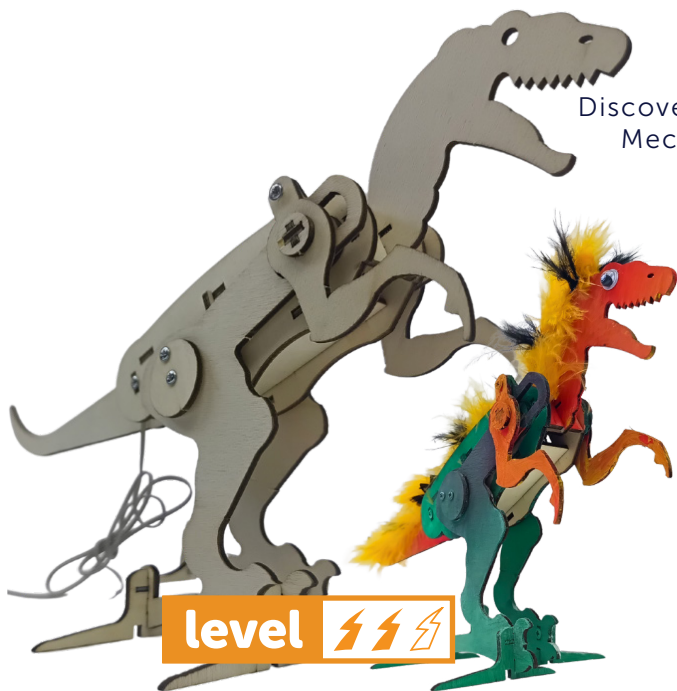


Hello Rexzilla

T-Rex

Discover the Joy of a
Mechanical Friend



level ⚡⚡⚡

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

Batteries
NOT
included



Rexzilla

the wooden mechanical walking

T-Rex



Hi there!
I'm Mr Sparkz!
Let me introduce
you to my Toothy
friend Rexzilla

Hey there, little buddy!

I'm Rexzilla, a super cool robot T-Rex. I'm based on a big dinosaur called Tyrannosaurus Rex!

Tyrannosaurus means Tyrant Lizard, which means I was know to be the king of the dinosaurs as I had no enemies.



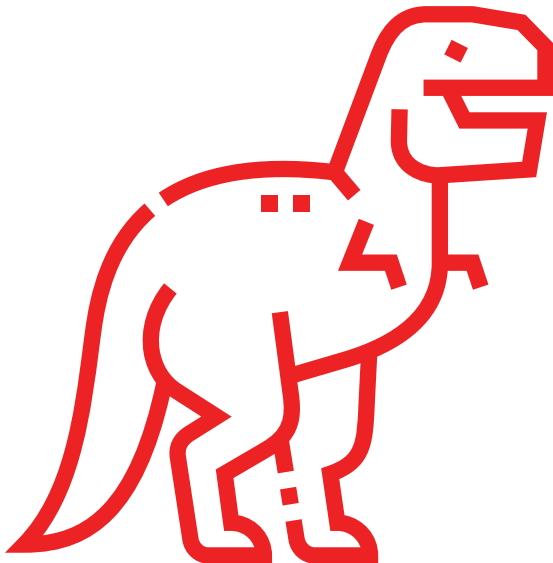
Now, listen up, I was a seriously big beast! Picture the size of a school bus, but as high as 4 to 5 story building when I stood up straight. Yep, that's how huge I was! I weighed as much as 2 elephants! Can you believe it?

I lived a looong time ago, about 83 - 66 million years ago. That's even older than your great-great-great-great granny! Back then, the places I roamed were North Africa, you know when the world was still one big continent.

Oh boy, let me tell you about my strong bite! I would catch my pray with my big mount, I guess I had to because I had very tiny arms.

I was like the lion today, I was the king of the jungle as I had no emeries. I could do what I wanted, I guess it was a bit lonely as I wanted to eat anyone that came close to me. I think that is why they called me a Tyrant!

But no worries my little buddy, I will behave and not eat my friends, I don't want to be alone anymore.



Now, it's been Dino-fun sharing my story with you. But enough talk, let's get building! I can't wait to be your friend and hear all about you! Together, we'll discover so many amazing things!

Are you ready to bring me to life?

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.

Have fun!



Some things to keep in mind:

- *Be careful:* When you open the package with the materials not to drop or lose any small parts. They are very important for your model. If you lose them, 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.



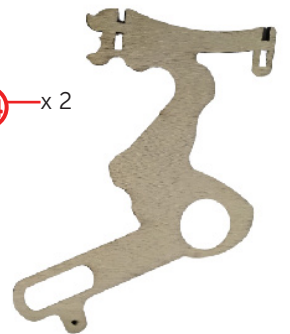
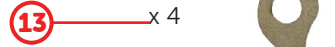
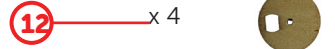
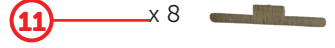
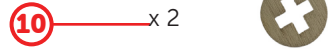
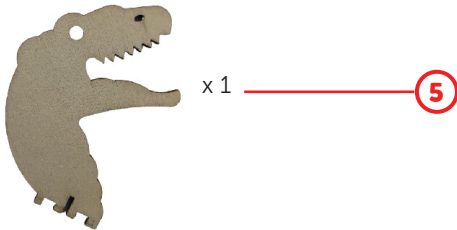
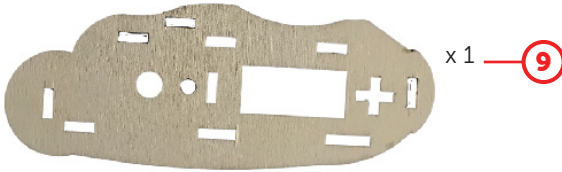
Remember to get 2 x AA batteries for REXZILLA!



What is in the BOX

- 17 x wooden parts
- 1 x remote control
- 1 x yellow motor
- regular 7mm screws
- 1 x screwdriver





Step 1

①

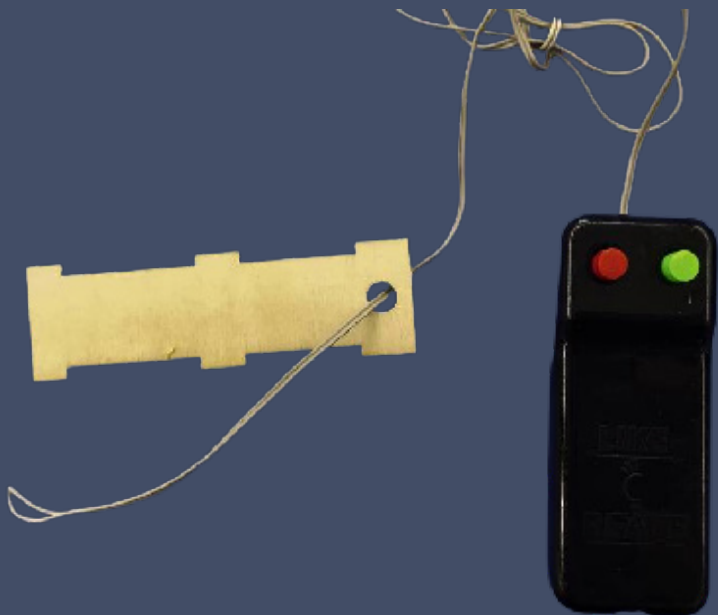


You will need to strip the wire on the remote so about 1cm of wire is exposed.



If you don't know how to do this, ask a grown-up for help.

Refer to the picture below, put the controller wire through the wire hole of board 1.

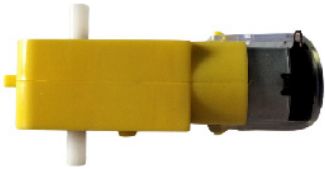


Step 2

3



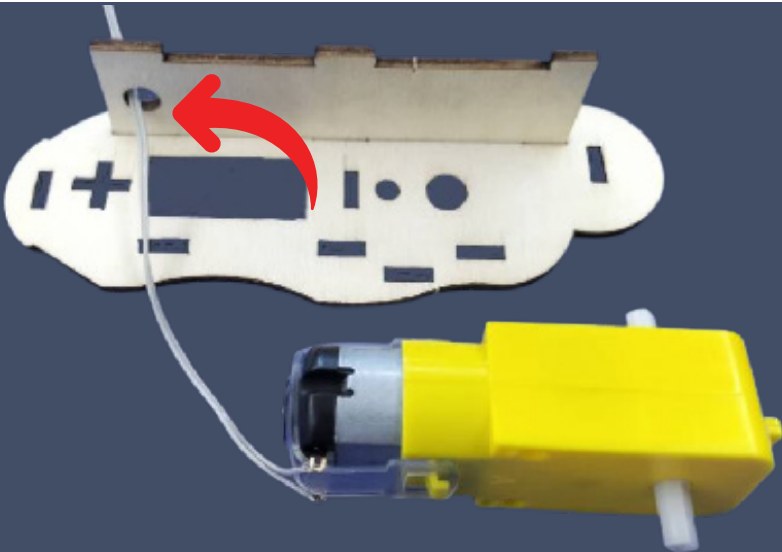
Use 2 x 7mm screws to attach board 1 to board 3



Connect the wire of the remote to the copper tags on the yellow motor.



Make sure the boards are facing the right way as shown in the image below.

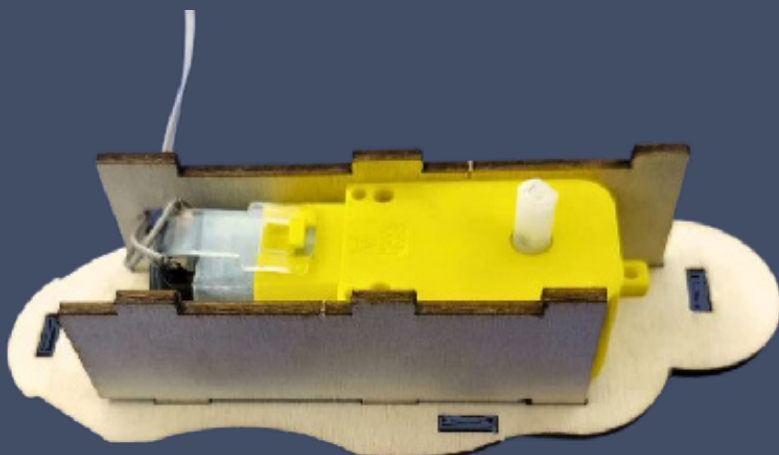


Step 3

②



Use 1 x 7mm screw to attach board 2 to board 3



Step 4

4



5



6



7



Refer to the picture below.

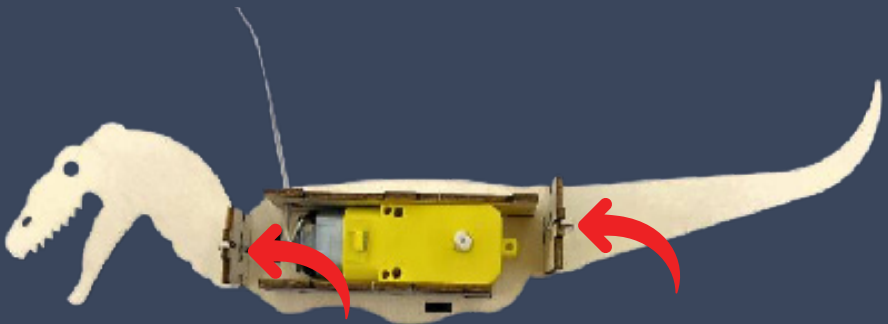
Use the 7mm screws to attach board 4 to board 5, and then attach board 6 to board 7.



Step 5



Look at the picture below and use the 7mm screws to put boards 4 and 6 onto board 3.



Step 6

8

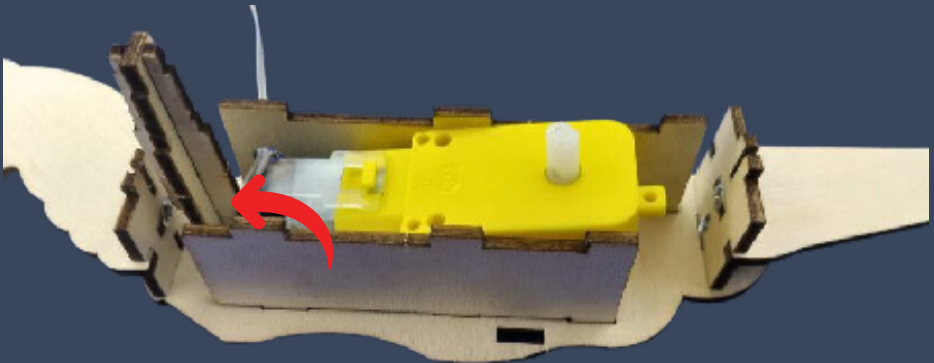


Make one clamping posts from the two no 8 boards.



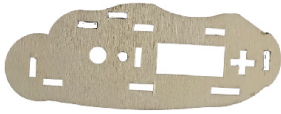
Step 7

Attach the clamping posts to board 3.



Step 8

9



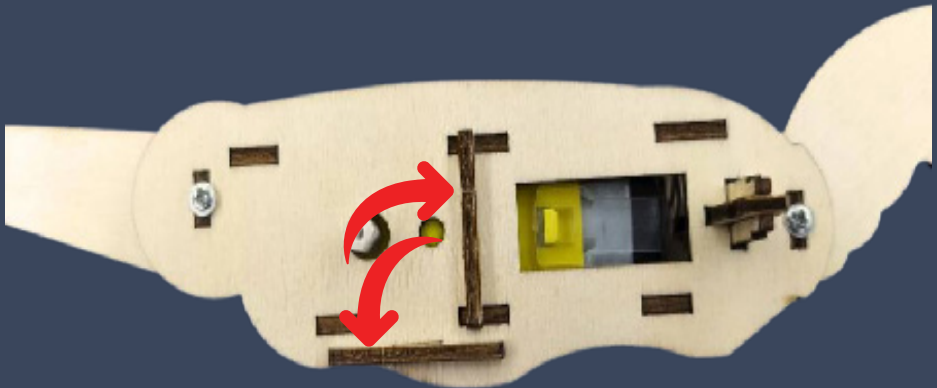
First, attach the no 9 board with 7mm screws.

Also, add two no 11 pads.

11



Do the same for the opposite side.



Step 9

12

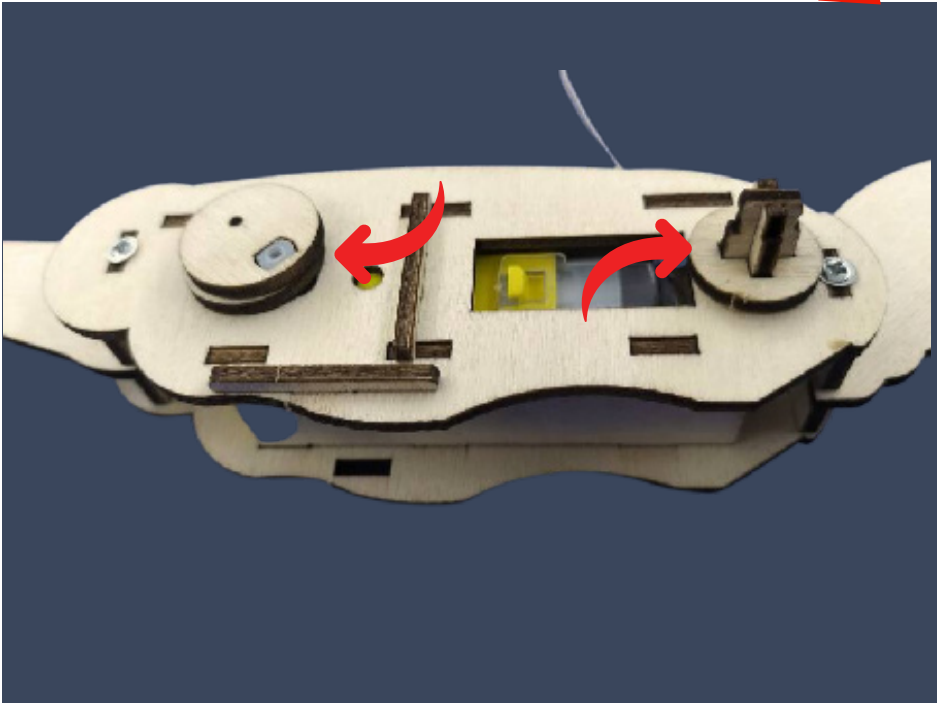


10



Now, put two no 12 round boards on the motor's shaft. Attach the no 10 board to the clamping post.

WOW,
Rexzilla has a body!
Good Job,
we are
almost there!



Step 10

12

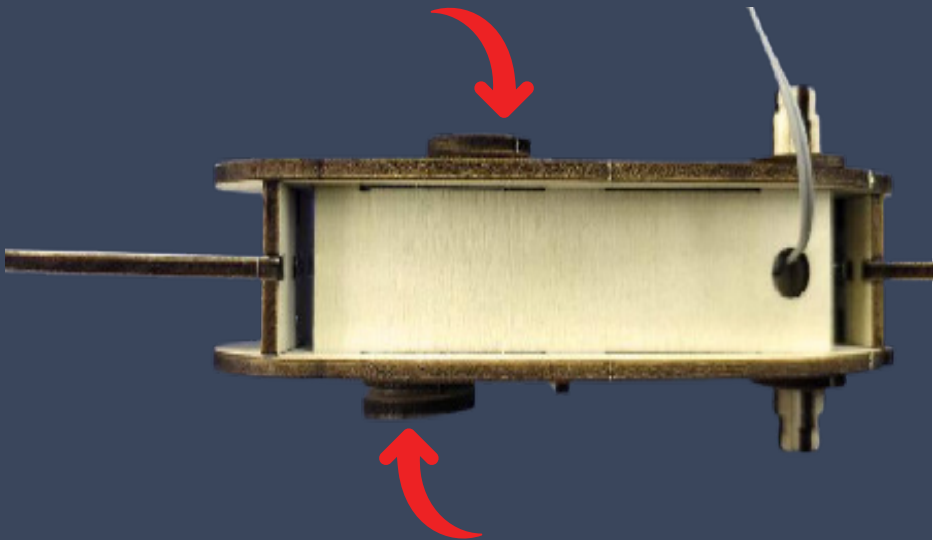


10



Follow the same steps as in step 9 for the opposite side.

Make sure that the no 12 boards are in opposite directions. If they are not your Rexzilla will not be able to move forward or backward



Step 11

13



14



13



14



Use the 7mm screws to connect board 13 and 14 together.

Do the same for the opposite leg and remember to make it a mirror image of the first leg



But don't tighten them too much; leave a tiny 1mm space between board 13 and 14.



This space is important for Rexzilla to move.



Step 12

15



Put board 15 onto board 14 using 7mm screws. Attach the side legs the same way.

Make sure the long end faces board 13.

Do the same for the other leg.

When you make the legs, make sure they are a mirror image of each other. Just like your feet, one is left and one is right. Your Dino doesn't want to left feet.



Step 13

16



First, attach the legs, then use the no 16 board to hold board 3, and finally, use 7mm screws to attach board 3 to the rotating shaft of the yellow motor.

17



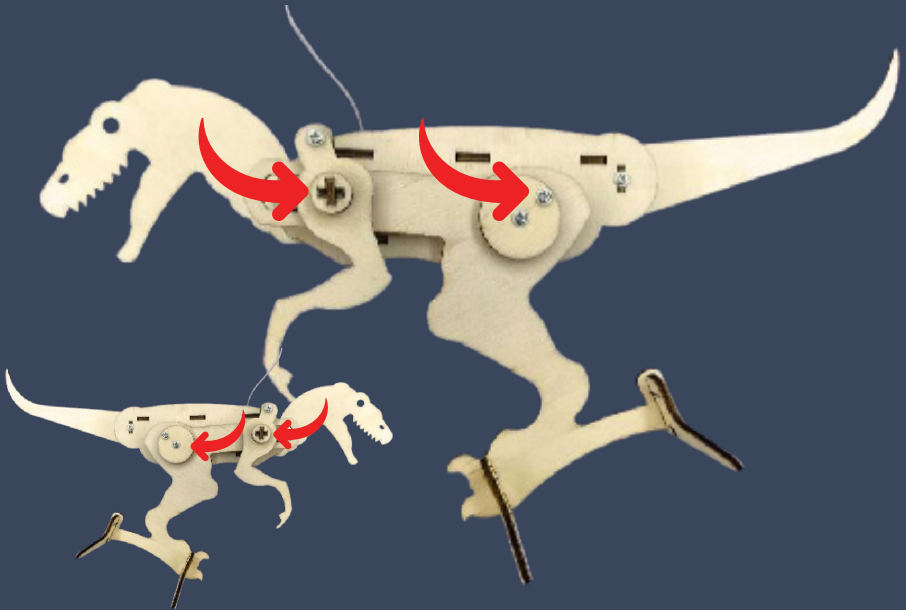
Do the same for the other leg on board 9.



Make sure it is a mirror image of the previous leg.

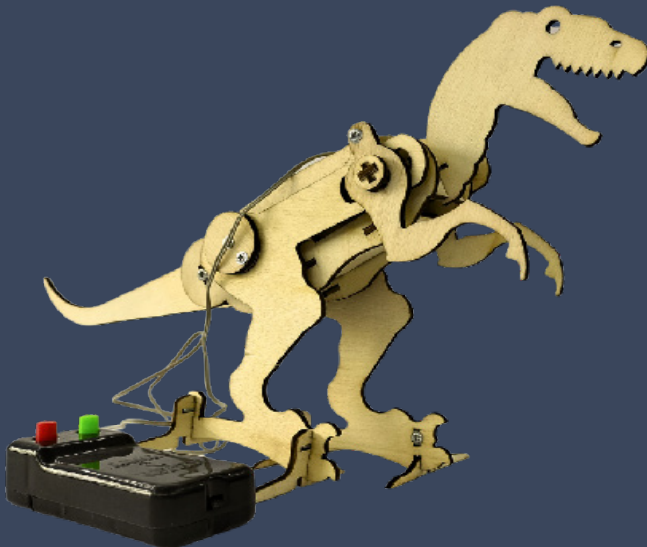


If there is no gap between the boards, your dinosaur model will not be able to move.



Step 14

Now that your mechanical T-Rex, Rexzilla, is ready, open the battery cover on the control, put in the batteries, close the cover, press the red or green button, and watch Rexzilla start moving back and forth!



Now you have your very own T-Rex!

It's time to take Rexzilla for a walk.

Now you're ready to have loads of fun with your very own mechanical dinosaur friend, Rexzella!



If Rexzilla doesn't want to move!?

- Check if the wires are connected properly. You can fix them if they're not.
- Try using new batteries; the old ones might be tired.
- Make sure the no 12 axis card in step 10 is facing the opposite way.
- Check if there's a tiny 1mm space between boards 13 and 14 in step 11. Rexzilla needs that space to move!





Science



Technology



Engineering



Arts



Mathematics

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 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.



Trike
Triceratops





Firecracker
Pterosaur



Brian
Brachiosaurus



