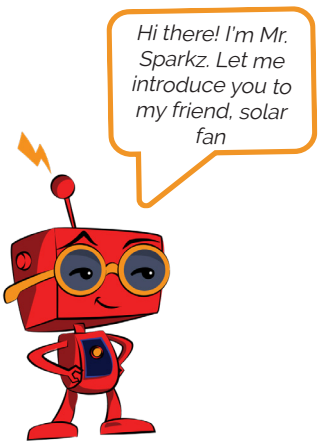
Hello Solar Fan

Discover the Joy of a
Mechanical Friend

level

Solar panel fan



Hey there, little buddy!

I'm a lively adventurer with bright red blades spinning playfully in the sun, eager to harness its energy. Standing tall, I'm a confident, nature-loving companion using sustainable power to keep things cool like a tiny eco-warrior!

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

How to prepare:

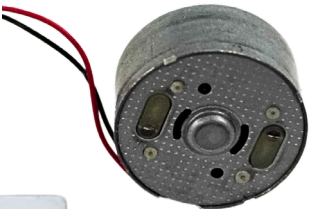
- Before you start, you need to find a safe and clean place to work.
- If you have any questions or need help, you can ask your parents, a grownup, or teacher and they will assist you.

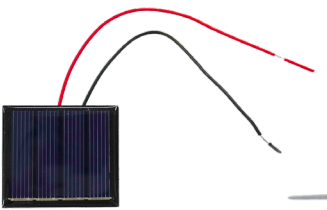
Some things to keep in mind:

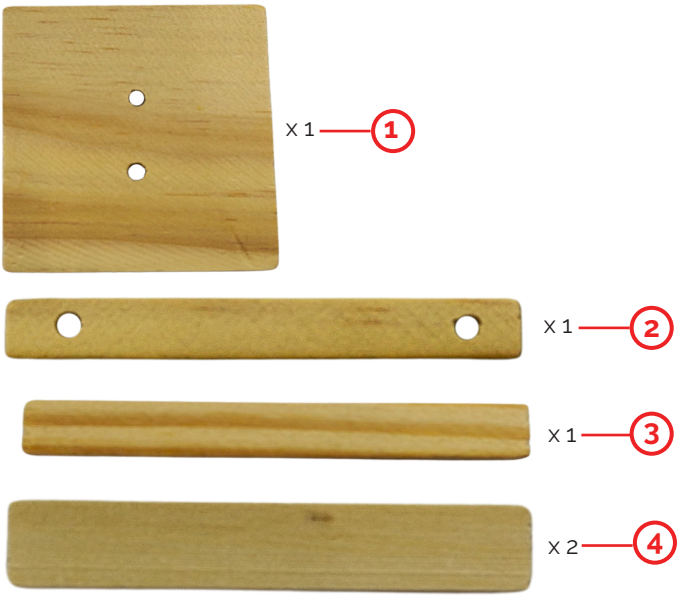
- *Be careful: When you open the package with the parts, do not drop or lose any small parts. They are very important for your model. If you lose a piece, your model might not work!*
- *Read and follow: If you want to make your model easily, you need to read the instructions well and follow the steps.*

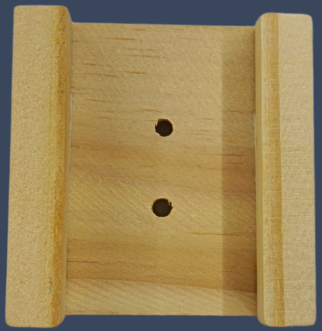
What is in the BOX

- 4 x Wooden parts
- 3 x Cable ties
- 1 x Fan
- 1 x Solar panel
- 1 x Double sided tape
- 1 x DC motor

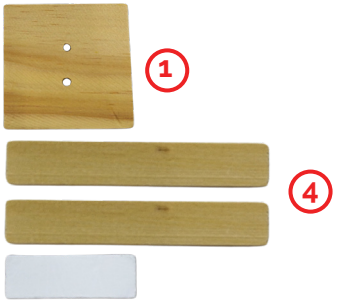





X 1
1
X 1
2
X 1
3
X 2
4



Step 1



Install both board 4s on board 1 using two pieces double-sided tape.

Step 2

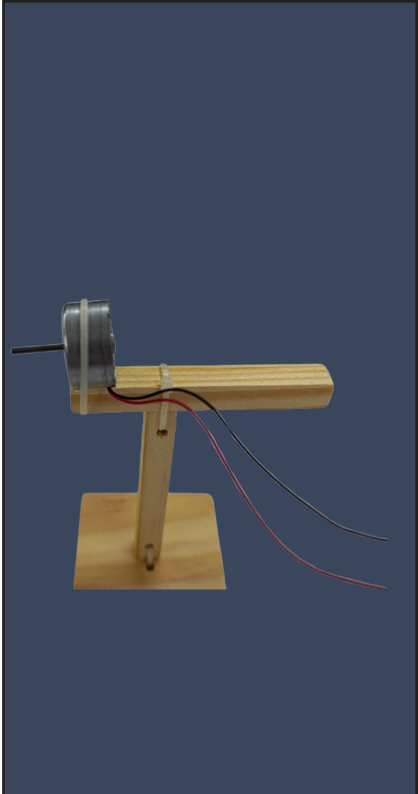
Secure board 2 to board 1 using a cable tie.

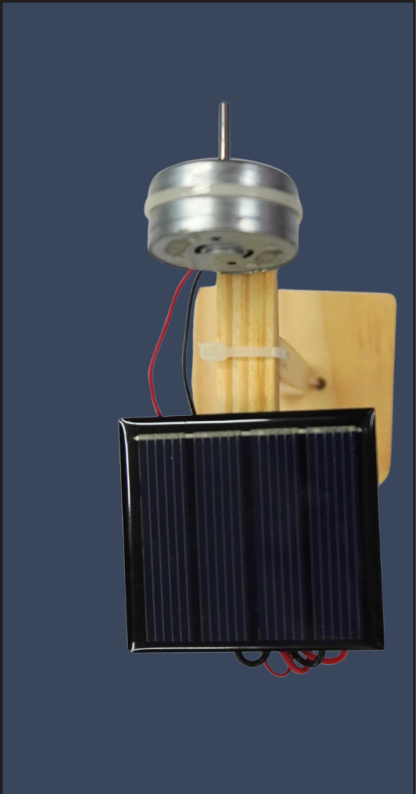
Step 3

Secure board 3 to board 2 using a cable tie.

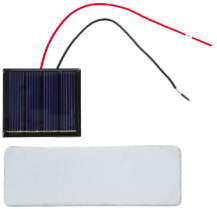
Step 4

Install the DC motor with a cable tie on the end of board 3.





Step 5



Install the solar panel on board 3 using double-sided tape.

Step 6

Connect the solar panel to the DC motor as shown in the picture. Reversing the color of the wire will result in the DC motor spinning in a reverse direction.

Now you have
your very own Solar fan!

Congratulations, adventurer, you have successfully completed your mechanical solar fan project! Place the solar panel fan under the sunlight to power up the fan.

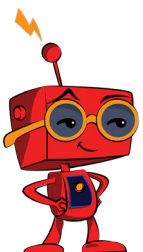
S Science

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.