

## Model 5 – Roaring Lion



5

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Image source: LEGO Education WeDo

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## Model 5 – Roaring Lion LEGO Education WeDo



### Connect – Preparation and discussion

The children could discuss these questions during circle time, or you could devise activities to address them.

- Do you have a cat at home?
- What sounds does a cat make? Can you imitate it?
- Do you think a lion is like a cat? What the same? What's different?
- What sounds does a lion make?
- Imagine you are a lion in the African savannah. How would you walk? How would you sit? How would you lie down?
- Do you know what a lion eats?

### Engaging question

Do you think you can build a lion that roars, sits and lies down?

\* Show the children the poster of the Roaring lion to get them thinking about building this model.

### Construct

Model 5 – Roaring Lion

## Contemplate and discuss

Tips that are given to the students on the site.



**Tip to launch the programme**  
Use the green arrow pictogram.



**Tip to program the duration (time)**  
Use the time pictogram to make the motor run and the 123 to tell it how long to run. Place the cursor in the 123 box. When you see the "T", type the number for the time you want.

### Tip for the time

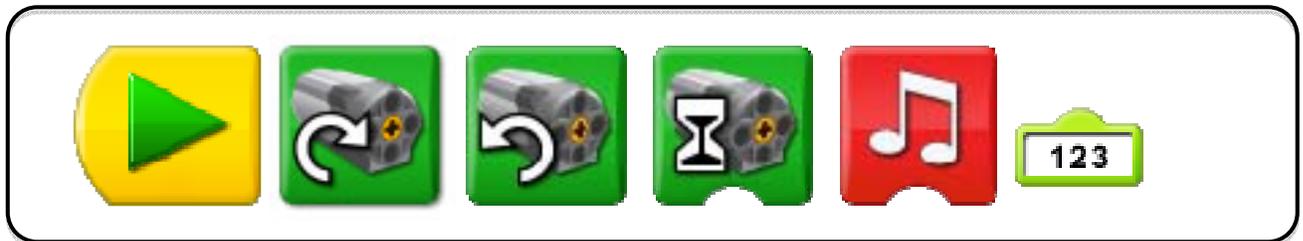
If you want the robot to move for 1 second, type 1 and add a 0. If you want it to move 2 seconds, type 2 and add a 0. If you want it to move 3 seconds, you know what to type and to add.



### Tip for the sound

Put together the music notes and the "123" pictograms. Place your cursor on 123. When the letter "T" appears, you can type a number. You can choose among 20 sounds: numbers 1 to 20.

## Pictograms to use in the challenges



**Here are a few challenges the children can do in class.**

### **Contemplate and share**

Here are a few challenges your class can take on.

**Note to teacher:** It takes less than a second for the lion to stand or lie down. If you program the motor for longer than 1 sec, it might put a strain on it.

### **Challenge 1**

Find the sound the lion makes.

### **Challenge 2**

Make the lion stand on its legs for 1 second.

\* 1 second =10

### **Challenge 3**

Make the lion lie down for 1 second.

### **Challenge 4**

The lion is really mad. It roars and stands on its legs for 1 second.

### **Challenge 5**

The lion is tired. It lies down for 1 second and then it snores.

### **Continue**

Each team creates its own challenge using the pictograms in the exercises above. Plan a time during which each team can explain and show their challenge to the class.

Model 5 – Roaring lion  
Correction key

Contemplate and exchange

Challenge 1

Find the sound the lion makes.



Challenge 2

Make the lion stand on its legs for 1 second.

\* 1 second = 10



Challenge 3

Make the lion lie down for 1 second.



### Challenge 4

The lion is really mad. It roars and stands on its legs for 1 second.



### Challenge 5

The lion is tired. It lies down for 1 second and then it snores.



### Continue

Each team creates its own challenge using the pictograms in the exercises above. Plan a time during which each team can explain and show their challenge to the class.

***Note to teacher:** The challenge could take the form of a story. For example, by Combining 4 and 5 and adding a Thunder sound at the beginning, the program could be the story of a lion that is scared of the thunder and then falls asleep when the storm is over.*

**The answers are personal for each team**



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