EST 2014

BOTSHOP

LET THE FUN BEGIN

Luna

Intelligent light

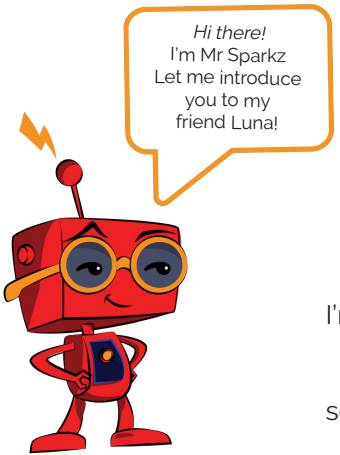
Discover the Joy of a mechanical Friend

NOT included

level

Luna

the Intelligent light



Hey there, little buddy!

I'm Luna, the
intelligent light,

I'm a intelligent
light and
I'm here to tell you
about me, so get
ready for
some magical fun!

Hello there, little friend! I'm Luna, the Intelligent Light. I'm here to be your bright and helpful companion on our exciting journey together.

Together, we'll learn about colors, technology, and how light works. We'll have fun experimenting and creating beautiful scenes with different colors and effects.

So, my young explorer, get ready to discover the wonders of light with Luna, your Intelligent Light. Let's learn, play, and brighten up our world in the most magical way!

How to get prepare:

- Before you start, you need to find a safe and clean place to work.
- If you have any questions or need help, you can ask your parents, a grownup or teacher and they will assist you.

Have fun!

Some things to keep in mind:

- *Be careful:* When you open the package with the parts, be careful not to drop or lose any small parts. They are very important for your model. If you lose a piece, your model might not work!

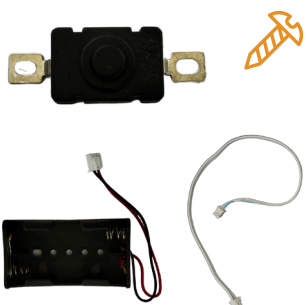
- *Read and follow:* If you want to make your model easily, you need to read the instructions well and follow the steps.

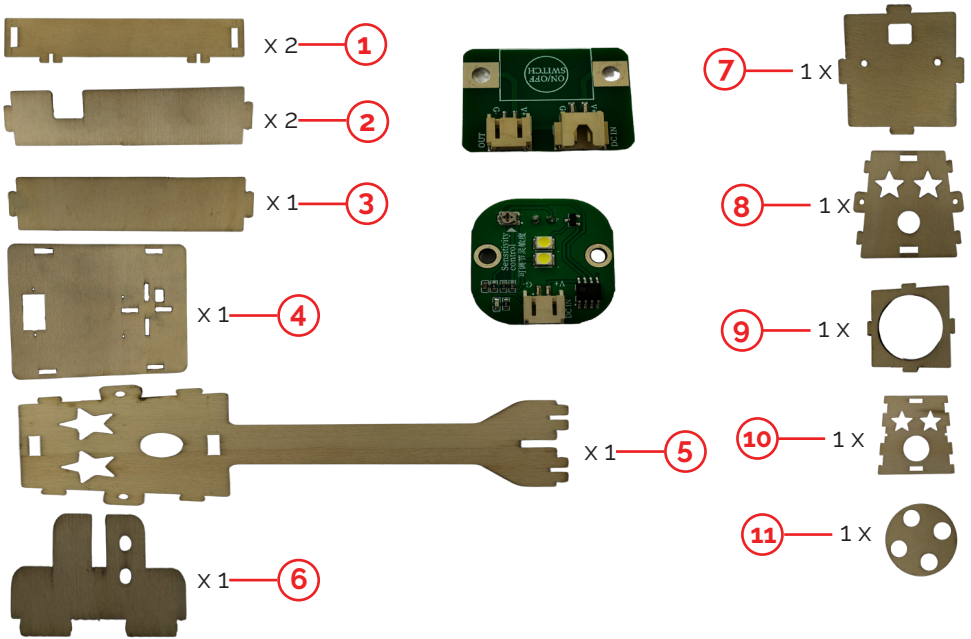
Let's see what we need and how to prepare:

Remember to get 2 x AA batteries for Luna!

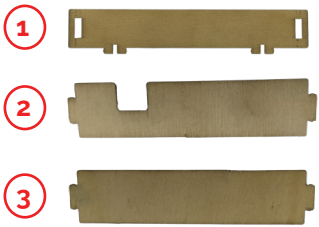
What is in the BOX

- 11 Different pieces of board
- 1 push button
- 1 battery box
- 16 4mm screws
- 1 switch plate
- 1 led module.
- 1 terminal wire
- Cable ties

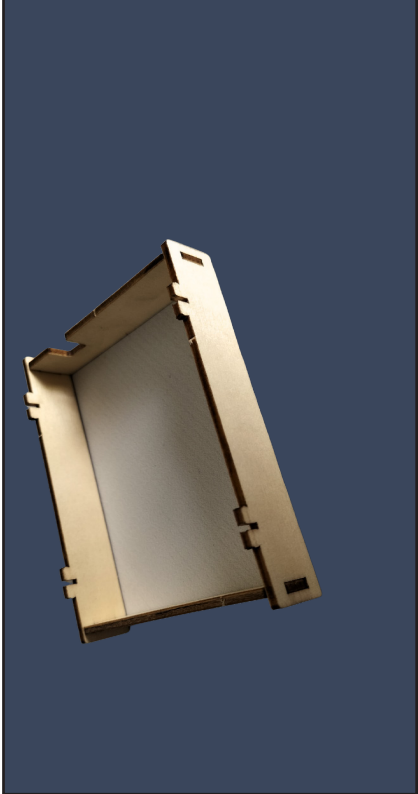


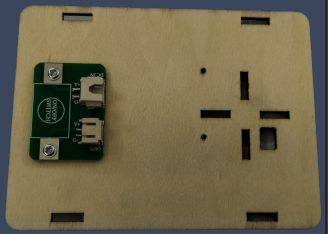

X 2
1
X 2
2
X 1
3
X 1
4
X 1
5
X 1
6
ON/OFF SWITCH
OUT
DC IN
Sensitivity
OUT
1 X
7
1 X
8
1 X
9
1 X
10
1 X
11

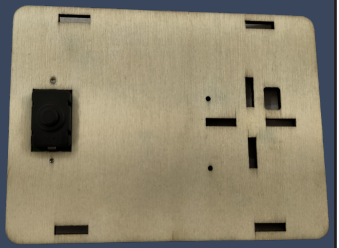
Step 1



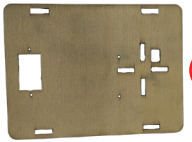
Look at the picture and add board 1, 2, and 3 together.

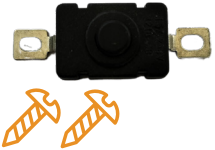






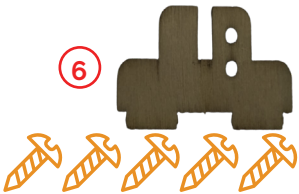
Step 2

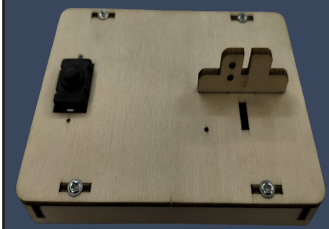




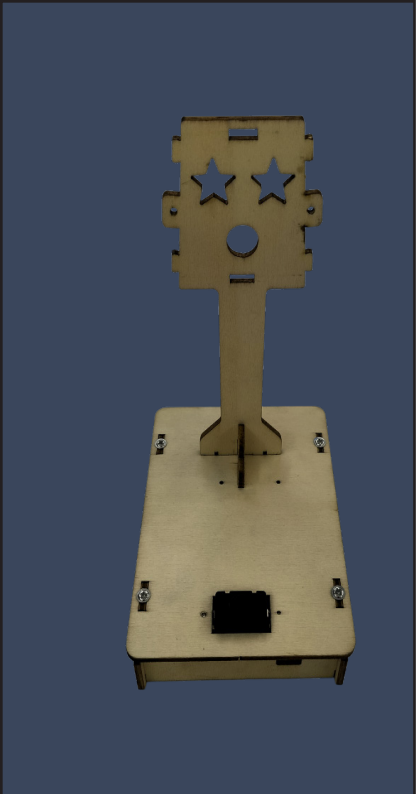
Follow the picture and place the black button into the hole on board 4. Then, stack the switch plate on top and use 4mm screws to secure them together.

Step 3





Install board 4 on top of boards 1, 2, and 3. Secure it with 4mm screws. Put board 6 on top of board 4.



Step 4

Install board 5 on top of boards 4 and 6 and secure it using 4mm screws.

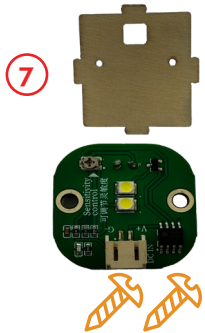
Step 5

Insert the power cord terminal from the battery box into the terminal port on the switchboard.

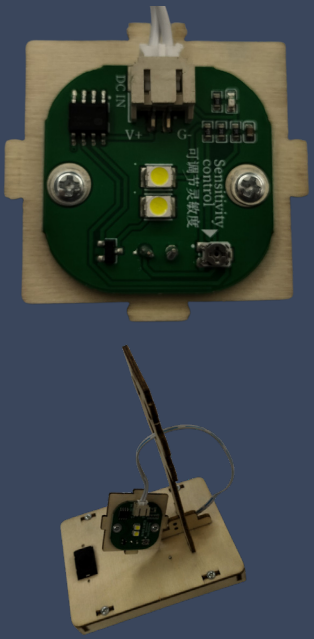
Step 6

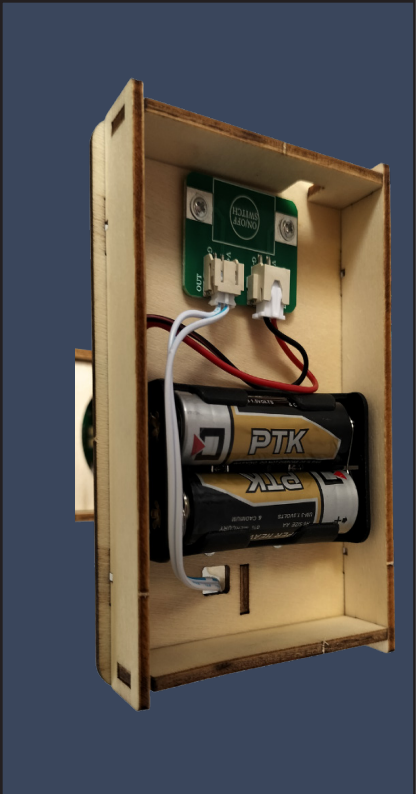
Install the battery box inside the lamp base using 4mm screws. Then, put the batteries into the battery box.

Step 7



Connect the 2.5cm terminal wire to the LED lamp module, then use 4mm screws to attach the LED module to board 7. Finally, pass the terminal wire through the holes on the lamp bracket and base.



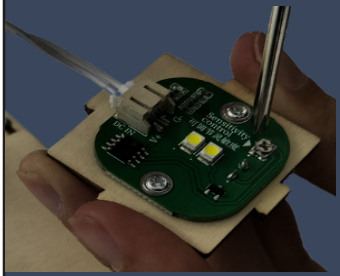


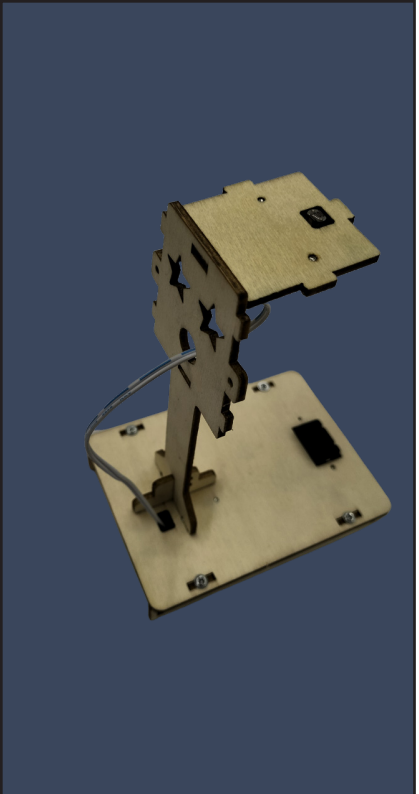
Step 8

Insert the other end of the terminal wire from the LED module into the 2.0 connector on the switchboard.

Step 9

Press the black button on board 4, turn on the power, and cover the photo resistor on board 7 with your hand. If the LED light turns on, you're good to go. If not, use a small screw-driver to adjust the LED to the right until it lights up.



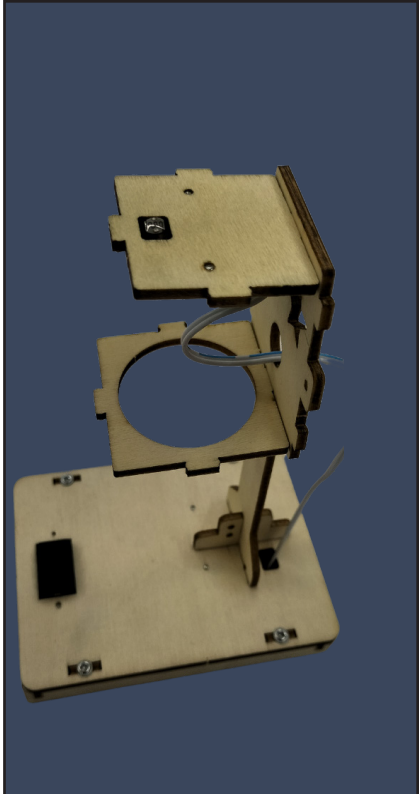


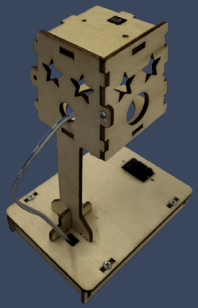
Step 10

Install board 7 on board 5, use cable ties to tidy up the wires, and trim off any extra ties.

Step 11

Add board 9 onto board 3.



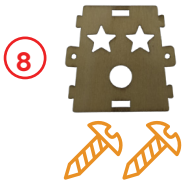


Step 10

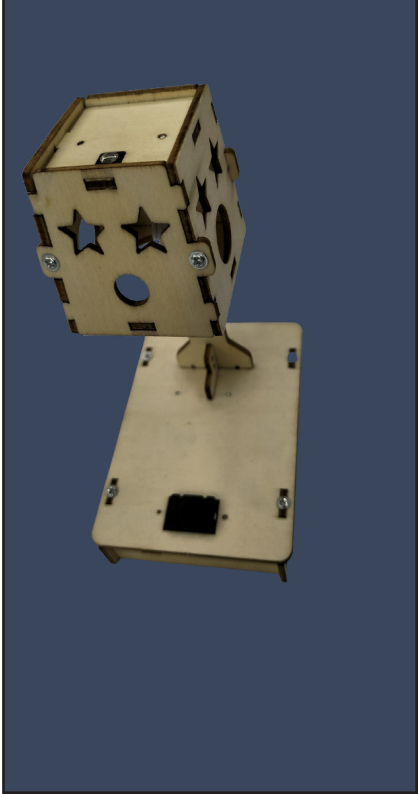
10

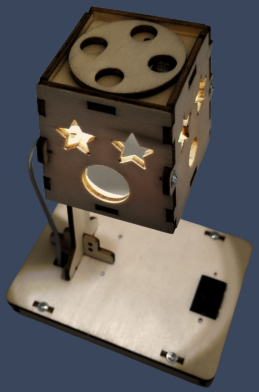
Install two number boards onto the return number board, and then use 4mm screws to secure them to the trumpet board.

Step 11



Attach Board 8 Use 4mm screws to attach board 8 to boards 7, 9, and 10.



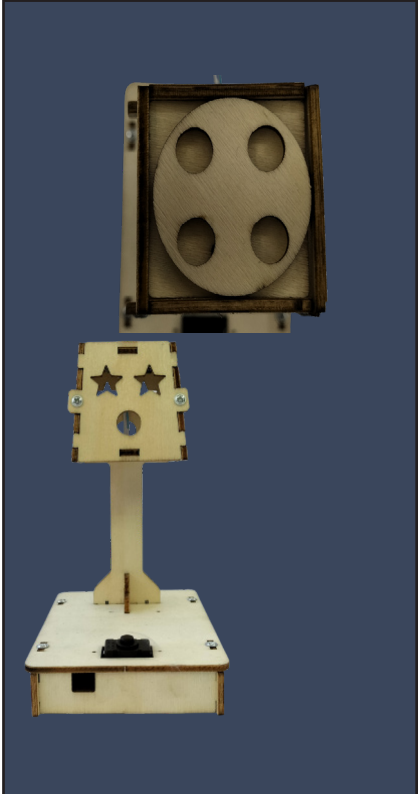


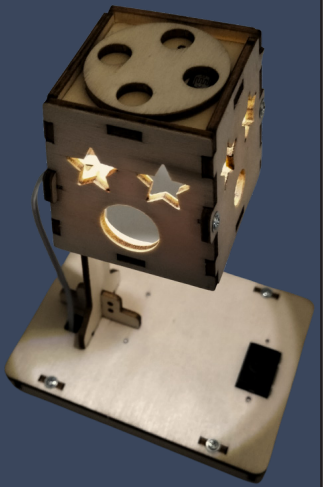
Step 10

Turn on the power switch and cover the resistor on board 7 with the H board. Watch as Luna's light automatically adjusts to the surrounding darkness.

Step 11

When you expose the resistor on board 3 to light, Luna will automatically turn off.





Step 11

You Did It! Congratulations! You've successfully created Luna, the magical lamp. Enjoy your creation!

Now you have
your very own intelligent light!

Congratulations, adventurer! There you go. Have fun with your Intelligent light, Luna! Let's watch me glow!

If Luna does not work:
•Check if the batteries are low on power, and if so, replace them with new ones.

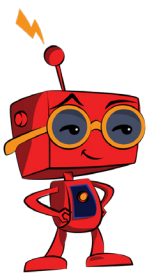
S Science

T Technology

E Engineering

A Arts

M Mathematics



STEAM kits - help kids learn many skills they'll need in a fun and practical way.

Here's how they help:

1. *Hands-On Learning:*
   Kids do experiments and projects, making learning fun.

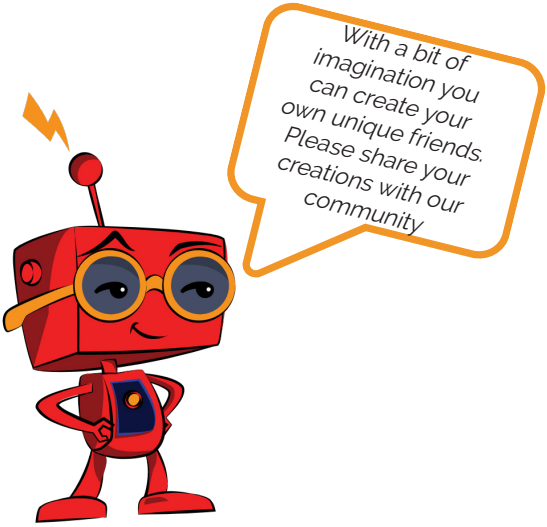
2. *Problem-solving:*
   They learn to solve problems by thinking and trying things out.

3. *Creative Thinking:*
   Arts and design are part of ***STEAM***, so kids get to be creative.

4. *Confidence:*
   Completing projects makes kids feel like they accomplished something

5. *Preparation:*
   STEAM skills are important for the future, so kids are ready for jobs.

Collect them all



Please ask your mom / dad / teacher or a grown up to help you to upload your creations to our community page on the website. We would love to see your creations and also share and inspire the little creator in you.

Moonbeam
Light lamp

Sparkles
Optic light