

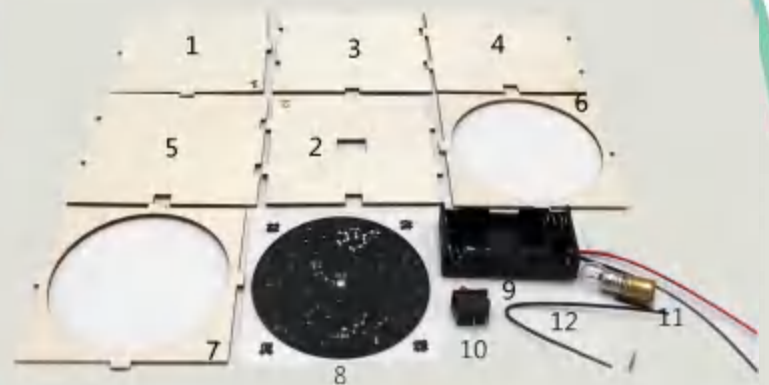
# DIY STAR MAP LIGHT



## Experimental principle:

The principle of keyhole imaging is that the light in the same uniform medium, without the interference of gravitational action, will move along the straight line propagation. That is namely the straight line propagation of light. When a board with small holes is used to block between the object and the wall, the reflection of the object will be formed when turn on the bulb. We call this phenomenon keyhole imaging. There are all kinds of constellations on the slide. Let's get to see them.

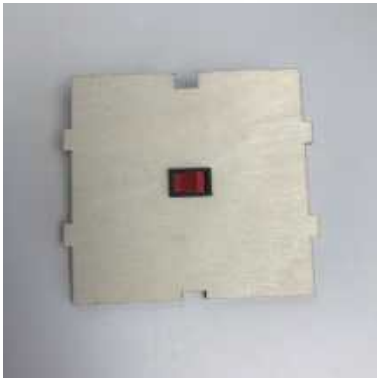
1. Base board
2. Side board with hole
- 3-5. Side board
- 6-7. Top boards
8. Slide
9. Battery case
10. Switch
11. Bulb
12. Wire
13. Double - side tape



Warning:  
CHOKING HAZARD-Small Parts. Not for children under 3 years. It must be accompanied by a parent or teacher while assembling.

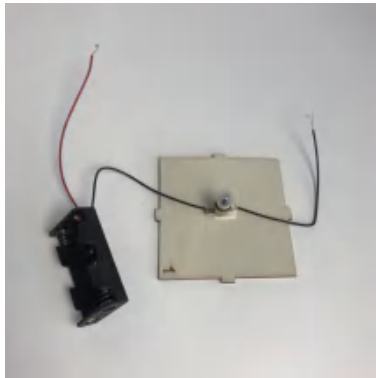
# ASSEMBLY PROCESS:

## Step 1:



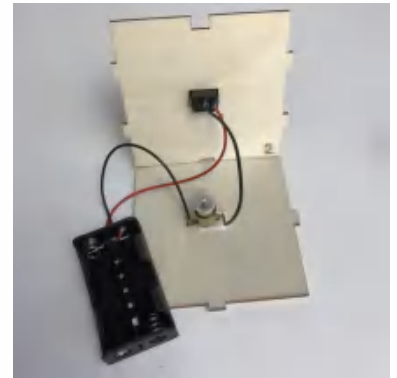
Insert the switch into the slide board 2.

## Step 2:



Paste the bulb to the base board by double side tape. Connect the wire with the bulb and connect the wire of battery case with the bulb.

## Step 3:



Assemble the slide board 2 to the base board. Then connect the wires with the switch (one point is battery case wire, the other is bulb wire)

## Step 4:



Assemble other slide boards to the base board. Insert two AA batteries into the battery case.

## Step 5:



Put the slide in the middle of the two top boards.

## Step 6:



Assemble the top boards to the slide boards. Open the switch, you can see the star map light in the dark room.

## Notes:

1. Please prepare two AA batteries, batteries are not provided in the kit.
2. If the bulb doesn't work, please check the connection of the wires. Change the position of the wires.
3. Please make sure that when assemble the slide boards, the direction of all boards are correct.