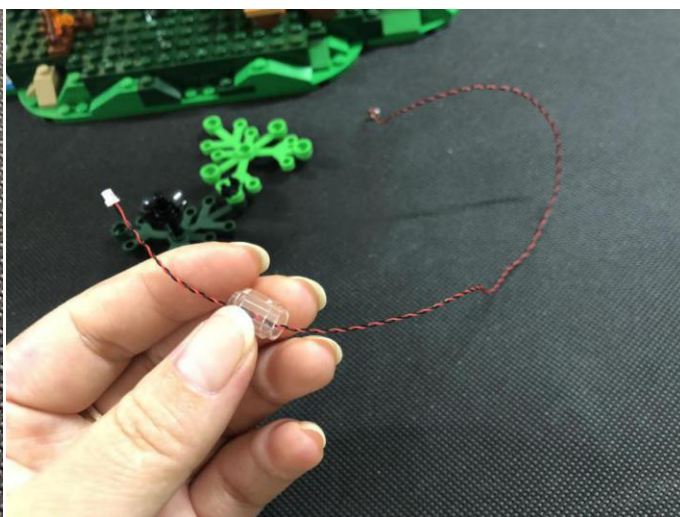




Move onto installing lights beside the hall way. Remove the following pieces.

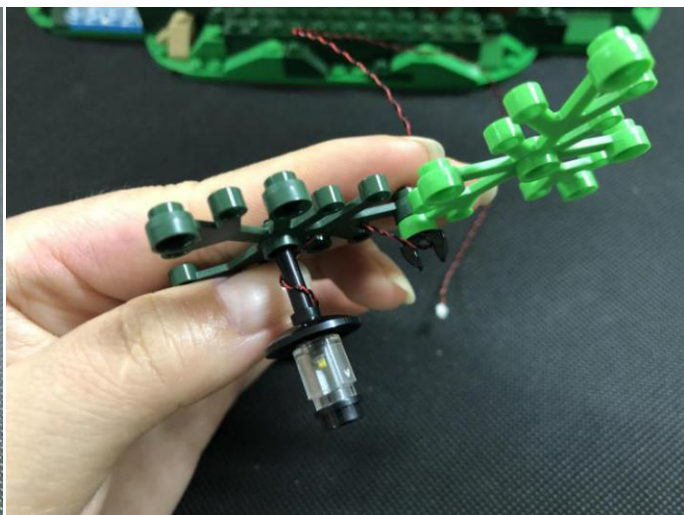
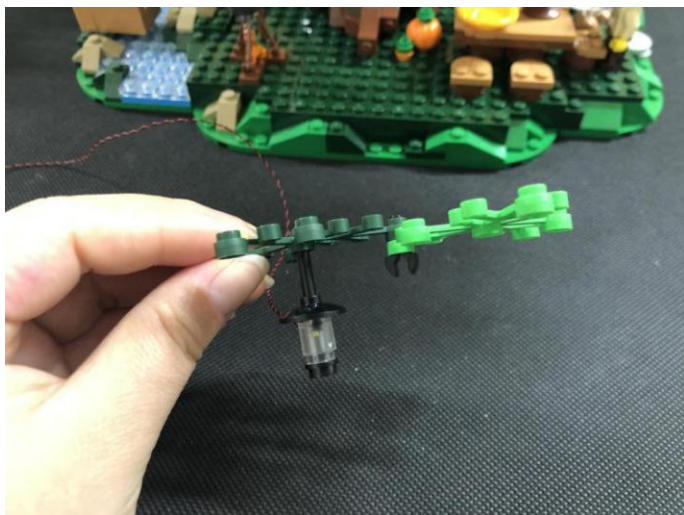


Take a warm white 30cm dot light, thread the light through the following pieces.

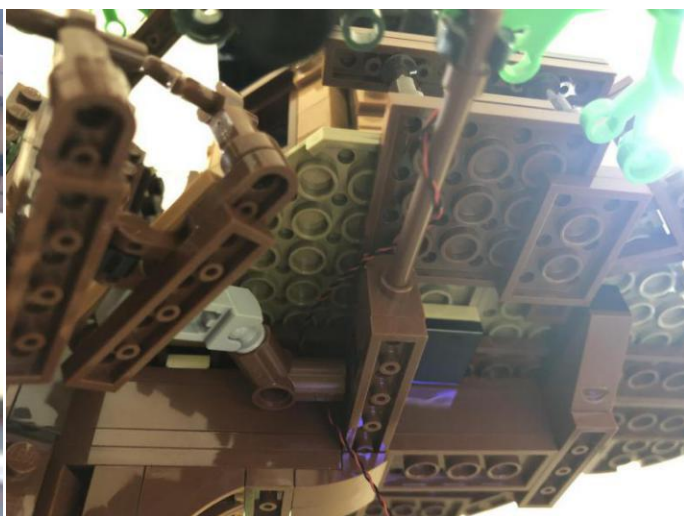


Reconnect the shade, wind the cable around the trunk and the leaves.

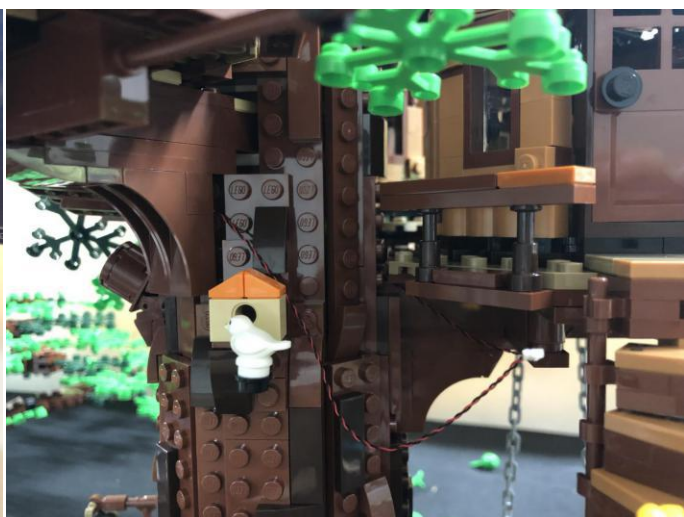
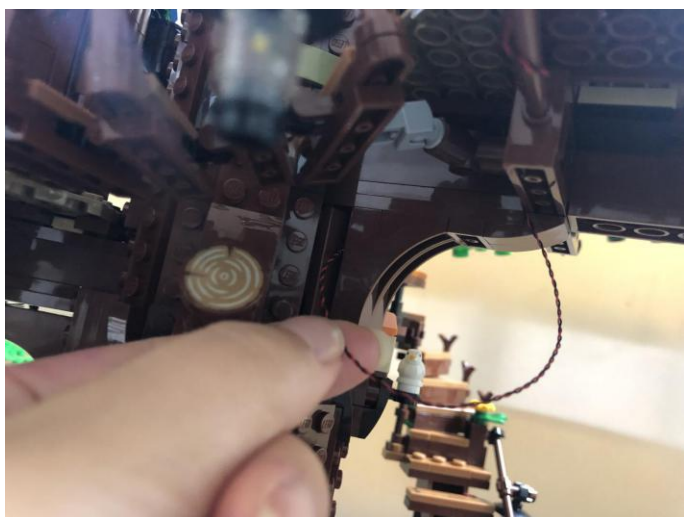




Reconnect the pieces we removed before, wind the cable around the trunk as per below.

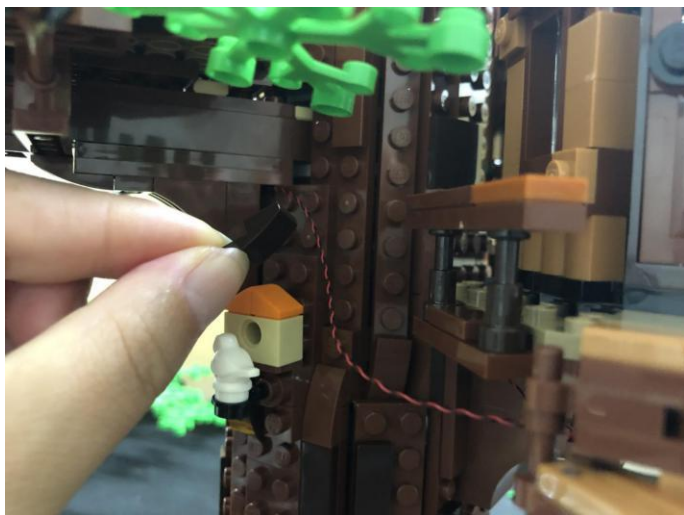


Thread the cable through the following gap, and pull it out beside the bird house.

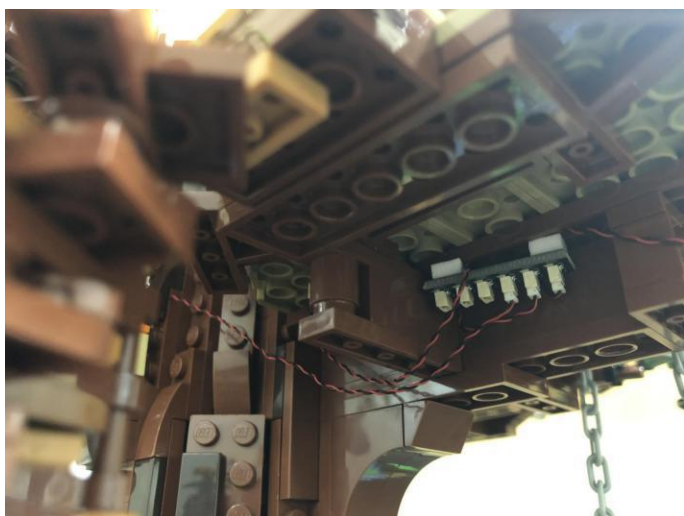


Remove the brown pieces behind the bird house to secure the cable.





Connect the connector of the light to the expansion board.



Take a 1x1 square plate (Note: the color depends on the package) to secure the 2 cables.

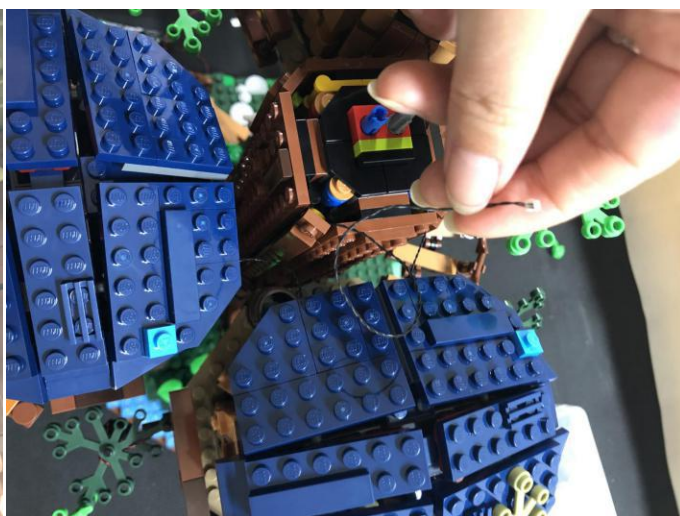
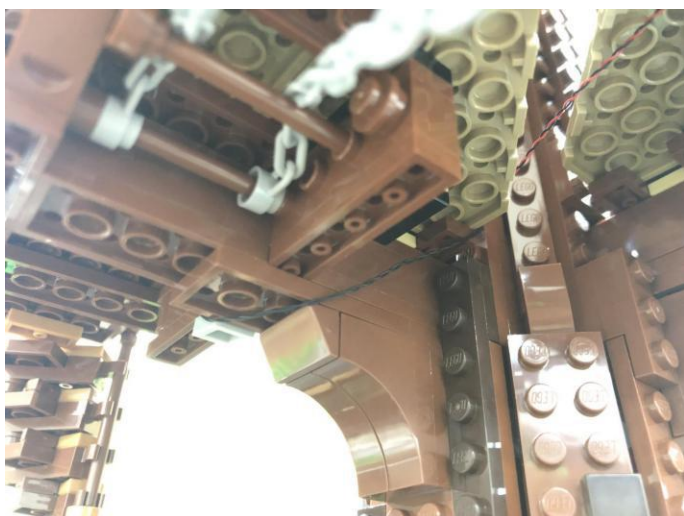


Take a 50cm connecting cable, connect it to the expansion board.





Thread the cable through the bottom, and pull it upward.



Pull the cable toward the bath room, connect the connecting cable to the expansion board in the bathroom.



Reconnect the roof of the bathroom.





Take 3 warm white strip lights, two 15cm connecting cable, assemble them as per below.



Stick the first strip light to the bottom of the children' s room, and stick the one at the middle to the bottom of the bathroom.

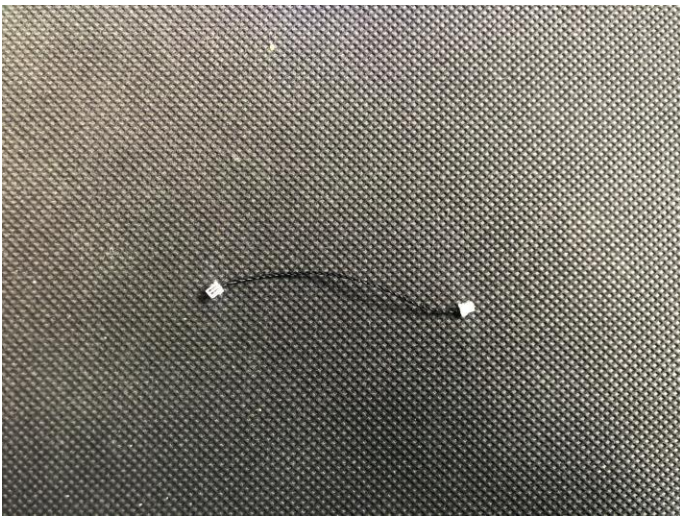


Thread the last strip light over the swing, and stick it to the following place.

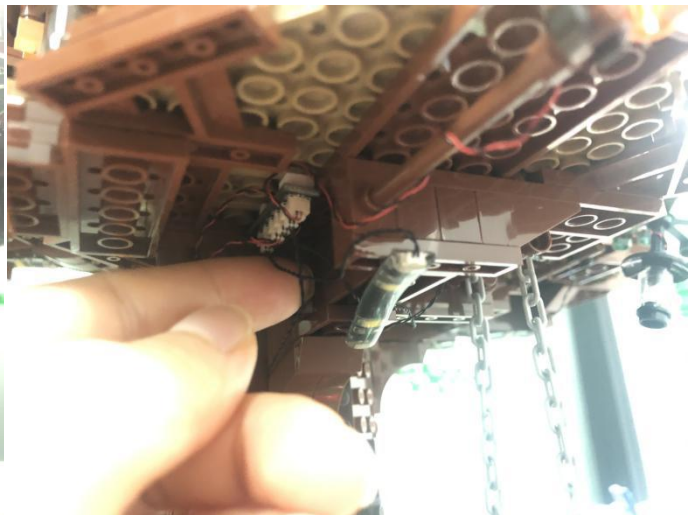
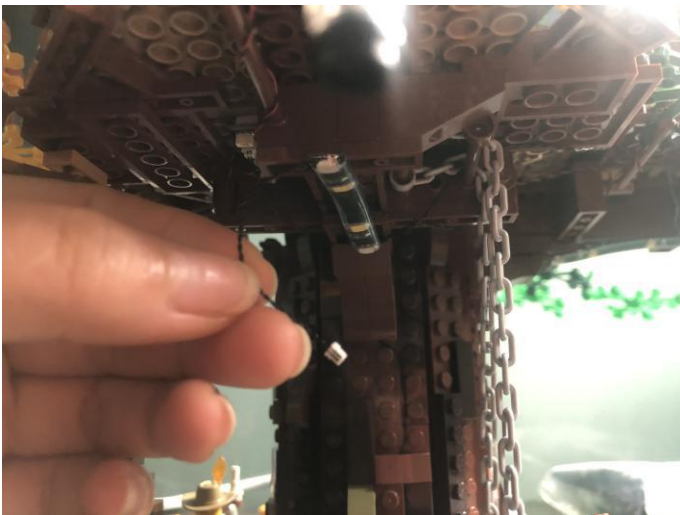




Take a 5cm connecting cable.

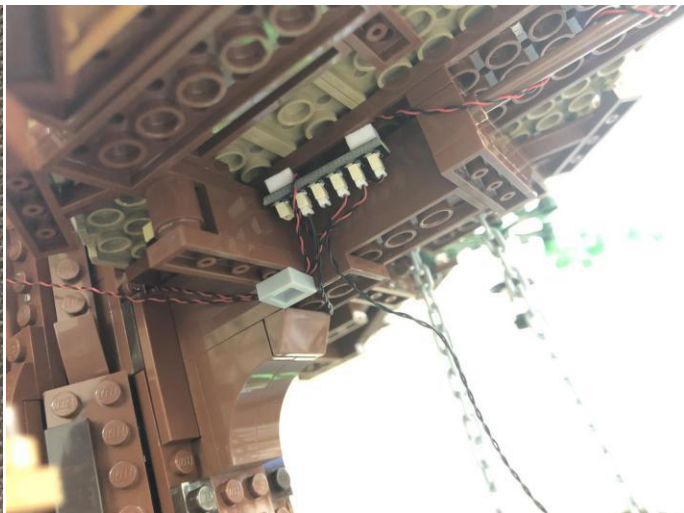


Connect it to the strip light, connect the other side to the expansion board nearby.



Take a 30cm connecting cable, connect it to the expansion board underneath the house.





Remove the following piece to secure the cable.



Remove the 1x2 plate to secure the cable.

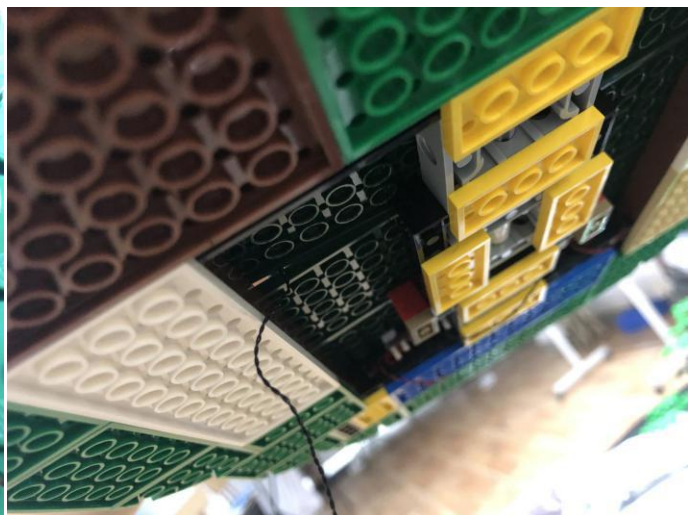
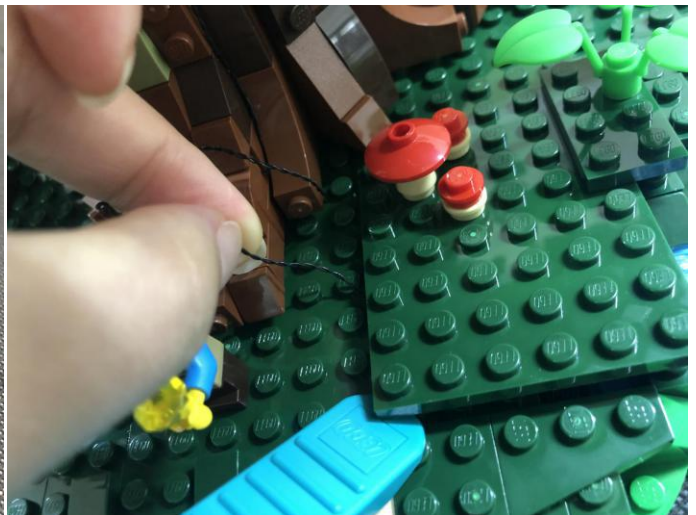


Continue to remove the following brick to help to secure the cable.



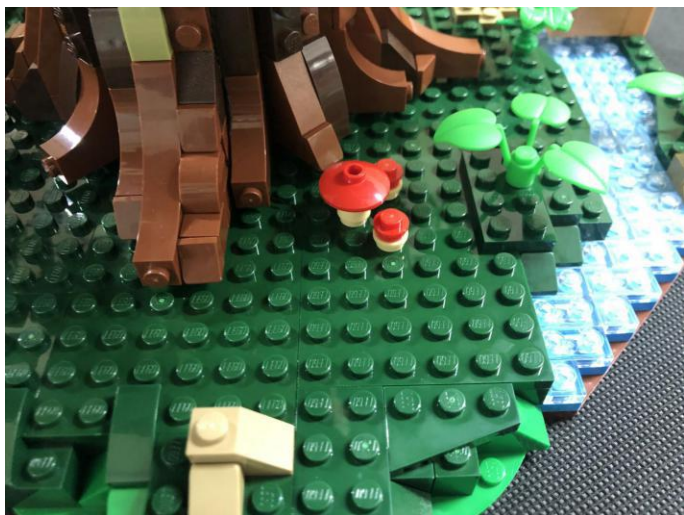


Lift the following piece as per below to allow the cable thread through, and pull it to the bottom of the plate.

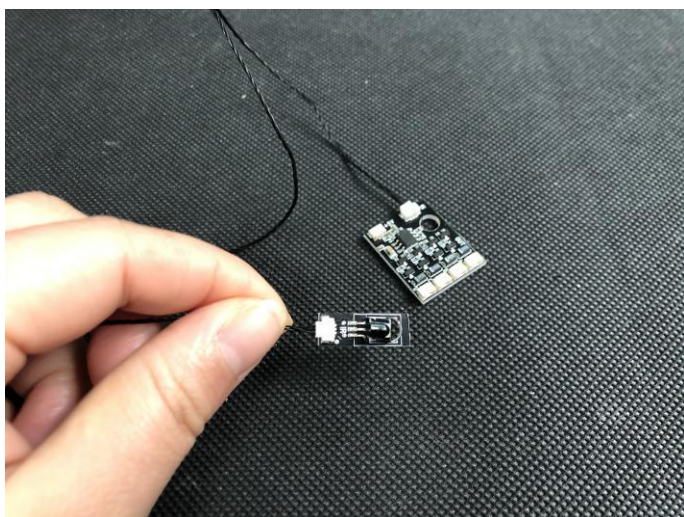
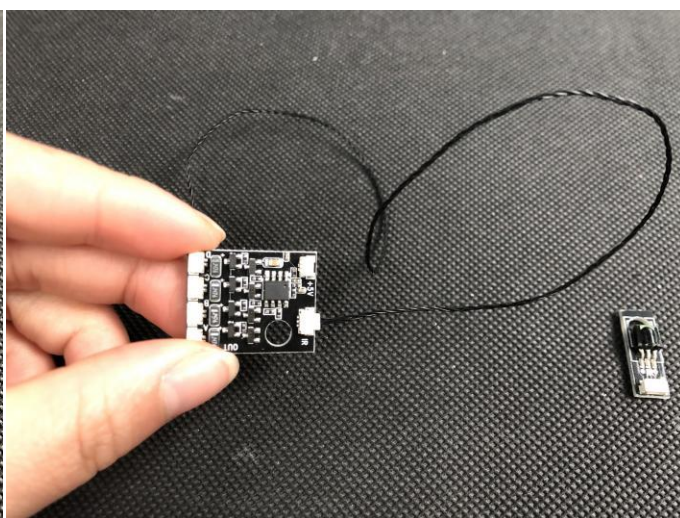
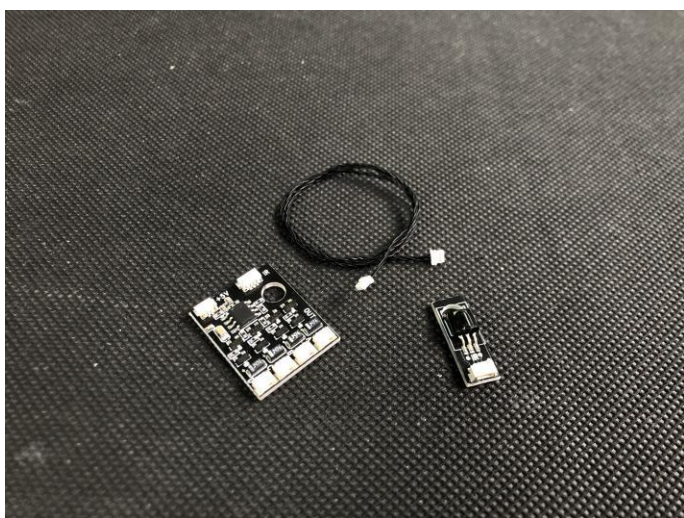


Reconnect the piece we lifted.



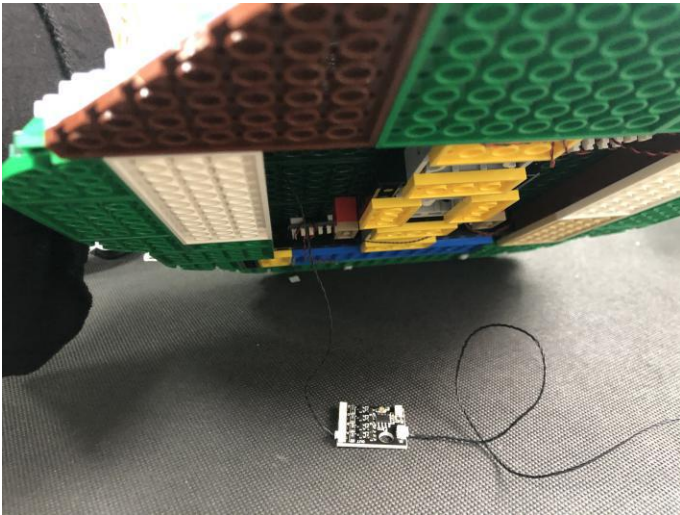


Take the Remote Control Switch Board, connect its cable to the board and connect the other end of the cable to the inductor.

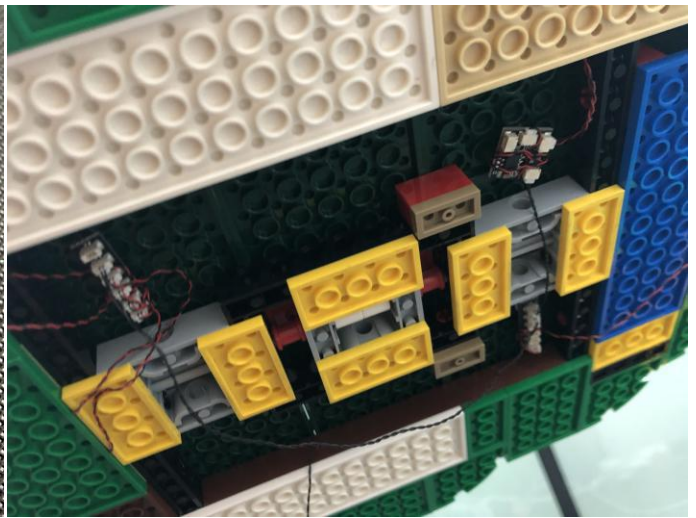


Connect the cable from bottom of the house to the Remote Control Switch Board.

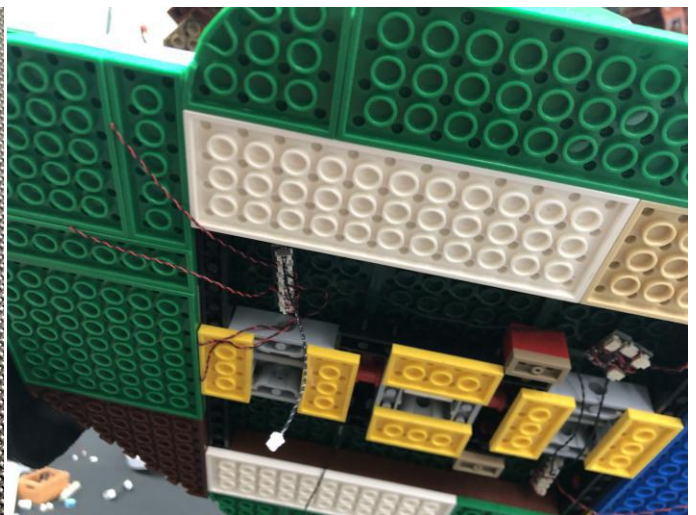




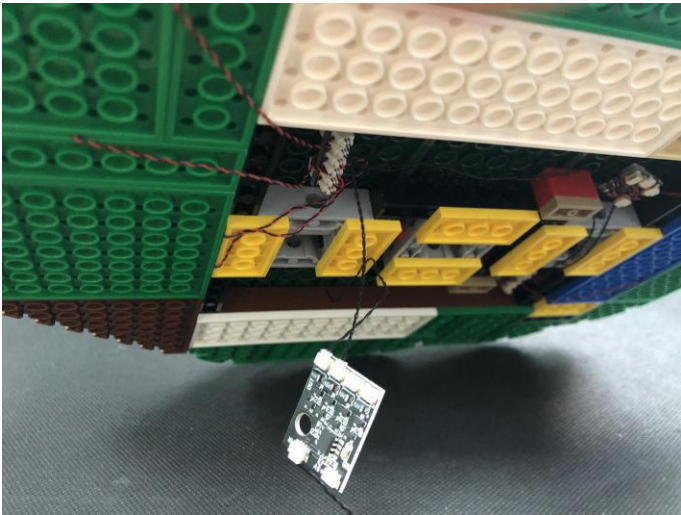
take a 15cm connecting cable, connect the expansion board from the river and the following expansion board together with the connecting cable.



Take a 5cm connecting cable, connect it to the expansion board from the river, and connect the other end to the Remote Control Switch Board.







Move onto installing lights for the treetop.



Take 3 warm white strip lights, three 15cm connecting cables, assemble them as per below.



Stick the strip light to the following branches.





Thread the cables down through the gaps.



Take a 8-port expansion board, connect the cables from the 3 strip lights to it.



Tuck excess cables, stick the expansion board to the following place.

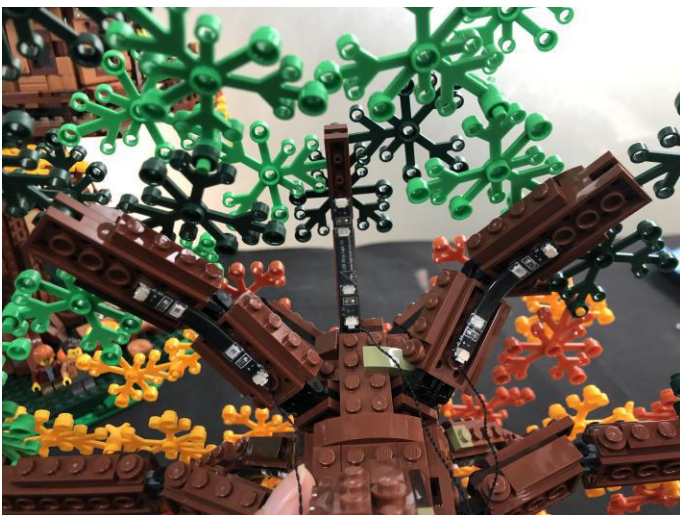




Take 3 green strip lights, and three 15cm connecting cables, assemble them as per below.



Stick the strip lights to the following branches.

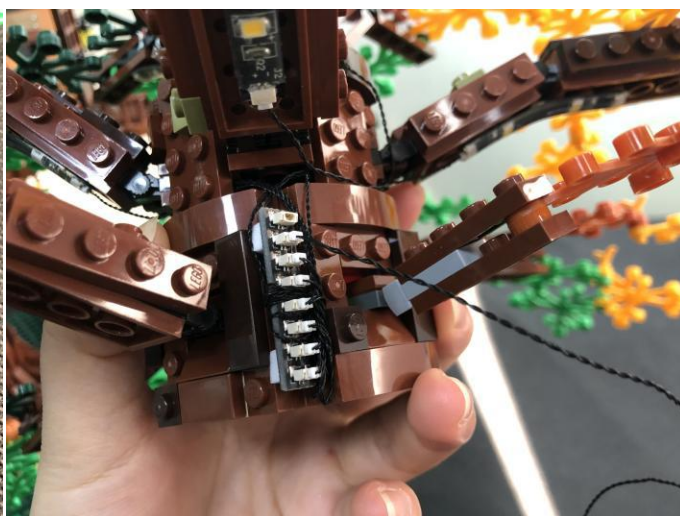


Thread the cables through the gaps and connect them to the expansion board.





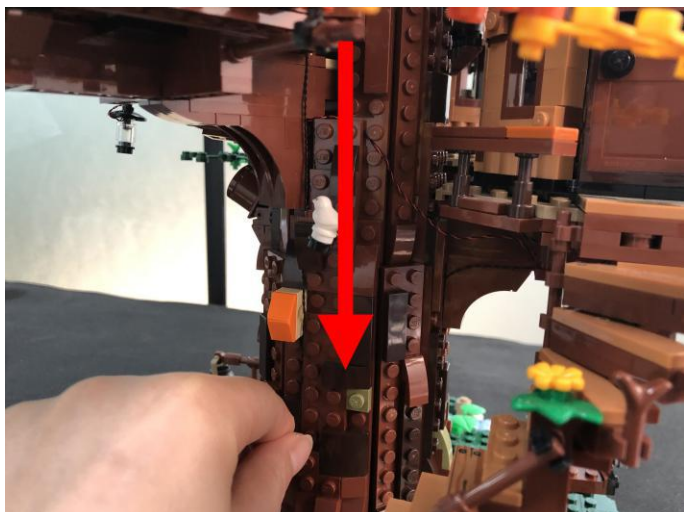
Take a 50cm connecting cable, connect it to the expansion board.



Reconnect the treetop, place the cable downward as per below.



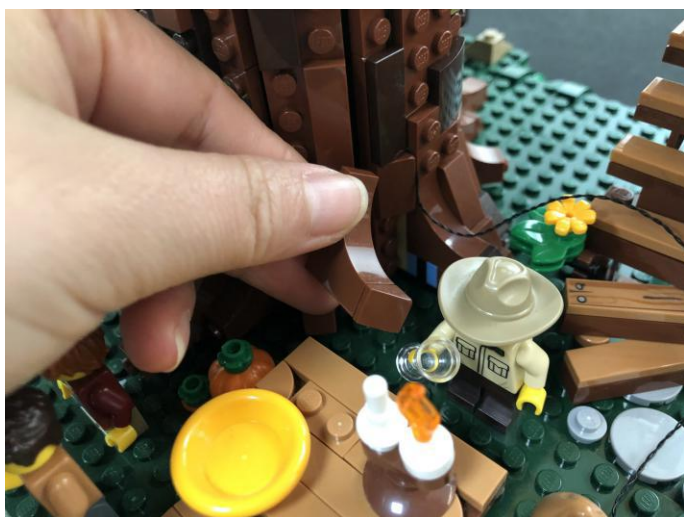




Remove the following dark brown plate to secure the connecting cable.



Remove the following brown piece to secure the cable.



Remove the following piece, thread the cable downward to the bottom.

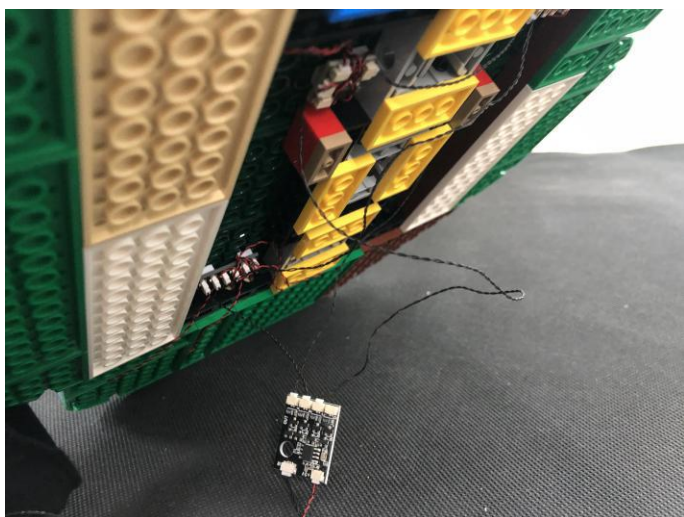




Reconnect the pieces we removed before.

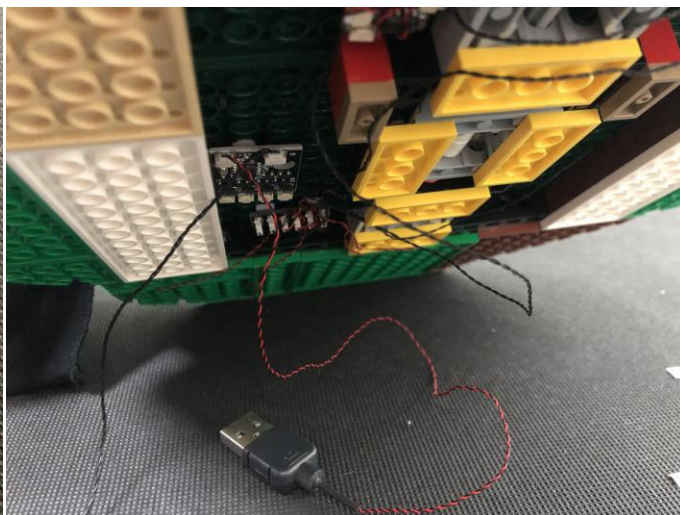


Connect the connecting cables to the Remote Control Switch Board.

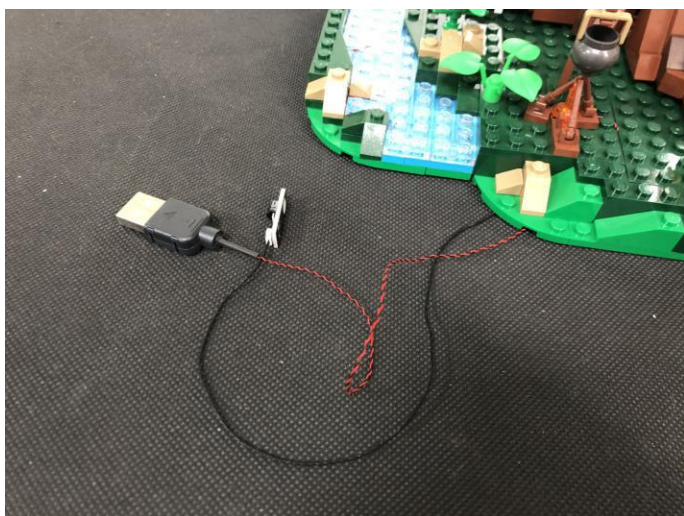


Take the USB Cable, connect it to the Remote Control Switch Board, stick the Remote Control Switch Board to the following place.





Place the inductor and the USB cable aside.



This completes installation of this LED Lighting Kit. ENJOY!