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MINGDE RD., PUYAN, BINJIANG, HANGZHOU, CHINA.

PLAY • READ • INSPIRE



# THE LEARNING BOOKLET

— FOR THE SOCCER SNAKE —

*Read to be inspired!*

*Easy to assemble.  
Hours of fun.*



**WARNING:**  
**CHOKING HAZARD** - Small parts,  
Not for children under 3 years.

AGES **8+**



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# WARNING MESSAGE

## GENERAL WARNING

*Before you begin, please read through the instructions together with your children. Make sure you understand the safety messages. Please keep the packaging and instructions, as they contain important information.*

*This kit is designed for children over 8 years of age.*

*CHOKING HAZARD - Small parts, not for children under 3 years.*

*Children should have parental supervision when assembling the product.*

*Water and rain will damage the electronic components.*

*Please clean the product with a clean cloth when necessary.*

*Make sure to remove the batteries from the battery compartment before cleaning.*

## OTHER WARNINGS

### **Using a screwdriver**

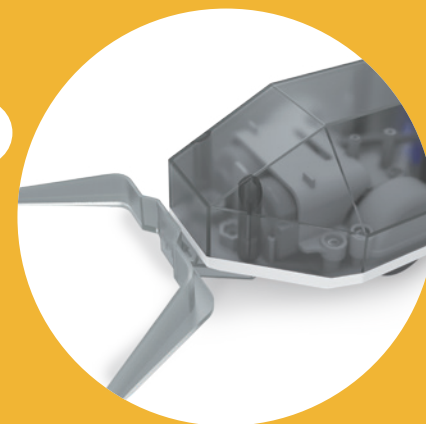
*You must always be supervised by an adult when using a screwdriver.  
The metal may have sharp edges that can cause injury.*

### **Using batteries**

- Do not charge non-rechargeable batteries;
- Do not mix different types of batteries or new and used batteries;
- Insert batteries with correct polarities;
- Remove exhausted batteries from the toy;
- Do not short-circuit supply terminals;
- Remove rechargeable batteries from the toy before charging;
- Charge rechargeable batteries under adult supervision only.
- Do not use rechargeable batteries.

 Cement floors may wear out the wheels quickly.

# 1 | WARNING MESSAGE



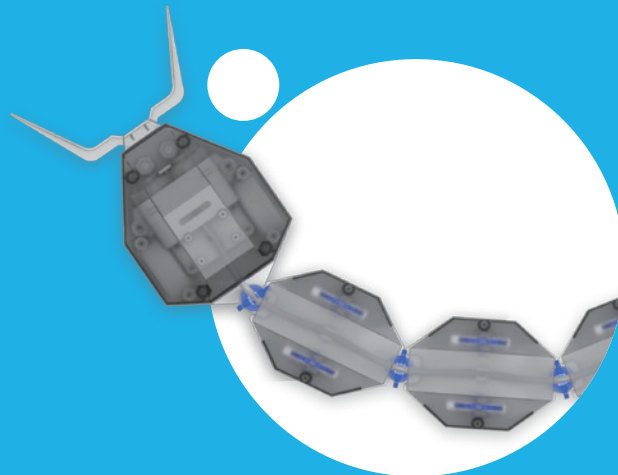


*Read to be inspired!*

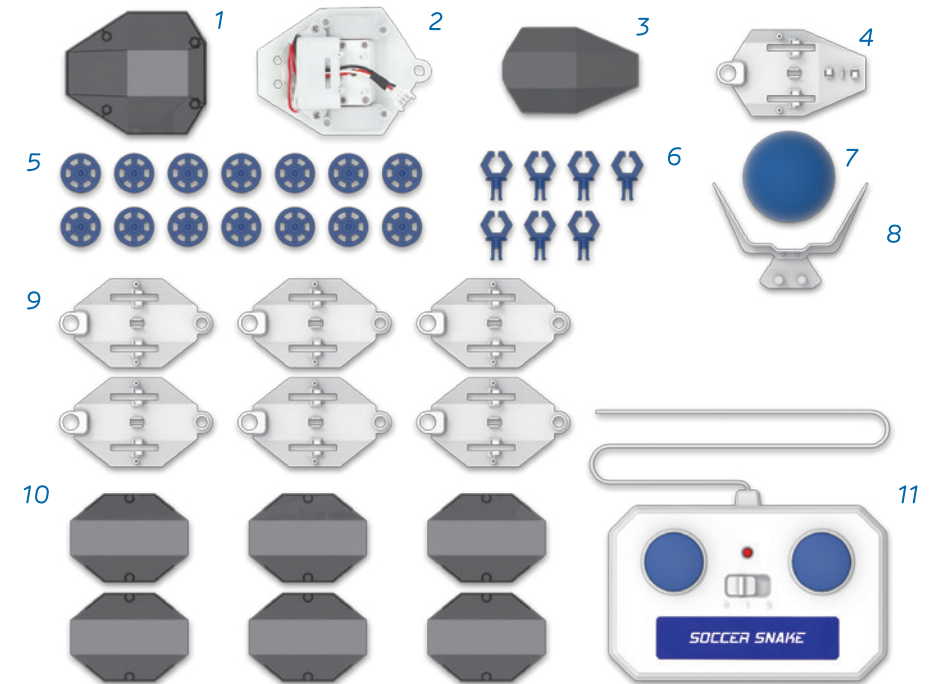




# 2 | PACKAGE CONTENTS

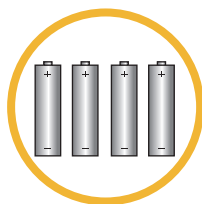


## Package Contents

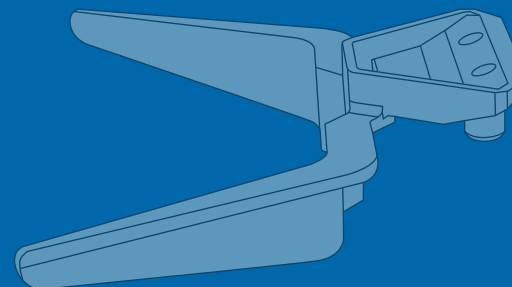


Serial	Name	Quantity	Serial	Name	Quantity
1	Snake Head Cover	1	7	Ball	1
2	Snake Head Base	1	8	Ball Pusher	1
3	Snake Tail Cover	1	9	Snake Body Base	6
4	Snake Tail Base	1	10	Snake Body Cover	6
5	Pulley	14	11	Remote Control	1
6	Latches	7			

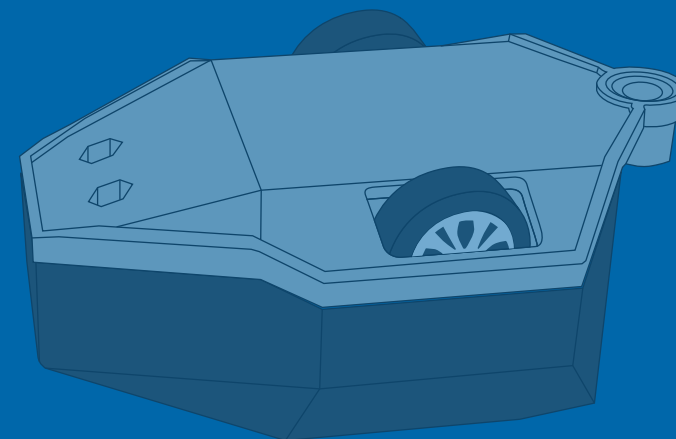
Necessary but not included



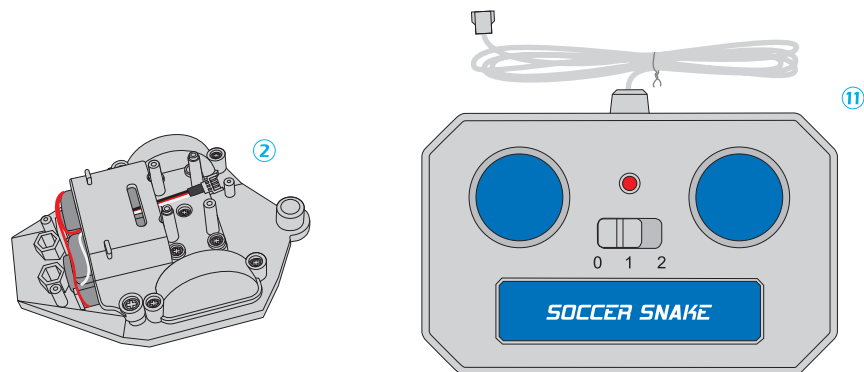
Batteries  
4 x AA (1.5v)



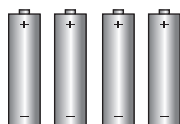
## 3 | INSTALLATION



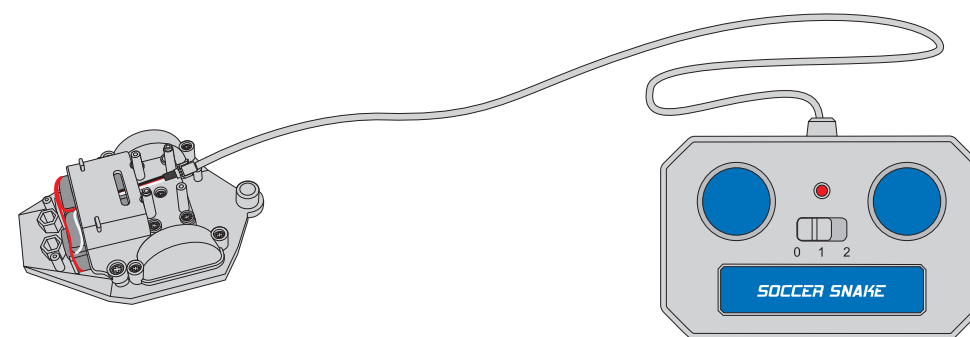
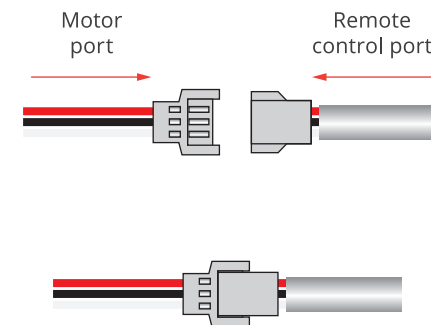
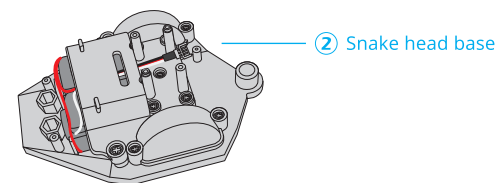
## Assembly Steps



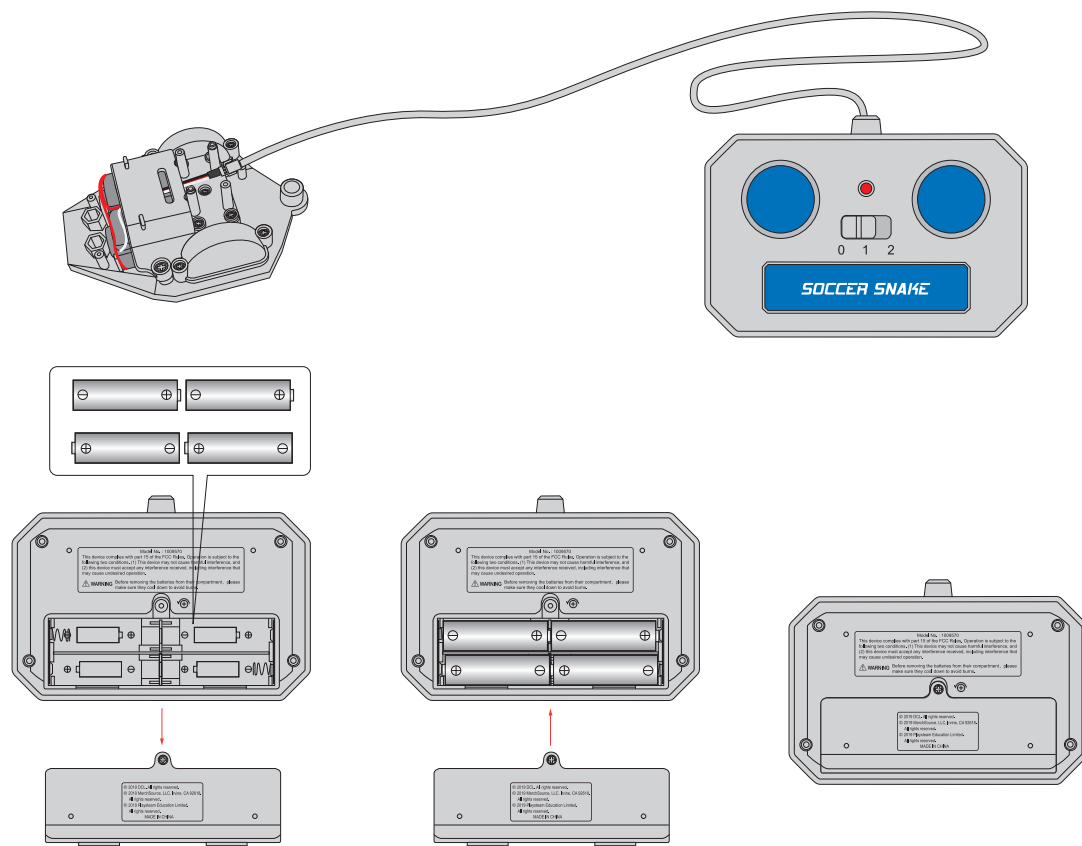
Prepared Materials



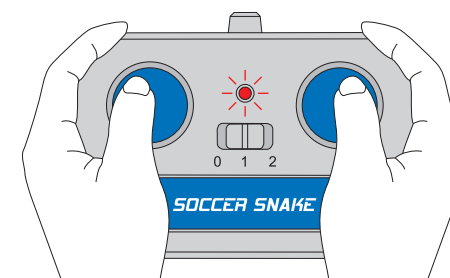
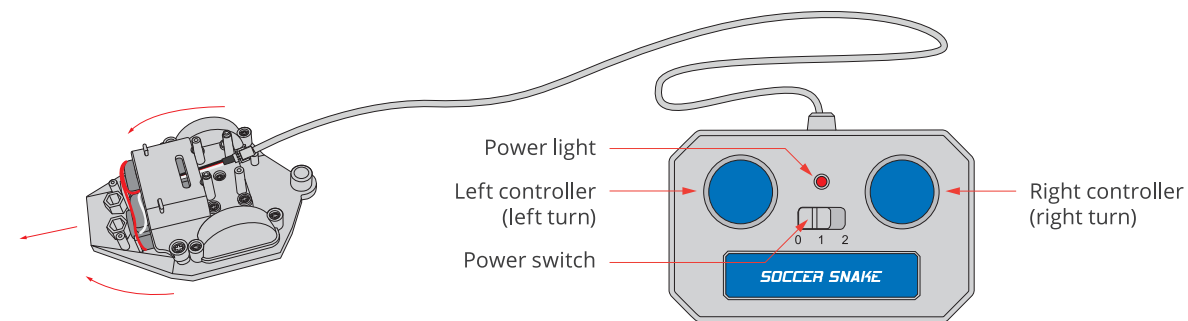
1 Plug the motor port and the remote control port together.



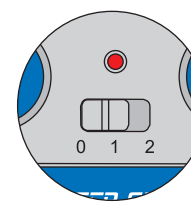
- 2 Open the battery compartment on the back of the remote control and install batteries according to their correct polarity, then close the compartment.



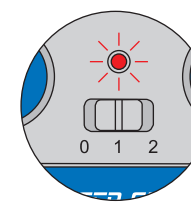
- 3 Turn the remote control to Level 1 or 2 (the power light will turn on). Press the right and left controllers. The snake head will start to glide around.



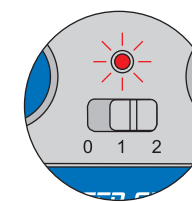
When holding down both the left and right controllers, the snake head glides forward.



Level 0 (Off)



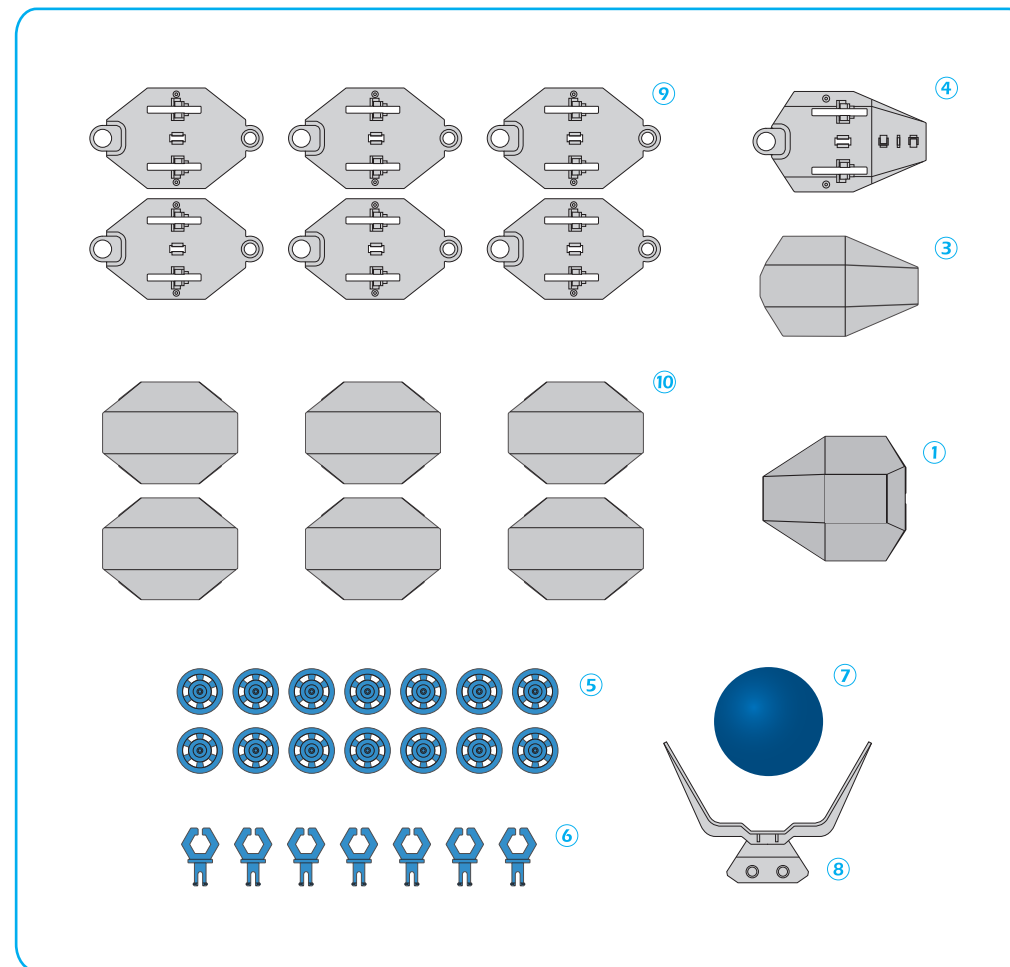
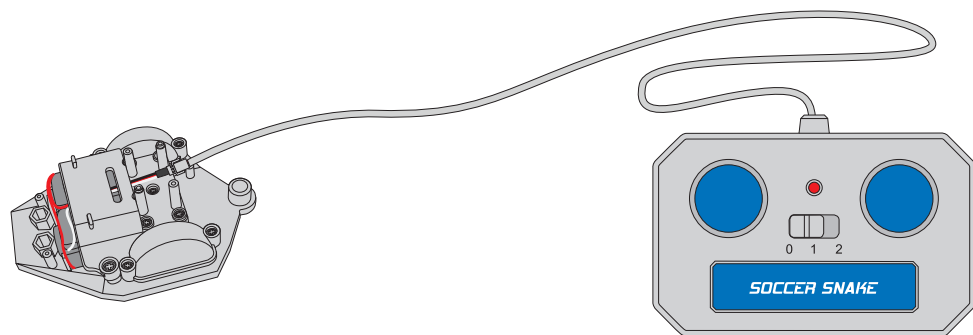
Level 1 (Normal)



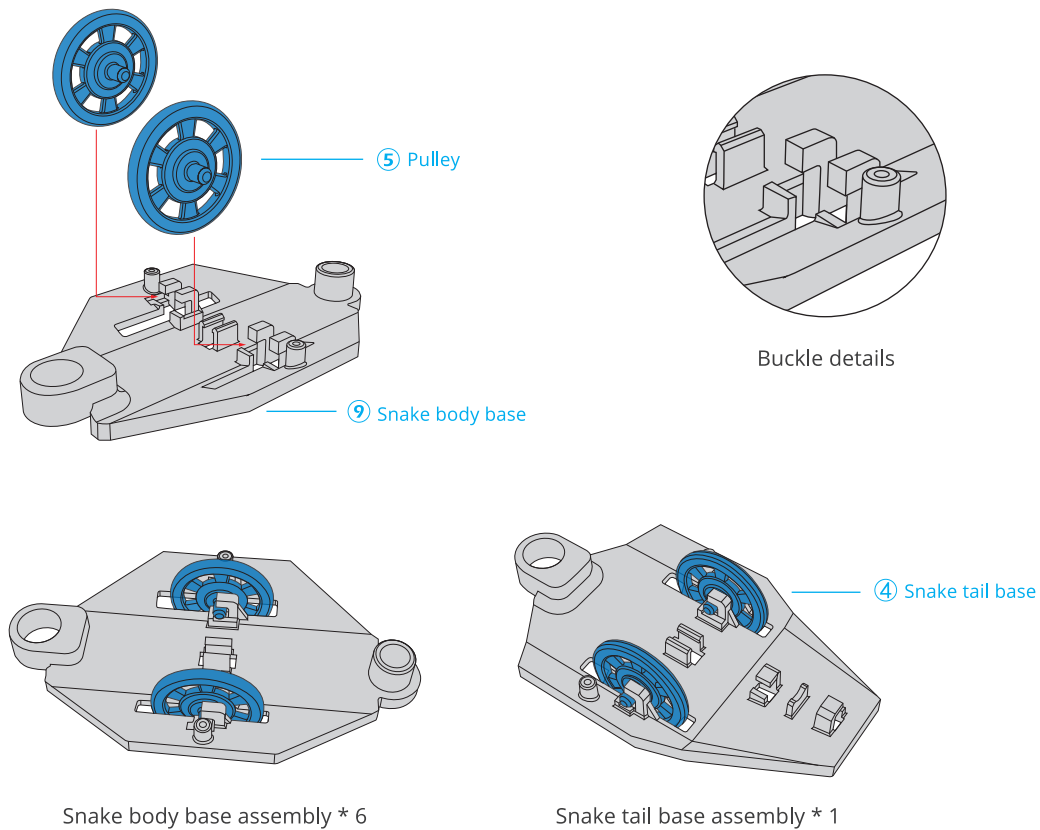
Level 2 (Fast)



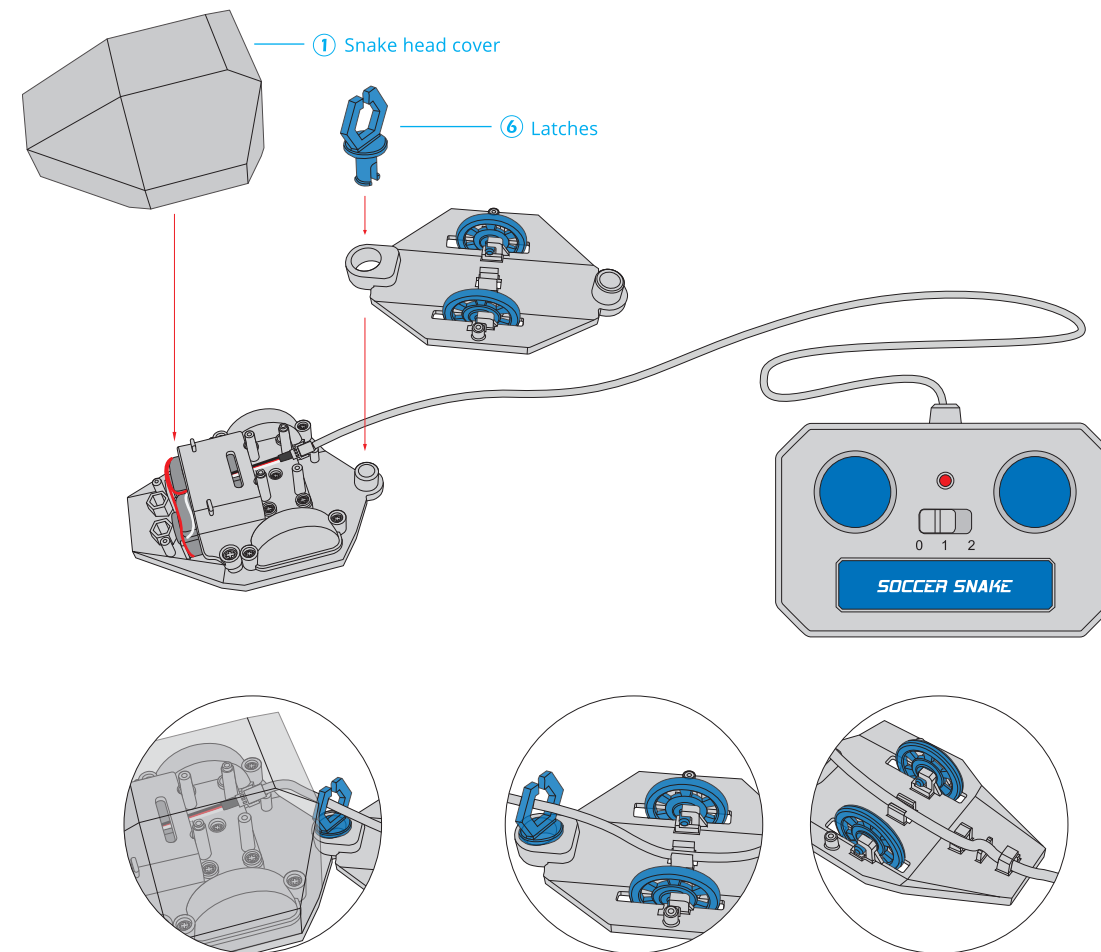
- 4 After confirming correct battery installation and controller function, turn off the power, cover the battery case and fasten it tightly with screws.



- 5 Push each pulley into the pulley shaft buckles on the snake body base and the snake tail base.

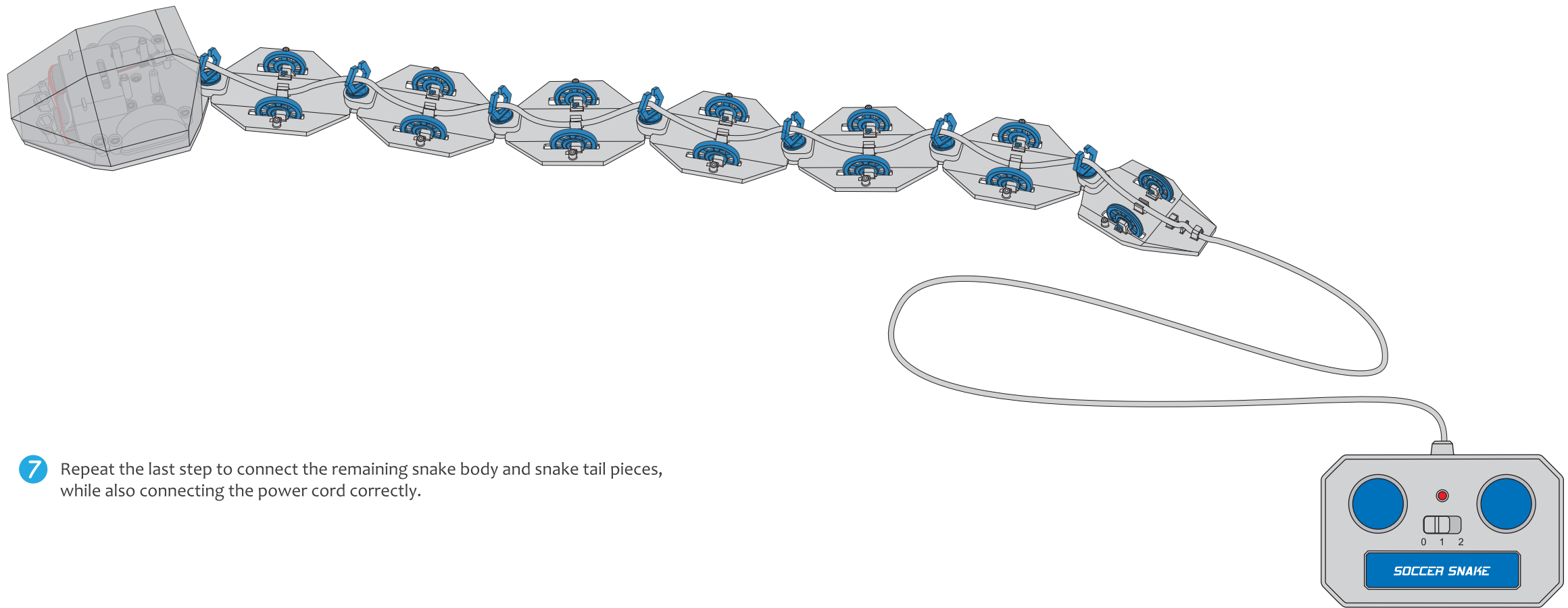


- 6 Connect the snake body and the snake head by sliding a latch into the latch hole, then put on the snake head cover. Next, snap the power cord into the latch handle and the slot on the snake body base.

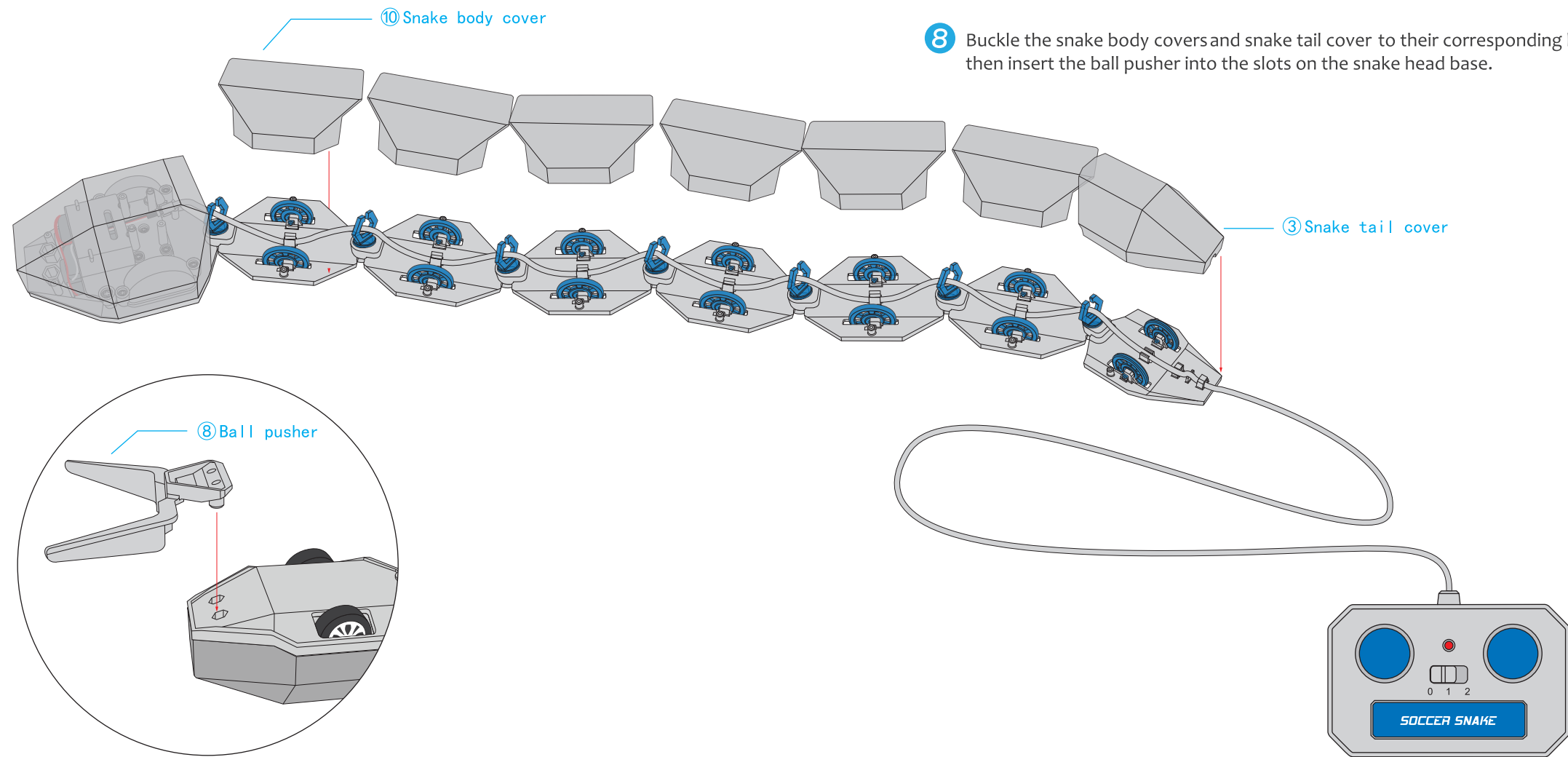


To protect the plug, keep it in the snake head cover.

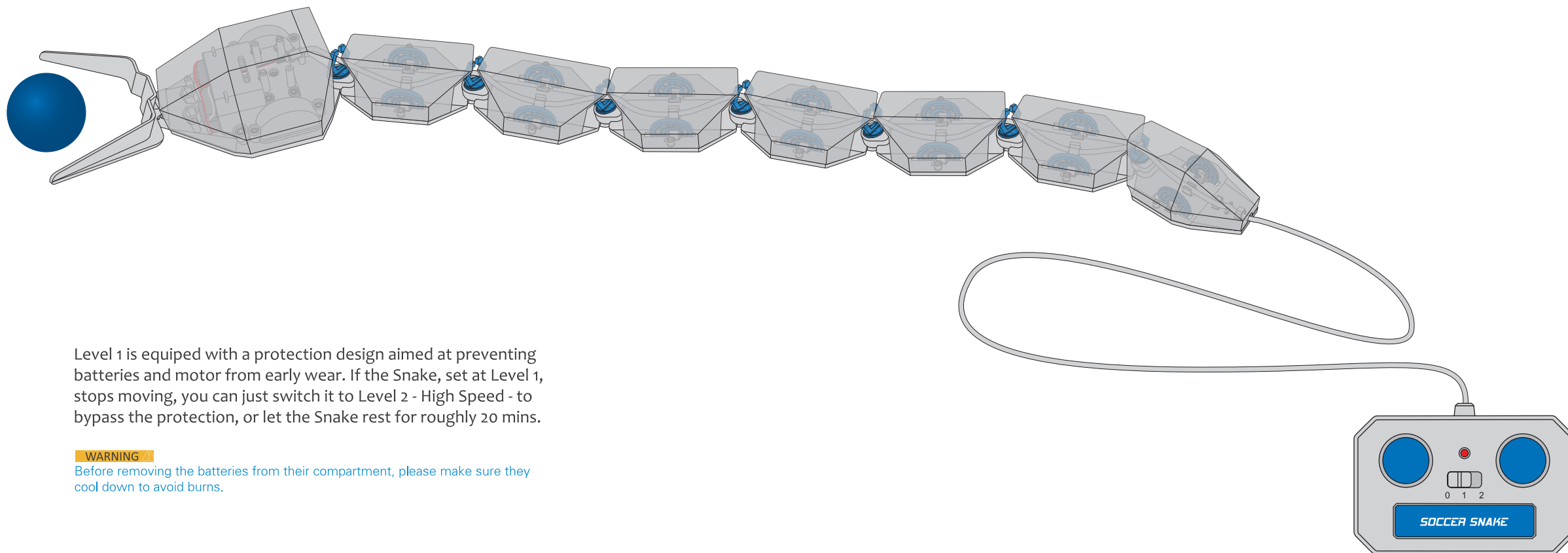
Attached power cord details



- 7 Repeat the last step to connect the remaining snake body and snake tail pieces, while also connecting the power cord correctly.



9 Assembly is complete.



Level 1 is equipped with a protection design aimed at preventing batteries and motor from early wear. If the Snake, set at Level 1, stops moving, you can just switch it to Level 2 - High Speed - to bypass the protection, or let the Snake rest for roughly 20 mins.

**WARNING**

Before removing the batteries from their compartment, please make sure they cool down to avoid burns.

# 4 | *ACTIVITIES*





## ***Do you know what BIONIC means?***

Bionics or “biologically inspired engineering” is the science of creating engineering systems inspired by nature.

The robot you have in your hands has a body inspired by snakes. As you may know, snakes, like many other aquatic and semi-aquatic animals, slither.

They have a flexible body that allows them to slither very fast. To be as agile as a snake, your snake robot has a body composed of several parts assembled together, giving an impression of flexibility.





## ***Train your Snake on free-kicks***

You can train your snake to take free-kicks.

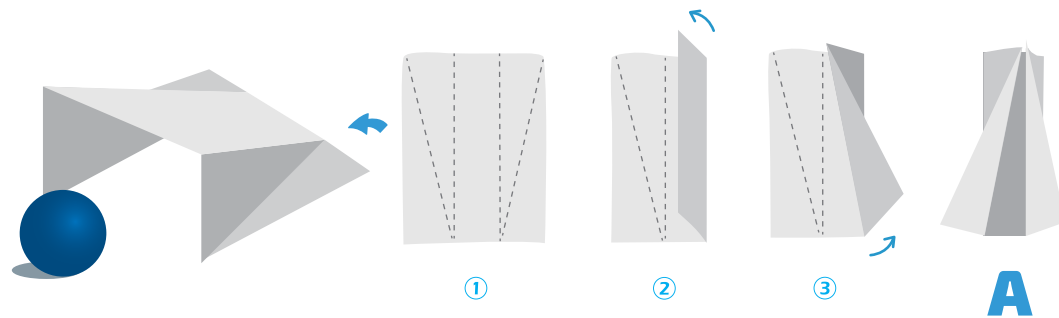
You first need goals. You can follow the steps on the next page to make your own goal frame with a simple sheet of paper. Place the ball at a certain distance from the snake, with the snake facing it.

Then, imagining the whistle signal, press the remote controllers to make your snake move forward and hit the ball.

## ① Shape your goal frame

Take a sheet of paper. Follow the three simple steps on the figure, folding along the dotted line (you can draw these lines on your paper to be more precise).

Then unfold the paper and repeat the same steps on the other half of the sheet. Your sheet of paper should look like figure A. Fold the paper to shape your goal frame.

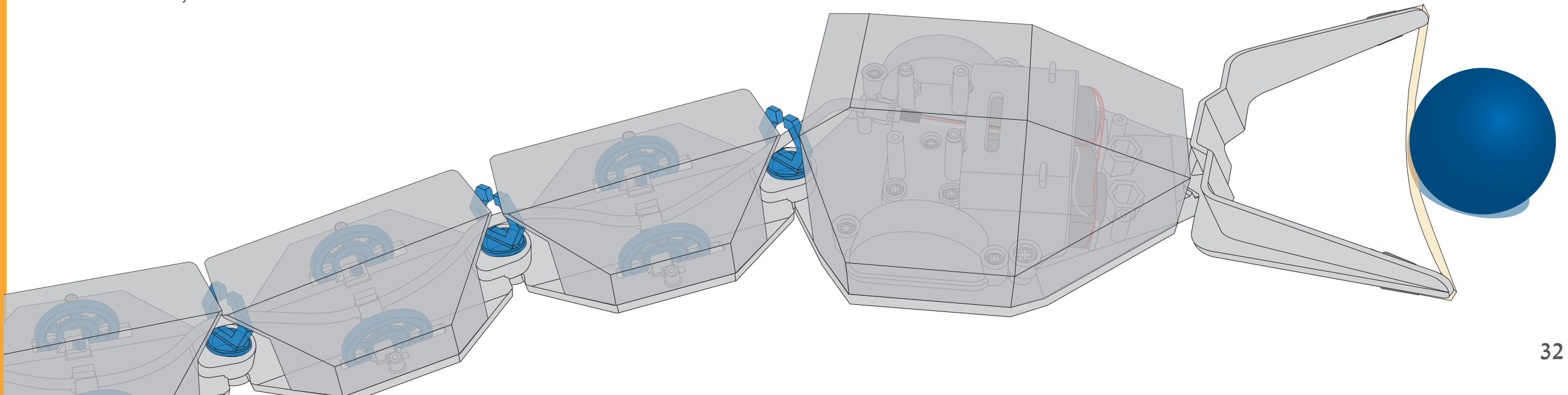
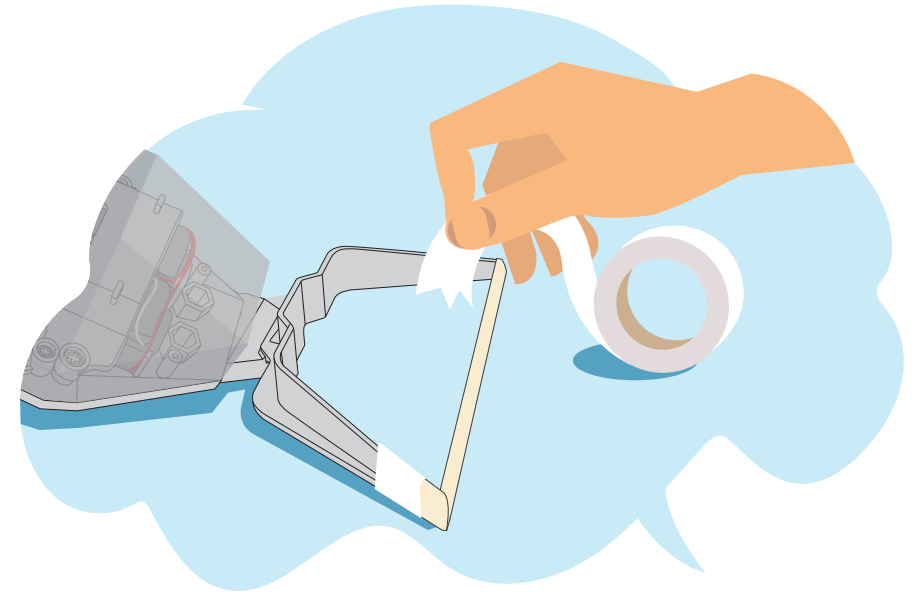


## ② Find your best option

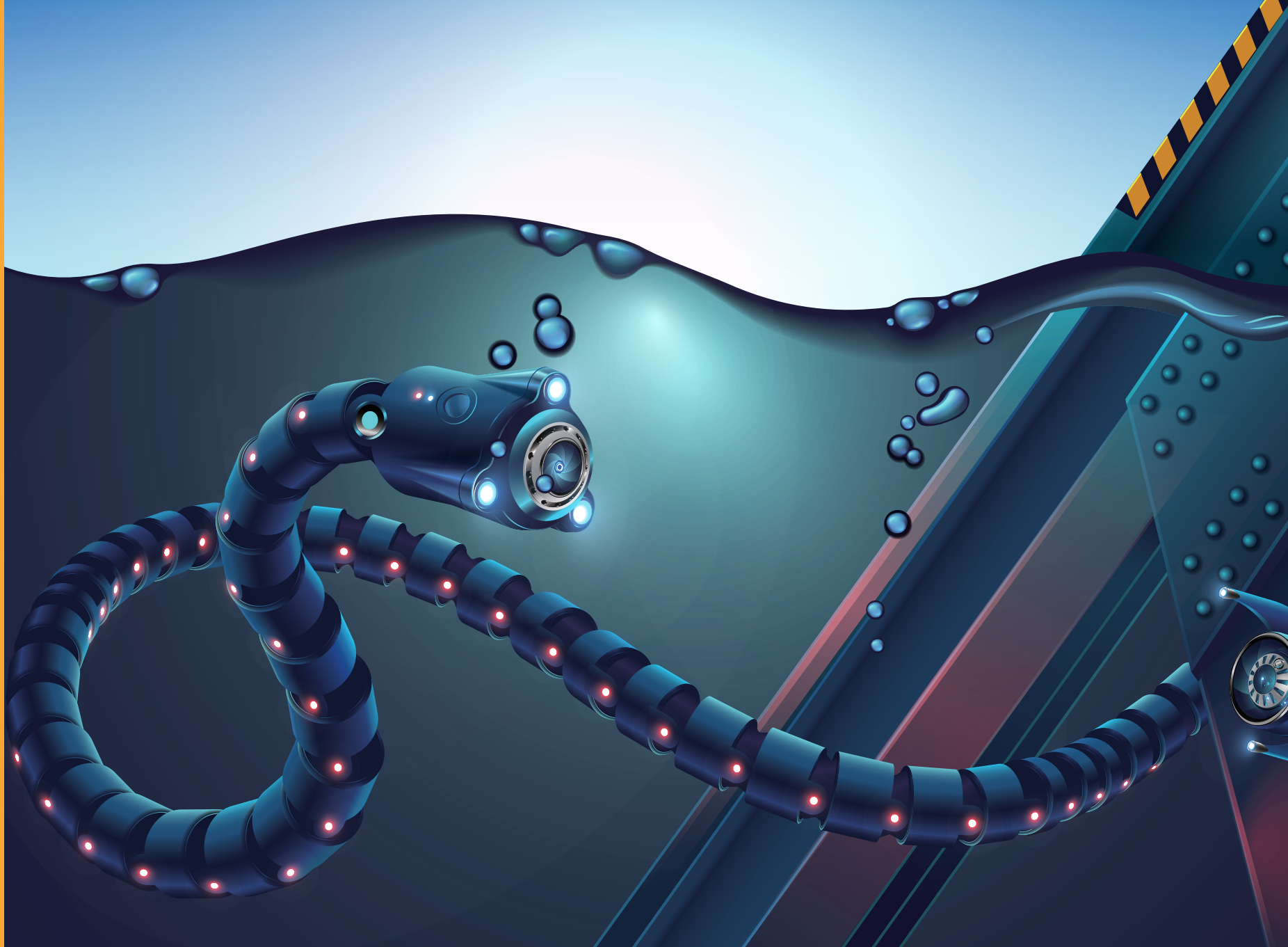
You will notice that depending on where you hit the ball, the trajectory will not be same.

The pusher on the snake is designed to ease the control of the ball. In order to make the free-kicks easier you can apply a strip of paper as illustrated. Try with and without the strip of paper and choose the best option for you.

In any case, to be able to take very good free kicks you will have to train your snake for a little while.







*Read to be inspired!*

What else can the bionic snake do?

There is a kind of robotic snake that can work underwater for construction and investigation tasks.





*Read to be inspired!*



What else can the bionic snake do?  
There is a kind of robotic snake  
used for rescuing because of its  
flexible and durable body.







*Read to be inspired!*

**Fun Fact!**

There is a soccer skill called SNAKE, also known as Flip Flap. It is a dribbling skill used for fooling defensive players. Players move the ball in a direction they do not want to go.



