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



PLAY • READ • INSPIRE

THE LEARNING BOOKLET

—CLIMBING CAT & HOPPING MOUSE—



Transform into a
hopping mouse




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. This product contains small parts which may pose a choking hazard. It is not suitable for children under 3 years old. Please keep individual parts and the fully-assembled product away from children under 3 years of age.

Screws and other metal parts may have sharp edges. Children should have adult supervision when assembling the product.

This kit is intended for indoor use. Water and rain will damage the electronic components. Last but not least, please clean the parts and finished product with a damp cloth. Make sure to remove the batteries from the battery compartment before cleaning. Do not use any soap or cleaning solutions.

OTHER WARNINGS

Using a screwdriver

- 1. Please ask parents or another adult permission to use the screwdriver.*
- 2. You must always be supervised by an adult when using the screwdriver. The metal may have sharp edges that can cause injury.*
- 3. Do not throw the screwdriver at other people or animals.*
- 4. Put the screwdriver back in its proper storage place after use.*
- 5. Do not use a screwdriver near children under 3 years of age.*

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.*

1 | WARNING MESSAGE





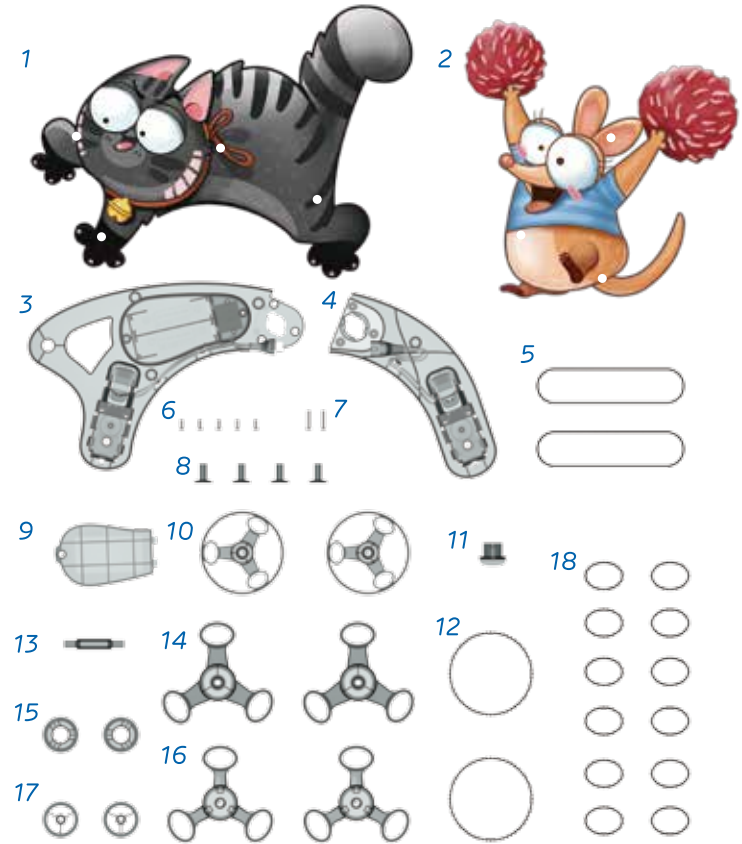
Read to be inspired!



2 PACKAGE CONTENTS



Package Contents

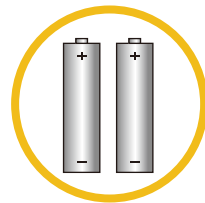


Serial	Name	Quantity	Serial	Name	Quantity
1	Cat figure	1	10	Front wheel	2
2	Mouse figure	1	11	Twist-lock	1
3	Main body	1	12	Big rubber band	2
4	Rear body	1	13	Shaft	1
5	Belt	2	14	Rear three-spoked wheel	2
6	Standard screw	4+1(spare)	15	Notched pulley	2
7	Long screw	2	16	Front three-spoke wheel	2
8	Snap fastener	4	17	Standard pulley	2
9	Battery compartment cover	1	18	Small rubber band	12

Necessary but not included



Cross-head screwdriver



Batteries
2 x AA (1.5v)

3 | INSTALLATION



Assembly Steps

- 1 Install the small rubber bands on all the front and rear three-spoke wheels.



Front three-spoke wheel

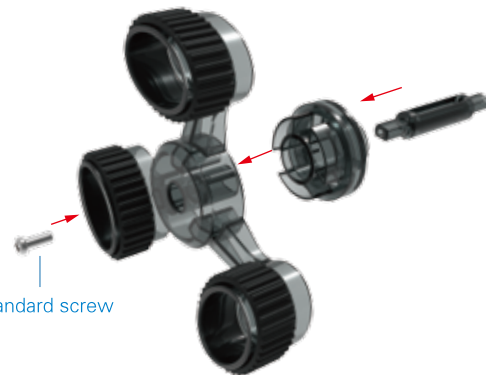


Rear three-spoke wheel

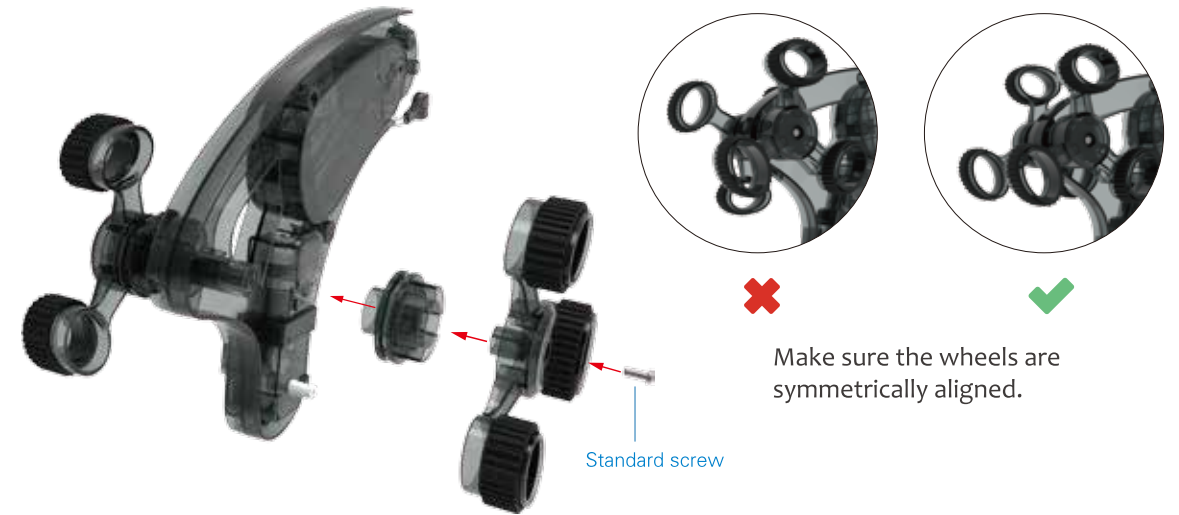
- 2 Install the big rubber bands on the two front wheels.



- 3 Interlock a notched pulley into a front three-spoke wheel. (Note that the front three-spoke wheels are smaller and flatter than the rear ones). Then screw the wheel to one of the shaft's ends.



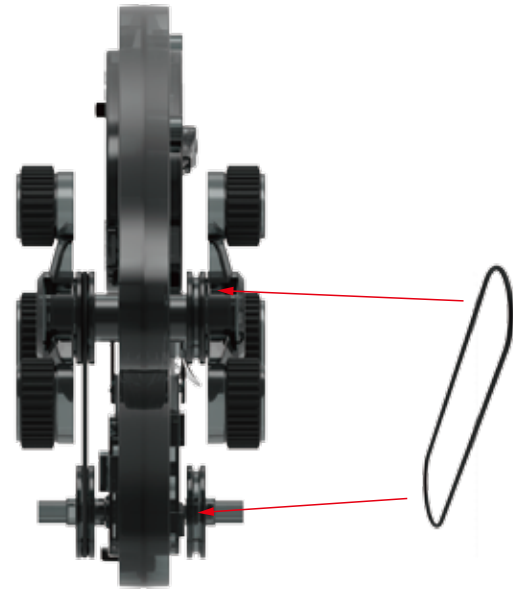
- 4 Insert the shaft into its axis on the main body. Interlock the other notched pulley into the other front three-spoke wheel and screw the wheel to the other end of the shaft.



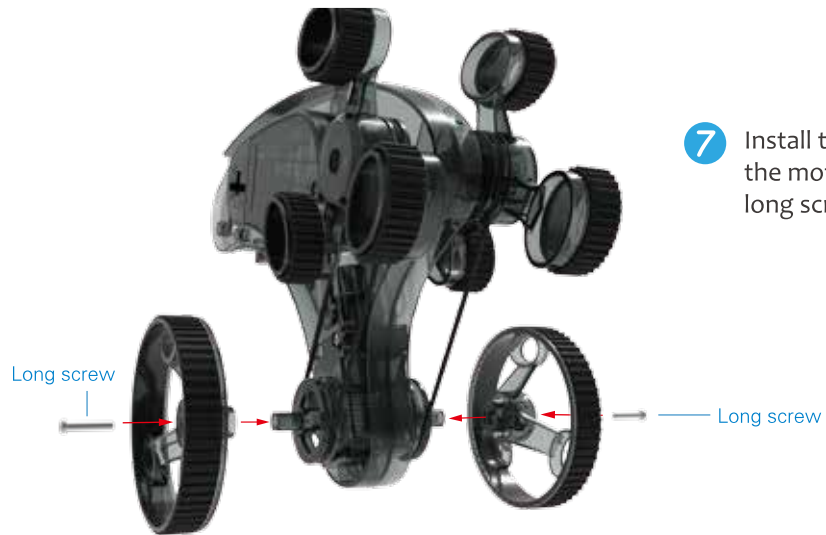
- 5 Insert the standard pulleys onto the motor shaft on the main body.



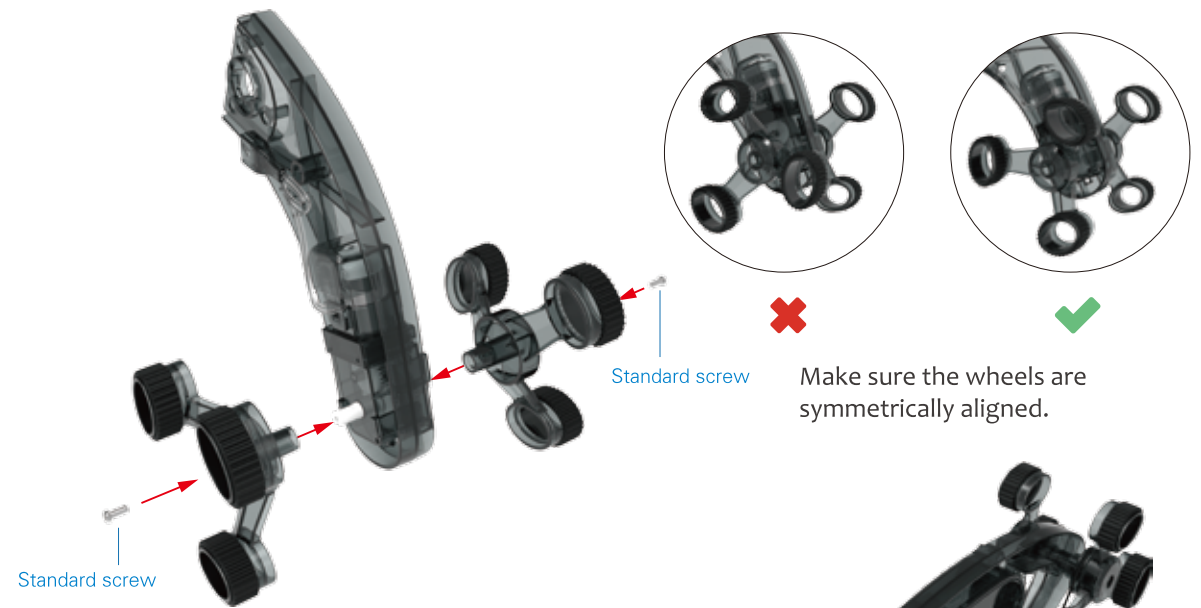
- 6 Install the belts to connect the notched pulley to the standard ones.



- 7 Install the main front wheels on the motor shaft and tighten with long screws.



- 8 Screw the rear three-spoke wheels to the motor shaft on the rear body. (Note that the rear three-headed wheels are larger than the front ones).



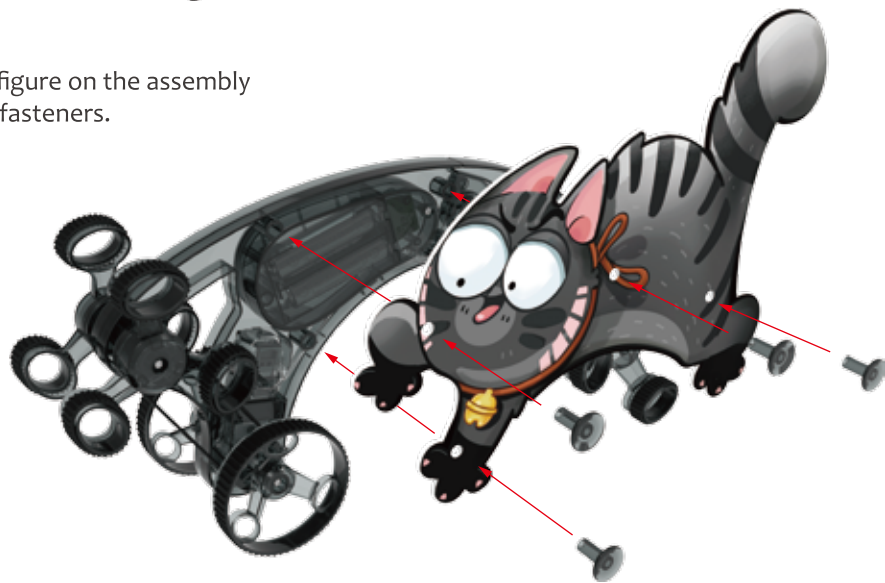
- 9 Connect the main body and the rear body together.



10 Fix them using the twist-lock.



11 Fix the cat figure on the assembly using snap fasteners.

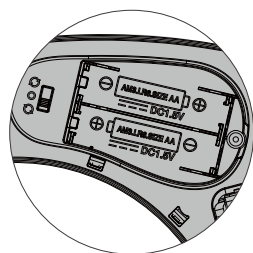
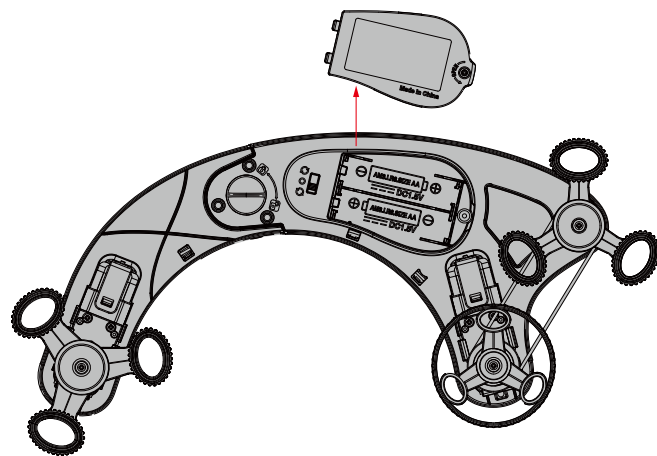


ASSEMBLY IS
COMPLETE!



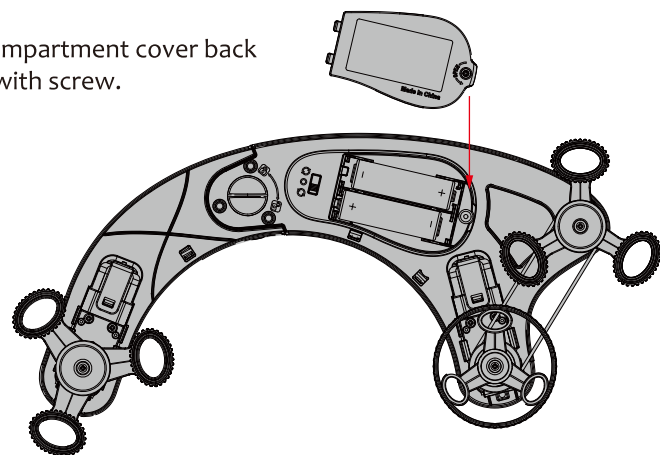
Batteries installation

1. Open the battery compartment, install the batteries correctly according to the polarity signs.

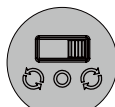


Battery polarity indicator

2. Put the compartment cover back and tighten with screw.



Off



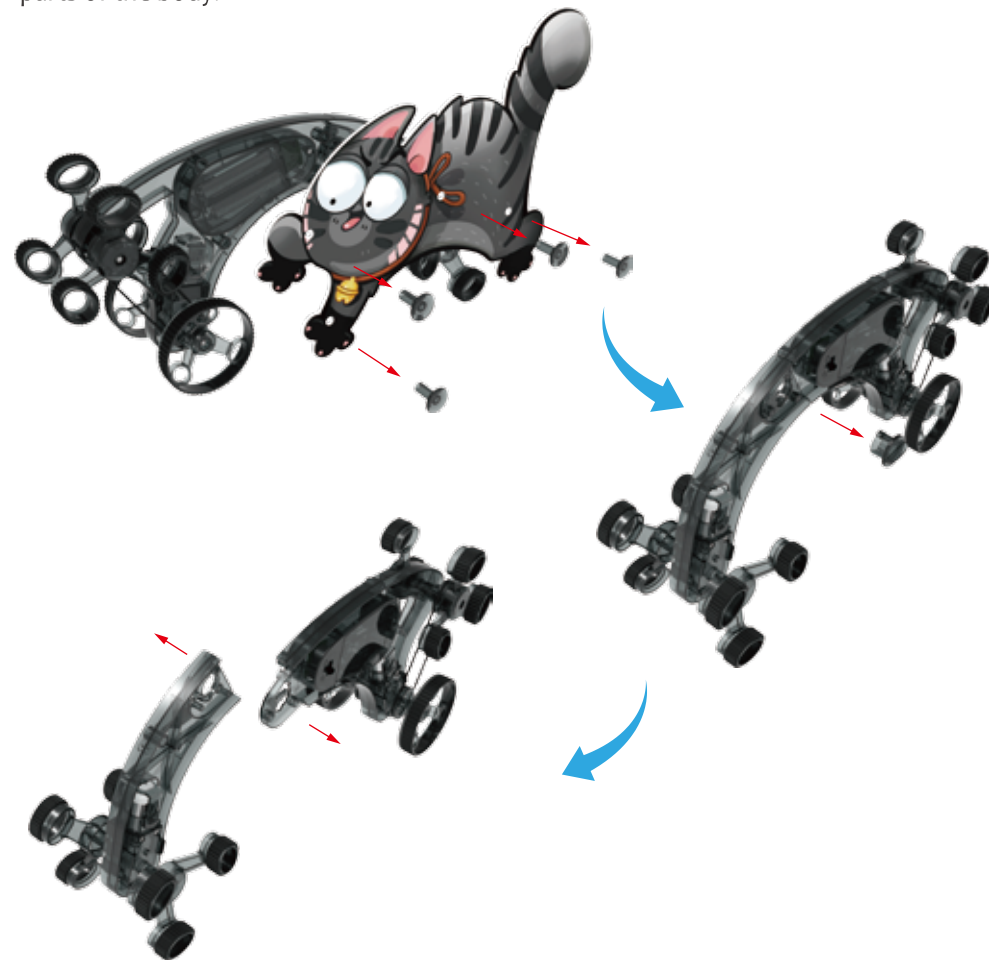
Clockwise



Counter-clockwise

Change the cat to a mouse

1. Unfasten the cat by removing the snap fasteners. Remove the twist lock and disassemble the two parts of the body.



- 2 Place the mouse on the main body and fasten with snap fasteners.



ASSEMBLY IS COMPLETE!



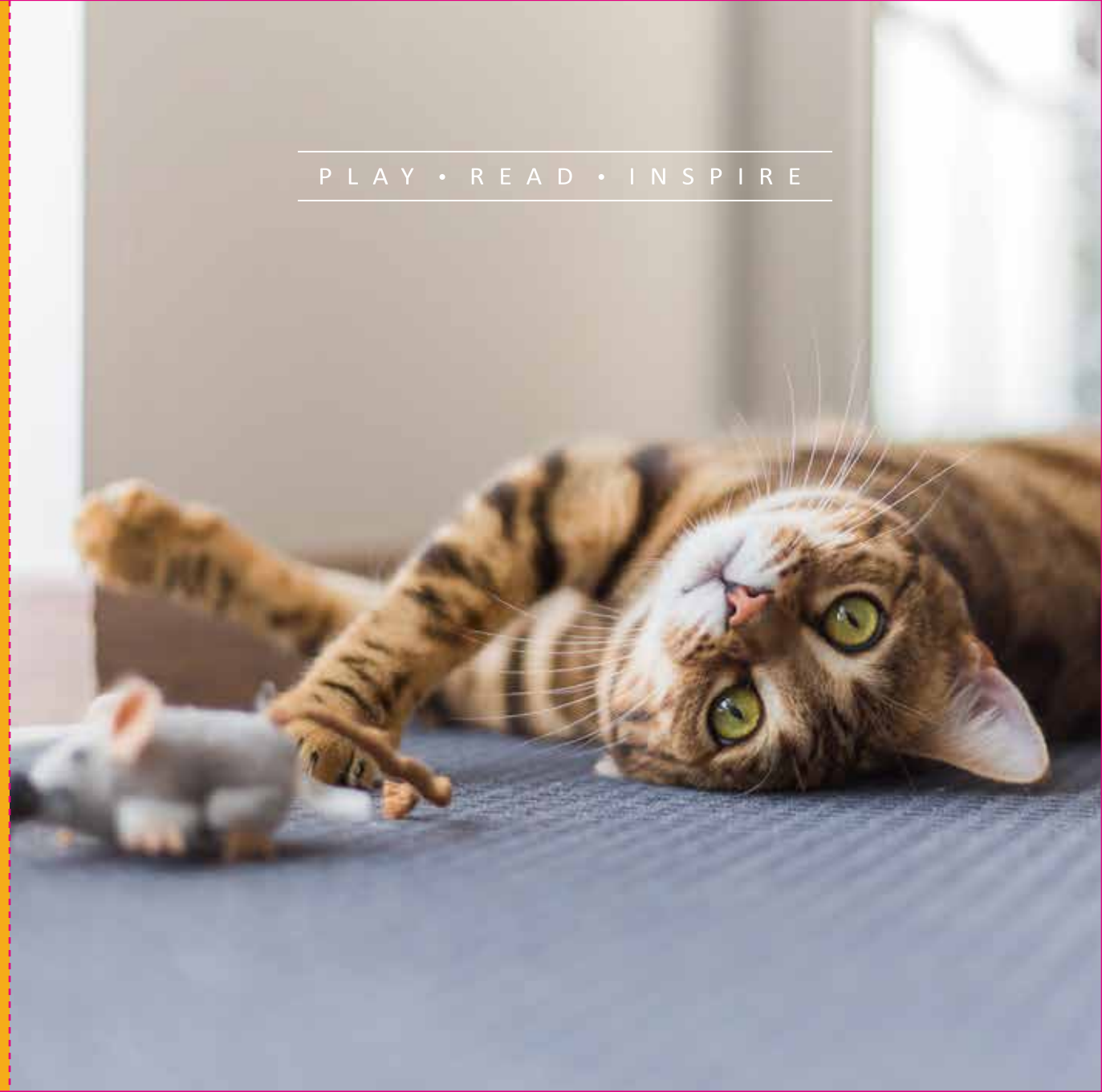
You can reassemble and misalign the front three-spoke wheels as shown for different hopping style!



4 | FUN FACTS



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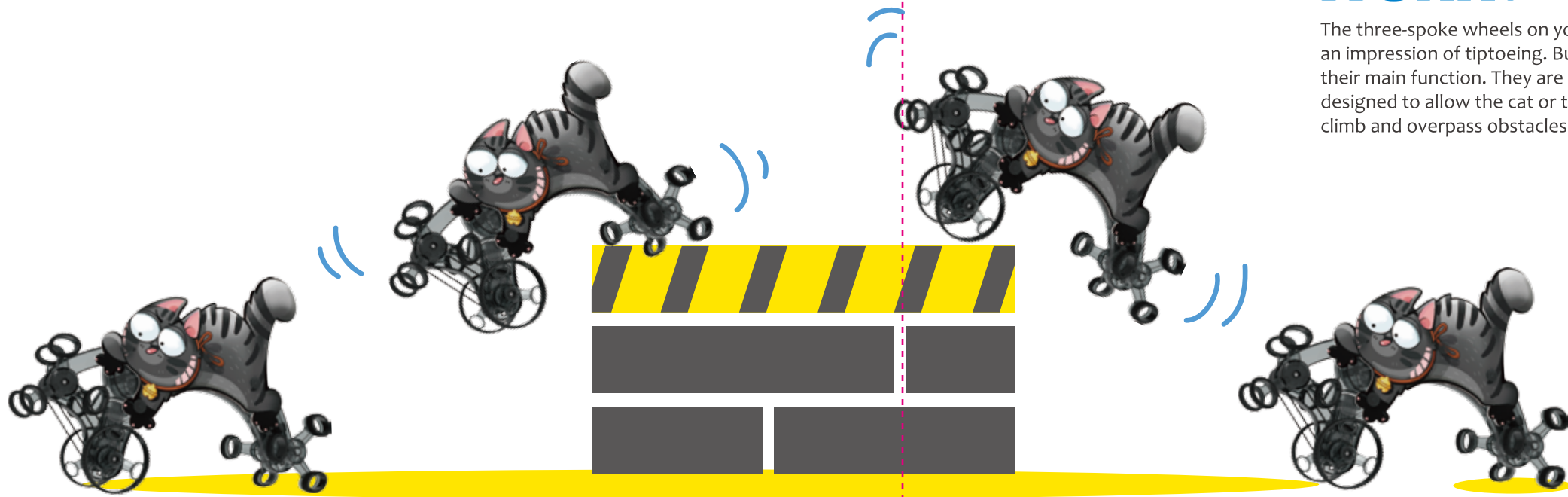


WHAT DOES IT DO?

Turn your climbing cat ON and watch it tiptoeing quietly. Place an obstacle on its way, the cat will climb and overcome it, let's test your climbing cat's limits. Change your cat to a little mouse, see and understand the differences.

You will soon discover, or you have already discovered, that your cat is not similarly agile on every surface. If the surface is slippery your cat might not climb very well. Try with many different obstacles, the best being carton box or paper.



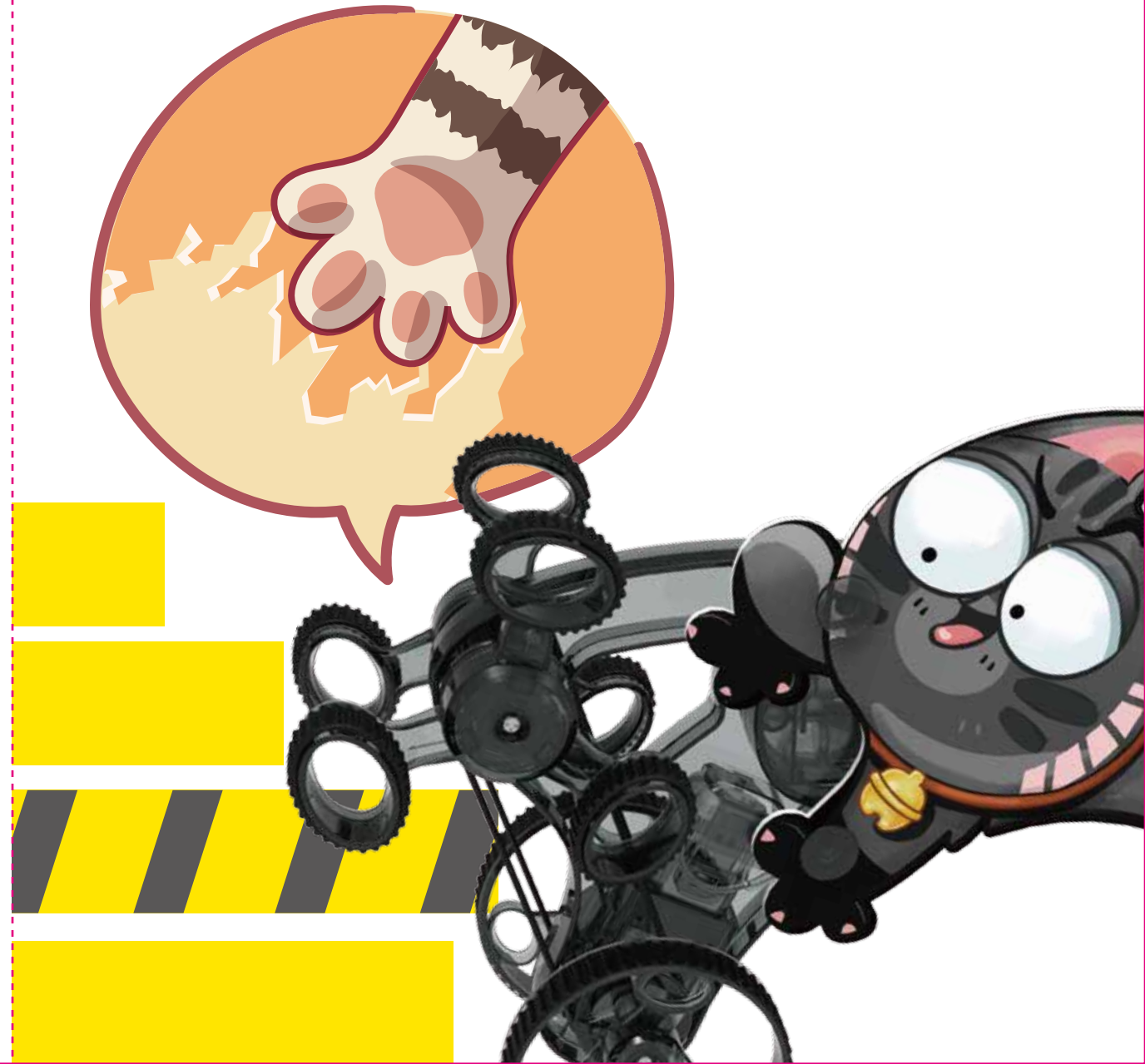


HOW DOES IT WORK?

The three-spoke wheels on your cat give an impression of tiptoeing. But this is not their main function. They are specially designed to allow the cat or the mouse to climb and overpass obstacles.

WHY THREE-SPOKE WHEELS?

The three-spoke wheels are particularly useful when the climbing cat reaches the edge of the obstacle. Their shape makes it easy to grab the upper part of the obstacle as if the cat was grabbing it with its paws. Try to understand the difference, and what would happen without these three-spoke wheels. Gain a better understanding of this phenomenon with the drawing on the next page.

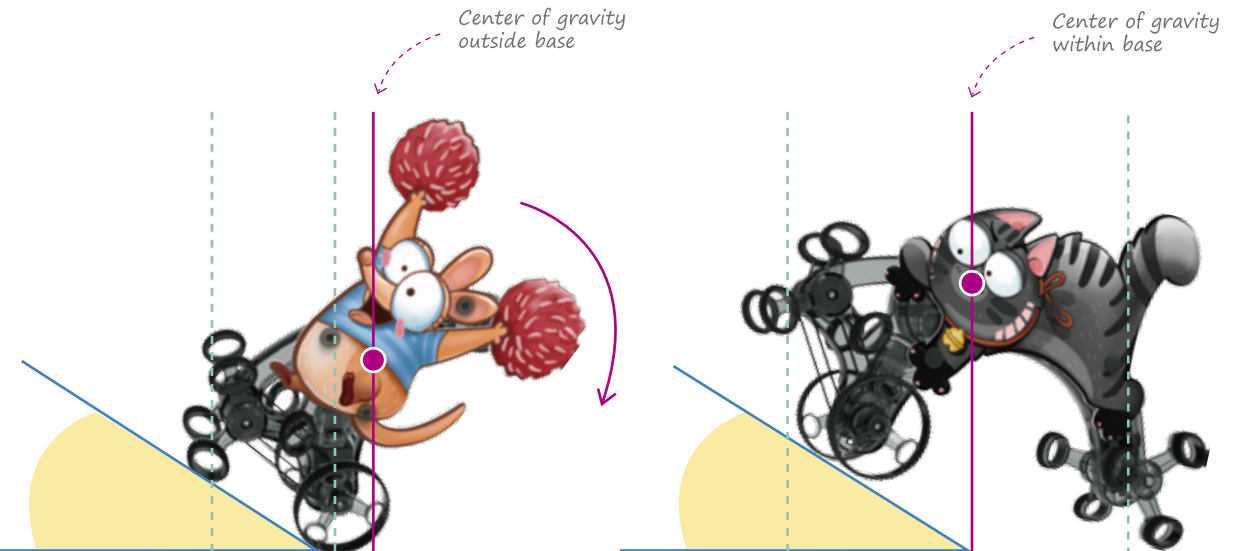


DOES THE MOUSE CLIMB?

To change your cat to a mouse refer to the last part of the installation instructions. The mouse can also overpass obstacles, but you will soon notice that she is not as agile as the cat. She can only overcome low obstacles such as books. This all depends on the "Center of Gravity". The "Center of Gravity" or "Center of Mass" of an object is where most of its mass is concentrated.



The Center of Gravity should always remain between the legs to keep the animal balanced. The cat's center of gravity is located at the front, nearby its head. Thus the cat can climb high without falling. However, the mouse's center of gravity is located further at its back. Thus when the mouse climbs a high obstacle, it can easily fall down.



Read to be inspired!



CAT RIGHTING REFLEX

You have probably heard that cats always land on their feet. This is what we call the cat righting reflex.



5 | *ACTIVITIES*

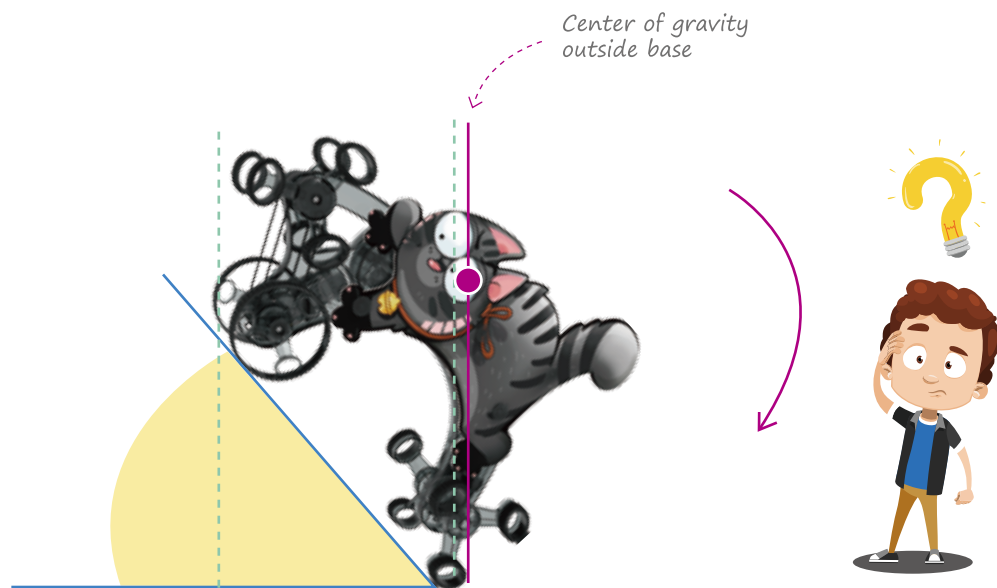


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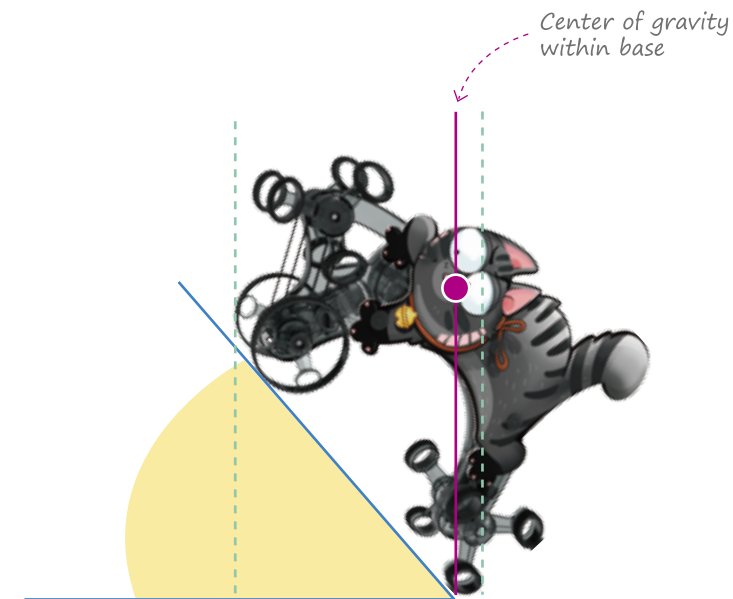


Enhance your cat's abilities

As you probably found out, the cat cannot climb very high obstacles. If you have read carefully the previous pages you know that this is related to the "Center of Gravity". When the obstacle is too high, the center of gravity goes beyond the cat's rear legs and the cat falls down.



You can add some weight near the front wheels, this will shift its center of Gravity further to the front. You can, for example add some Blue Sticky Putty as illustrated. Pay attention not to block the rotation of the wheels and the pulleys. Enhancement is complete. The cat should be able to climb a bit higher. Try it on a higher obstacle and try adjusting the added weight. It might even climb stairs if well balanced.



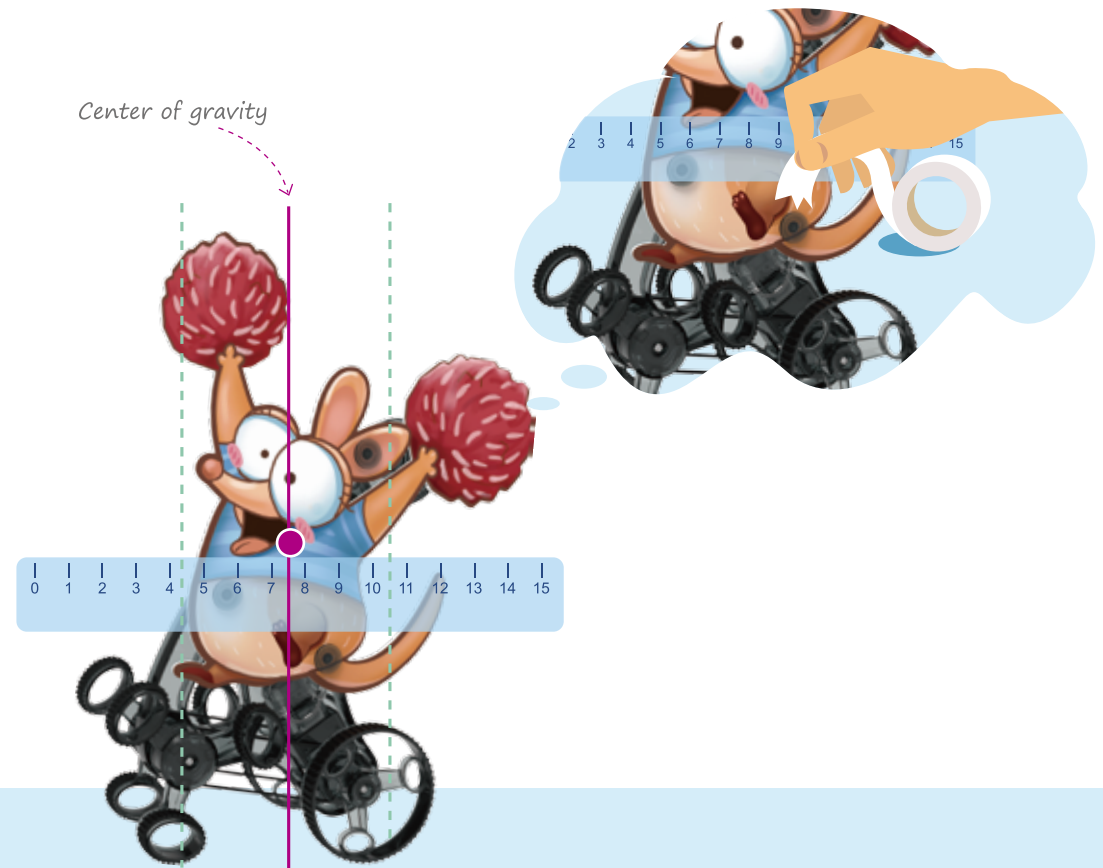
The Jumping stealing mouse

The mouse's way of walking is a bit more "jumpy" than the cat's. This is because its Center of Gravity. As we previously explained, is closer to the three-headed wheel. Most of its weight is thus concentrated near the three-headed wheel. This enhances the up and down movements. To make your mouse even more "jumpy", add it arms following these simple steps:

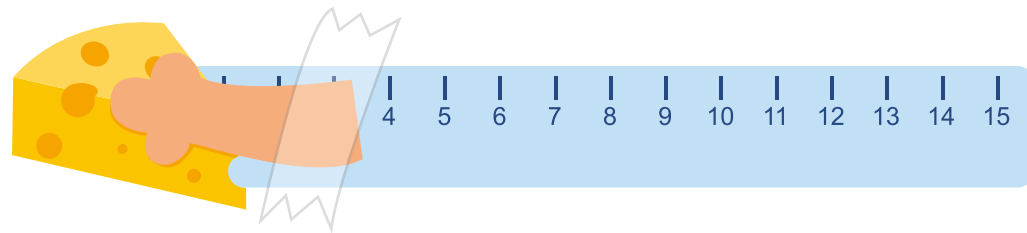
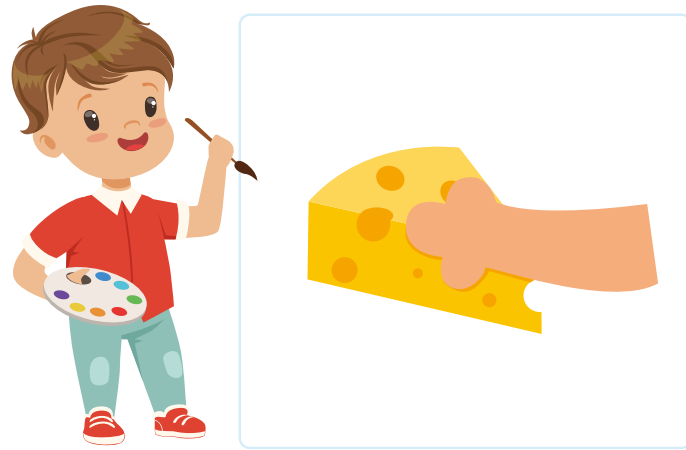
1. Find a "stick" about 10 to 20 cm (4 to 8 inches) long, the ideal being a 15cm (6 inches) steel ruler, for the arms.



2. Stick the steel ruler to the main body as illustrated, this will shift the Center of Gravity a bit closer to the three-headed wheel.



3. You can draw hands holding a piece of cheese on a piece of paper and stick it to the ruler.



4. Turn your mouse ON. It will sneak away as if it just stole a piece of cheese.

