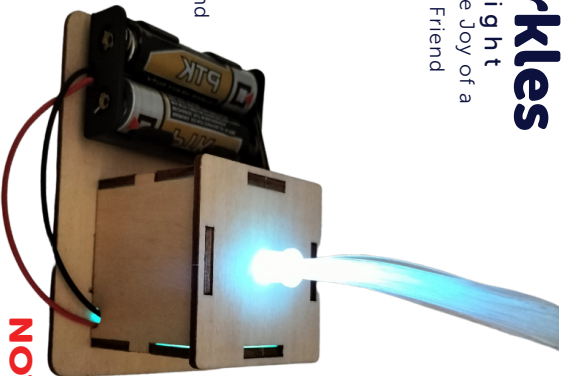


Sparkles

Optic light
Discover the Joy of a
mechanical Friend

Includes:
paint and
art stuff
to create
your own
unique friend



NOT
included

level



Sparkles

the Optic light



Hey there, little buddy!

I'm Sparkles, the
optic light

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



Hello, little explorer! I'm Sparkles, the DIY Color Fiber Optic Light. I'm here to guide you on an exciting journey of creativity and learning! We're going to have so much fun together! I'm not just any ordinary lamp. I'm a special one that you get to make yourself. You'll learn about science, math, physics, and even chemistry while creating me. Isn't that amazing?

We'll discover the fascinating world of light and how it travels through tiny fiber optic strands. We'll learn how colors mix and create beautiful patterns. You'll get to see how science and math come together to make something truly magical. But don't worry if it sounds a bit complicated, because I'll be here every step of the way to help you understand. We'll make sure everything is safe and easy for you to do. It's going to be a hands-on adventure filled with wonder and discovery.

So get ready, my dear friend, to embark on this colorful journey with Sparkles, your DIY Color Fiber Optic Light. Let's learn, create, and have an amazing time together!



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.

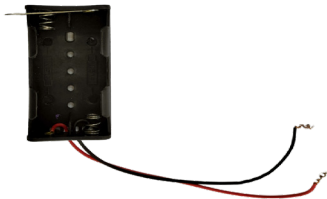
Let's see what we need and how to prepare:



Remember to get your 2 x AA batteries for Sparkles!



What is in the BOX





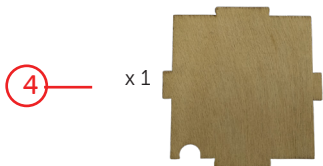
x 1 — ①



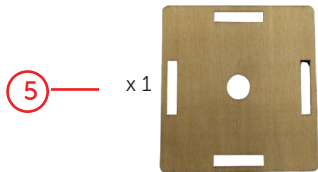
x 2 — ②



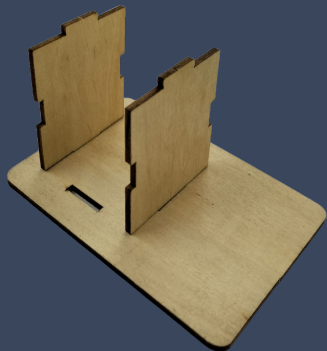
x 1 — ③



④ — x 1



⑤ — x 1



Step 1



①



②

Insert Boards number 2 into Board 1, paying attention to the position.

Step 2

③



Insert Board 3 as shown in the picture. You can tilt Board 2 slightly outward to make this easier.





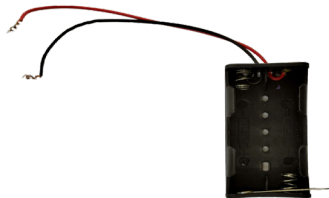
Step 3



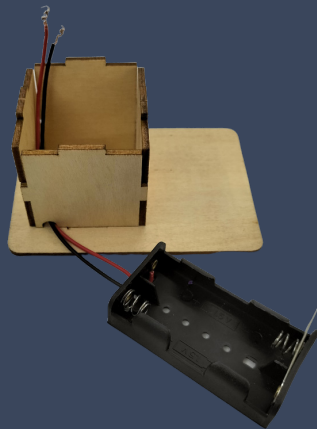
4

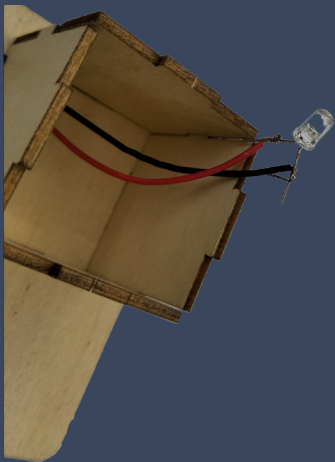
Insert Board 4 as shown in the picture.

Step 4



Thread the battery box wire through the hole in Board 4 and pull it out.





Step 5



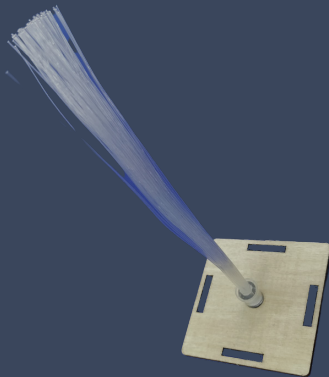
Wrap the red thread around the long legs of the LED, and the black thread around the short legs. Be careful not to mix them up!

Step 6

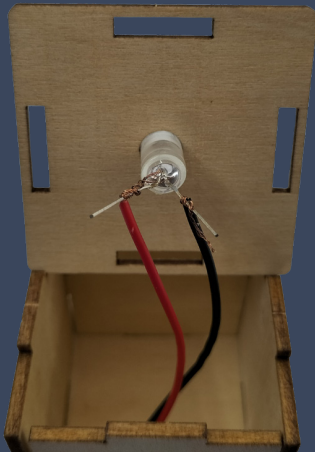
5



Insert the optical fiber bundle into the center hole of Board 5. It's a good idea to gently press the fiber bundle against the table to make it expand before inserting it.



Step 7



Put the LED into the fiber optic tube sleeve. Then, separate the LED parts (this prevents a short circuit).

Step 8

Install Board 5 by gently pressing it in hole by hole. Avoid using force. Take the battery and attach it with double-sided tape.

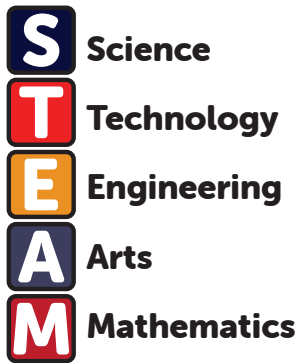
Now you can add the batteries and what the light



Now you have

your very own Optic light!

Congratulations, adventurer! There you go. Have fun with your Optic light, Sparkles! Let's watch me Glow different colours!



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.



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

Collect them all



With a bit of imagination you can create your own unique friends. Please share your creations with our community

Please ask you 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

Luna

intelligent light



