



# ROBOTICS AND CODING

EASIER WITH STEM

KA210-SCH-SMALL-SCALE PARTNERSHIPS



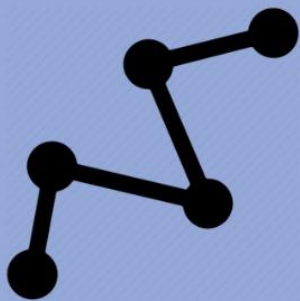
Co-funded by the  
Erasmus+ Programme  
of the European Union



# FOUR LEGGED WALKER

The background is a gradient from dark purple at the top to dark blue at the bottom, filled with a pattern of small, light blue stars. On the right side, there are several faint, white technical diagrams. These include a large circular scale with degree markings from 0 to 210, a smaller concentric circle with an arrow, and a dashed circular path with an arrow. In the bottom left corner, there is another dashed circular path with an arrow.

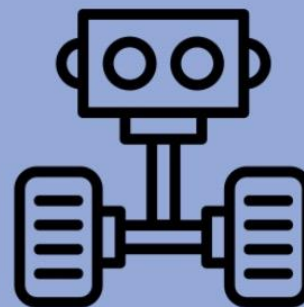
# Activity structure



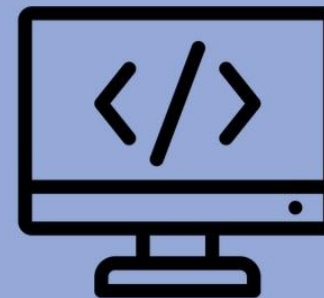
**Unions**



**Joints**



**Construction**



**Coding**

# For this activity

Preferably use  
Lego Mindstorm EV3



But can be adapted  
with Lego Spike





# Lego Mindstorm EV3 box





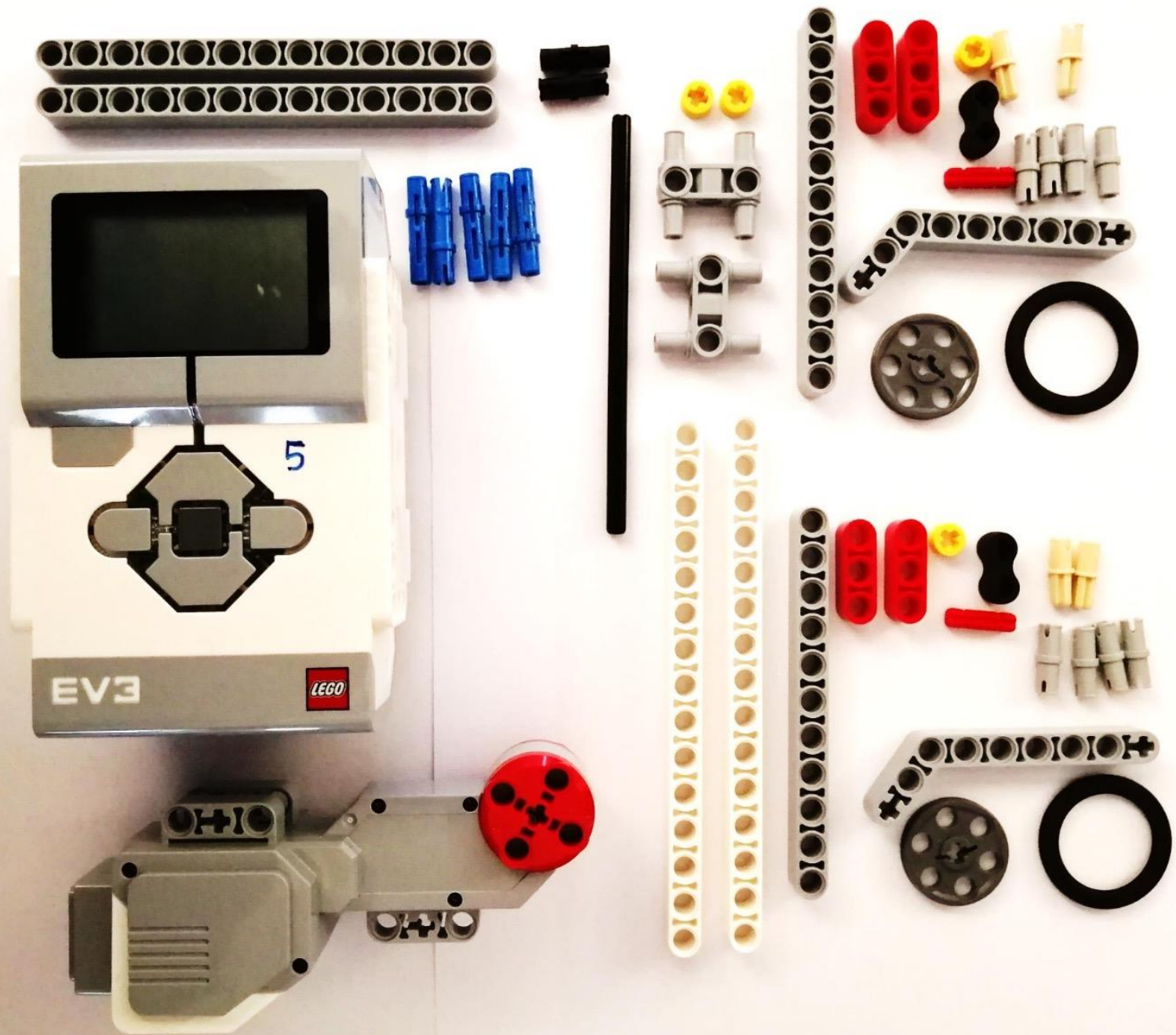


Four legged walker

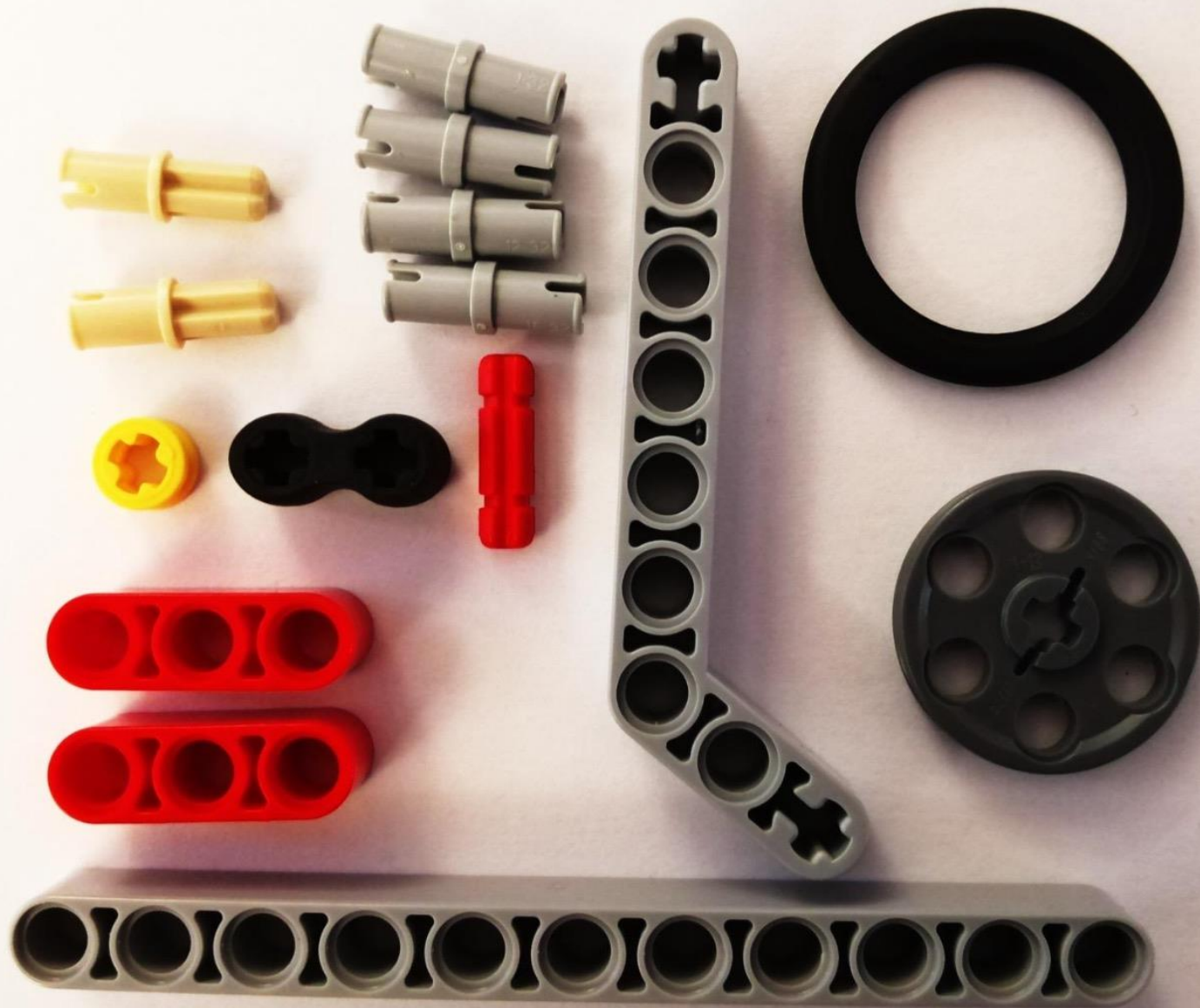


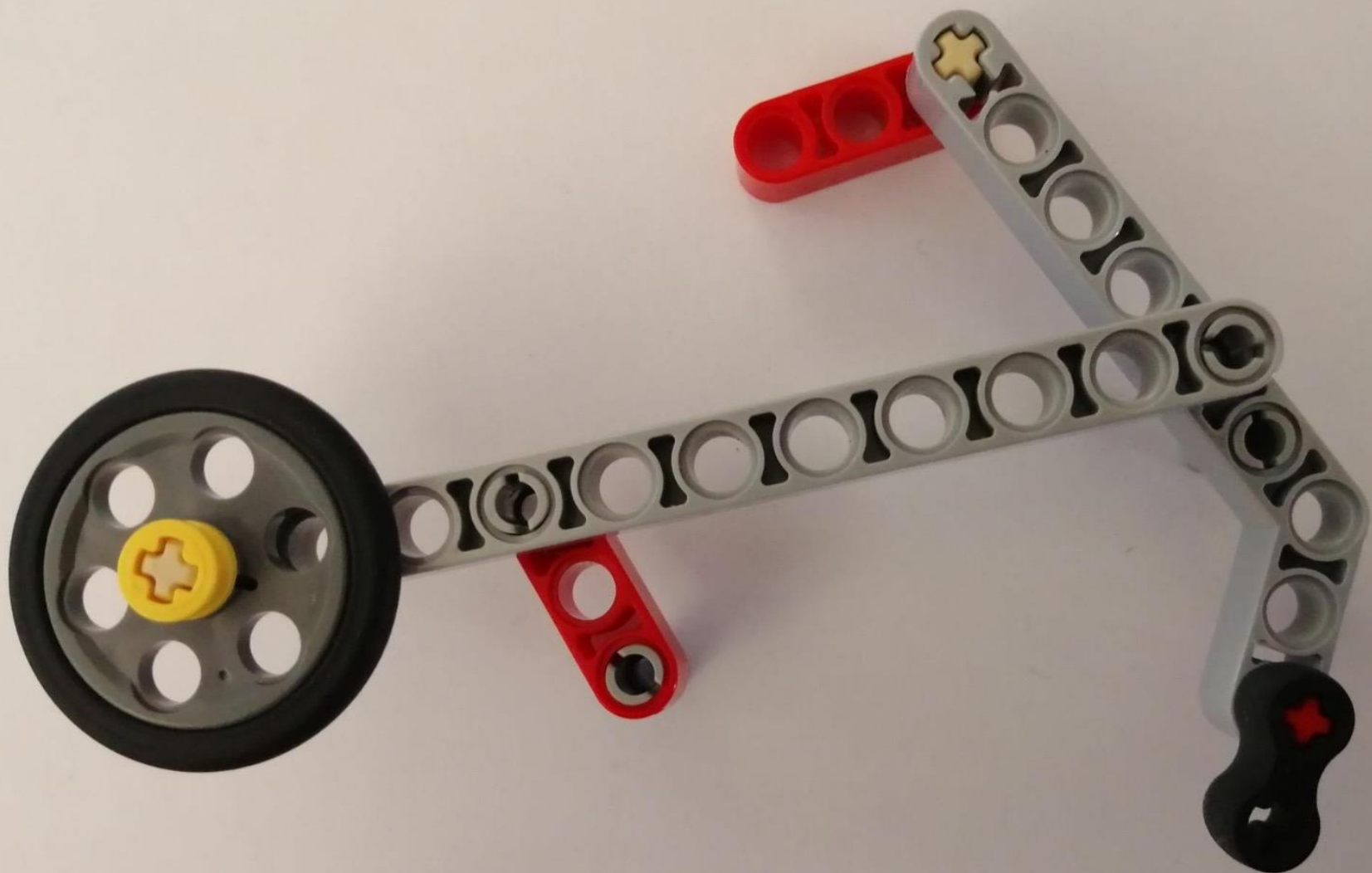
The background is a solid light blue color. On the left and right sides, there are vertical decorative borders. The left border is dark blue with faint, glowing white circular patterns and small white dots. The right border is a gradient of blue, from dark at the top to lighter at the bottom, featuring faint white circular patterns, dashed lines, and small white dots. The text is centered in the middle of the slide.

**Follow the  
step-by-step**



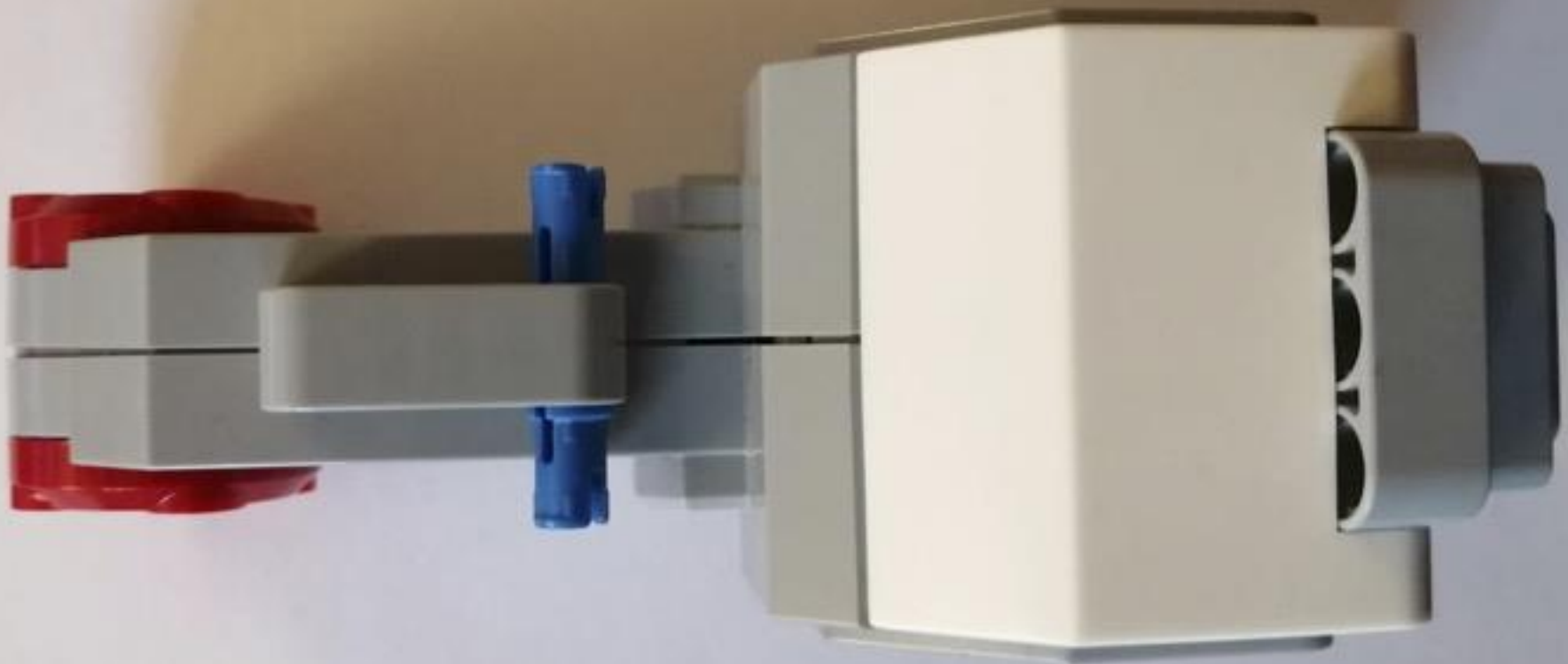


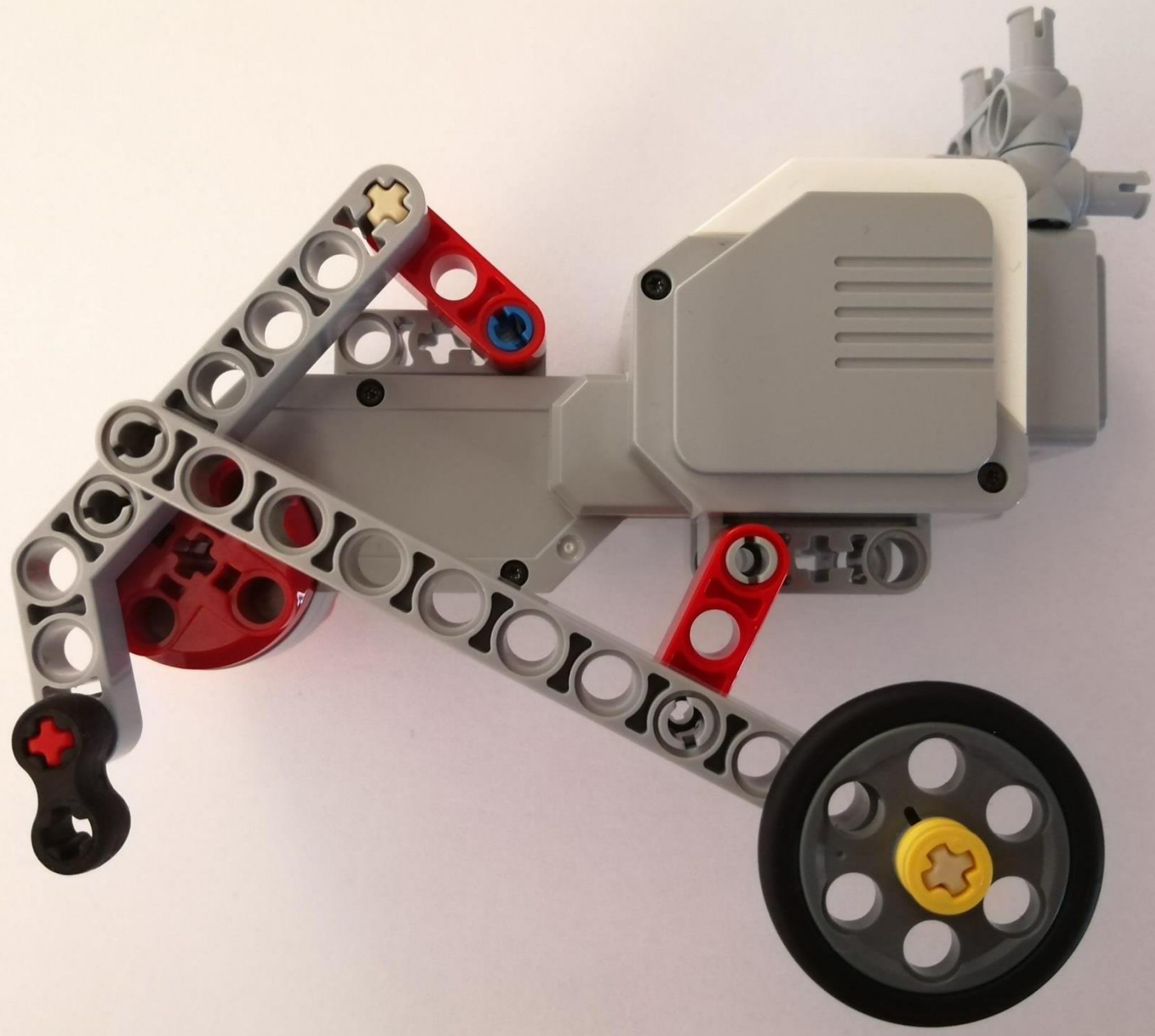








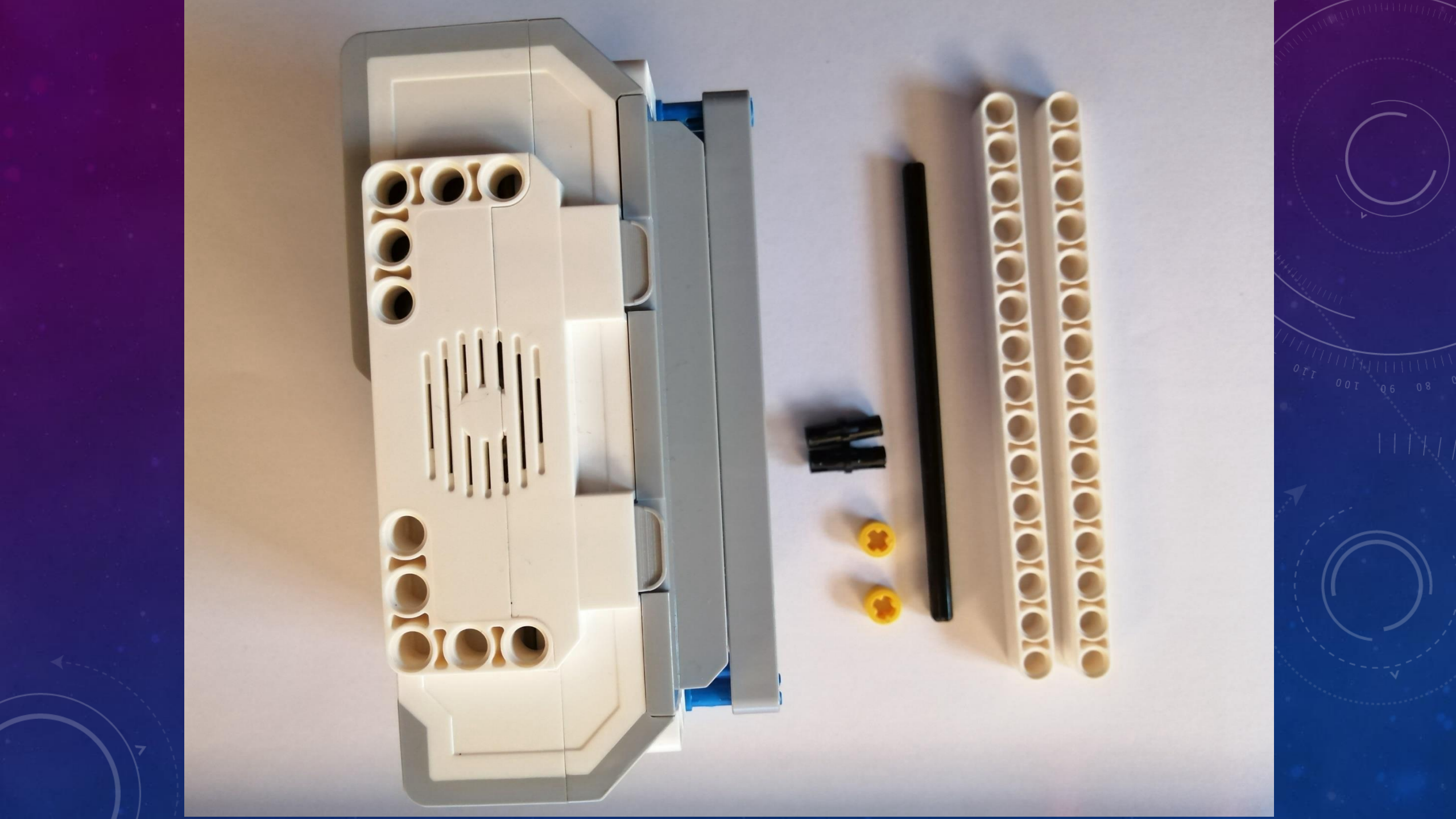
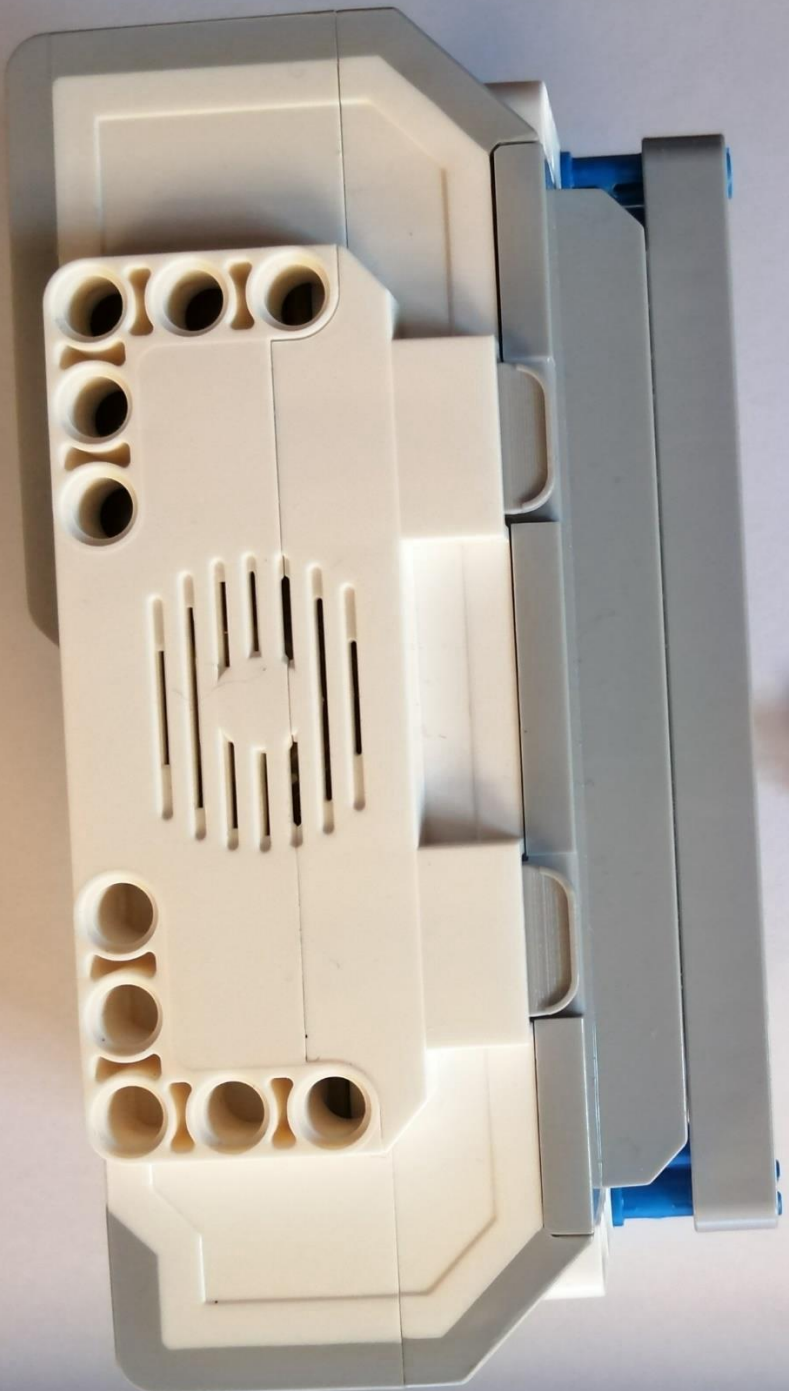




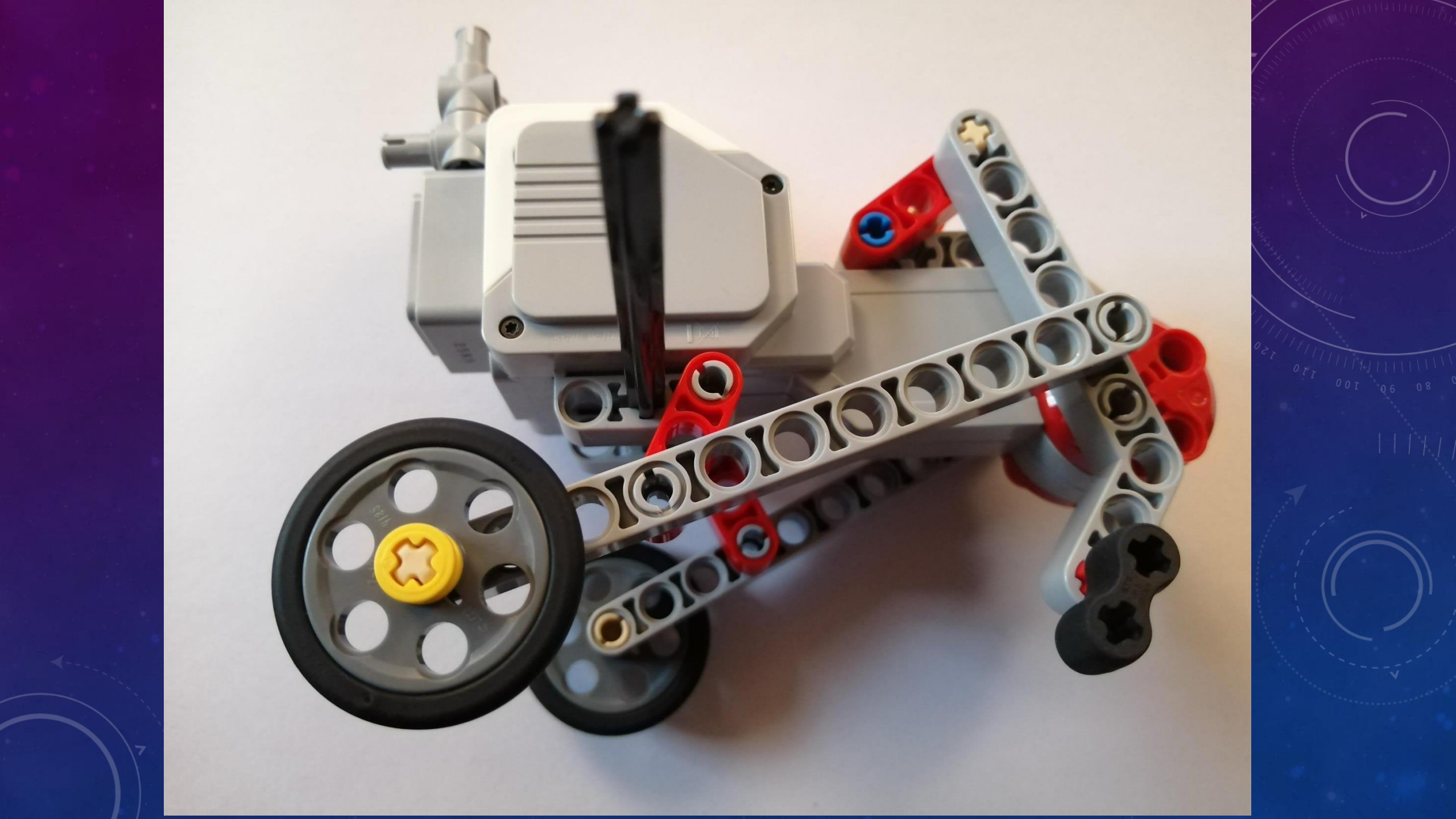
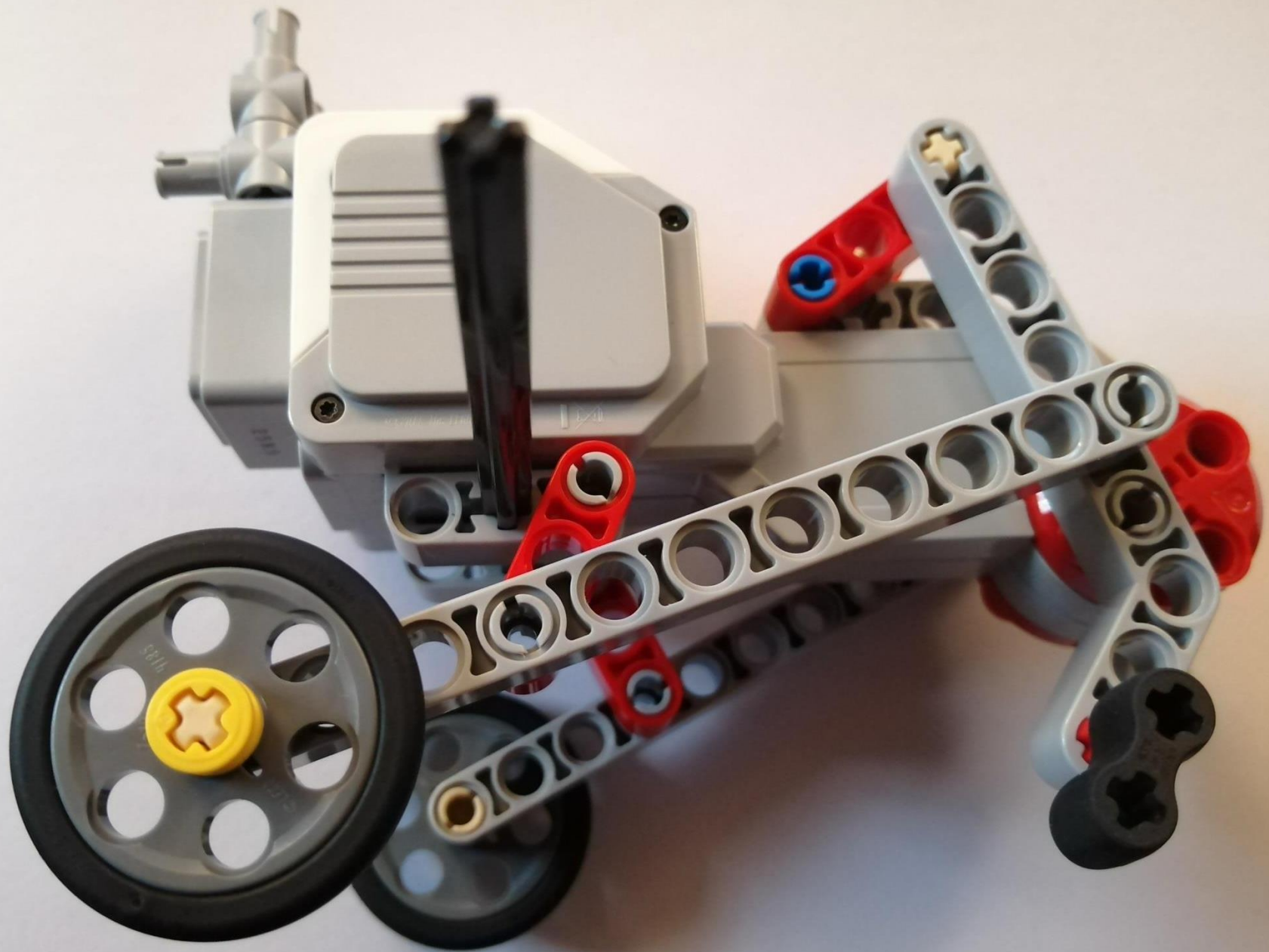




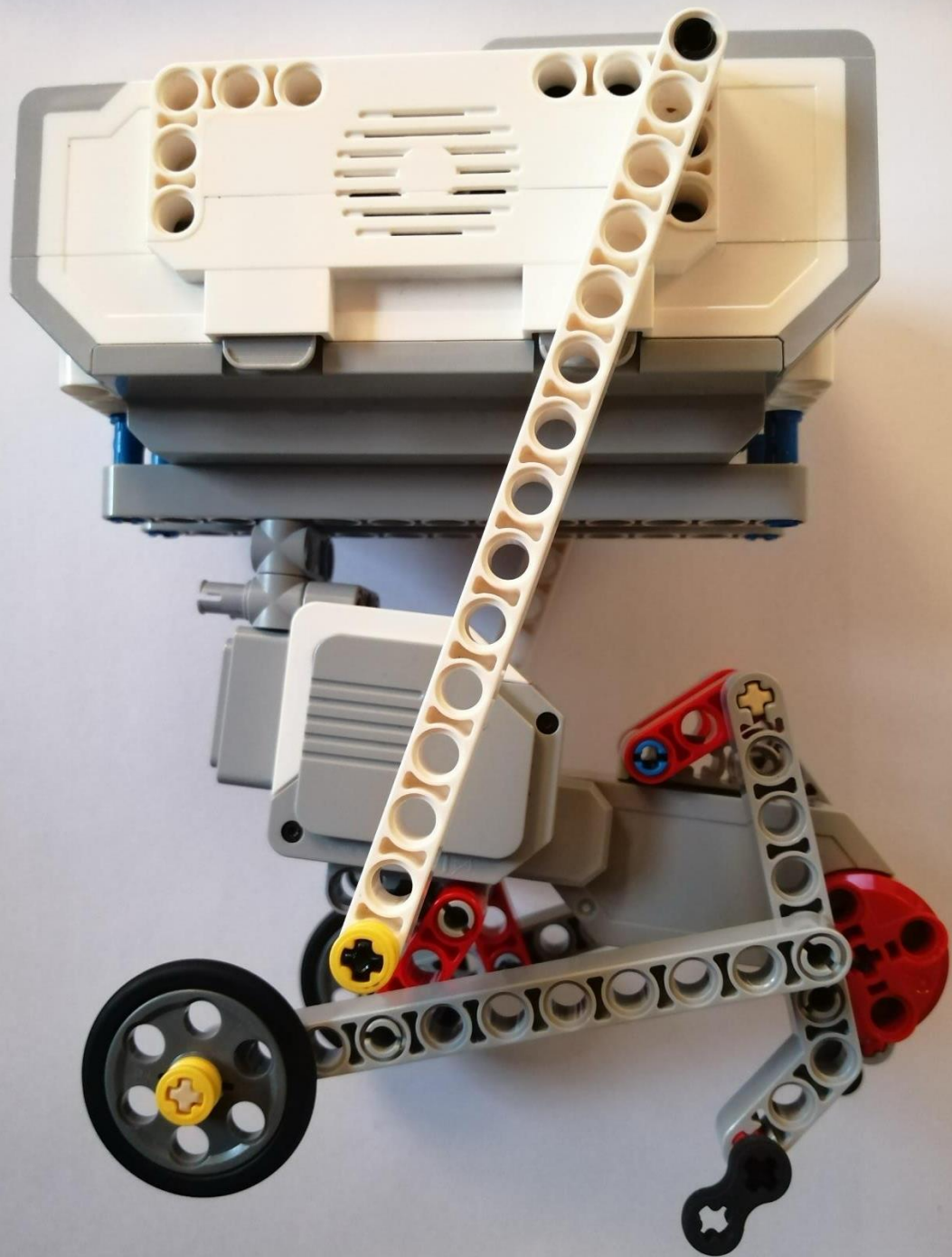


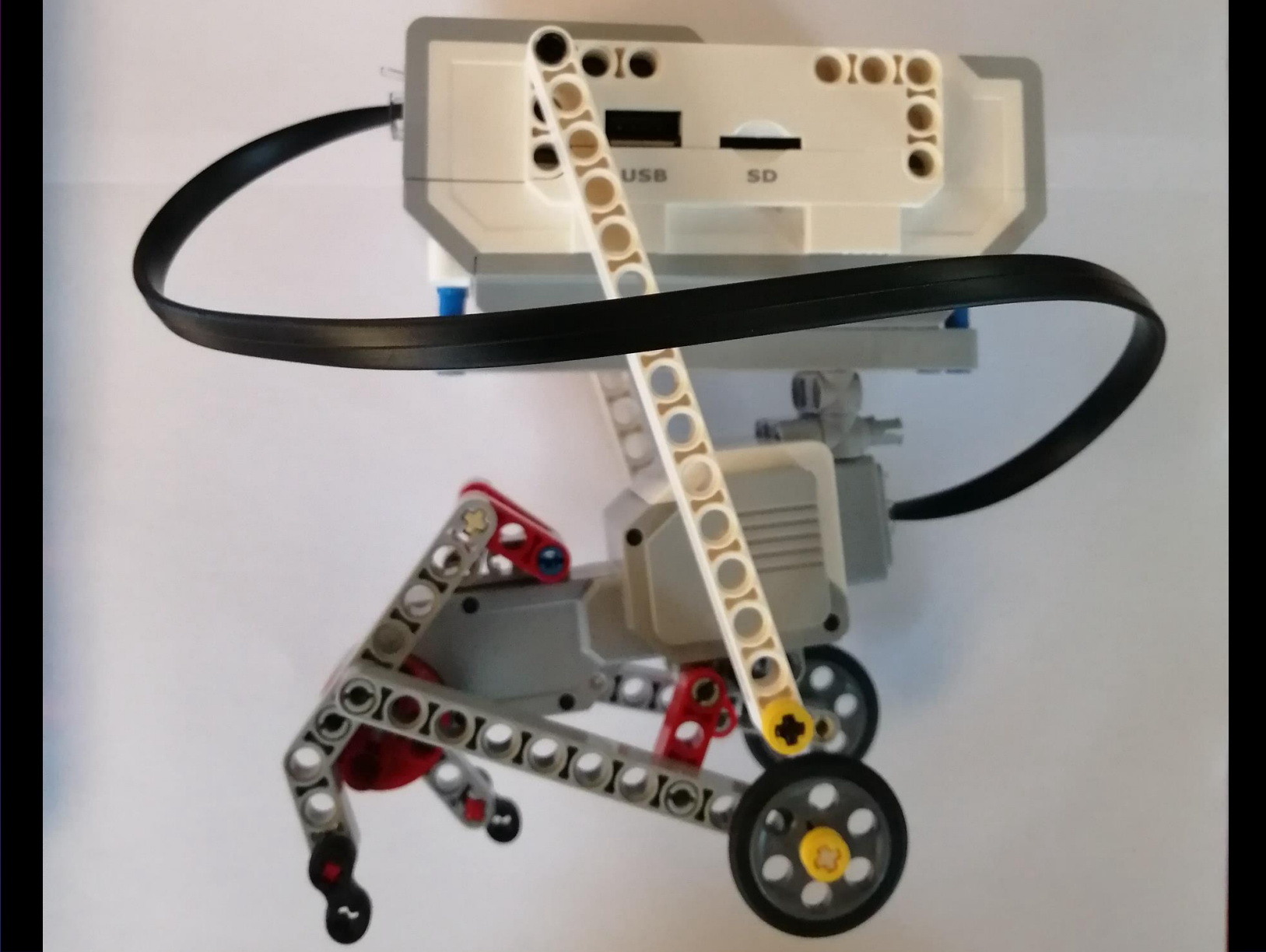












# Doors



Engine doors



Sensor ports



# Connections



## Wireless Connection Status Icons

(from the left):



Bluetooth enabled but not connected or visible to other Bluetooth devices



Bluetooth enabled and visible to other Bluetooth devices



Bluetooth enabled and your EV3 Brick is connected to another Bluetooth device



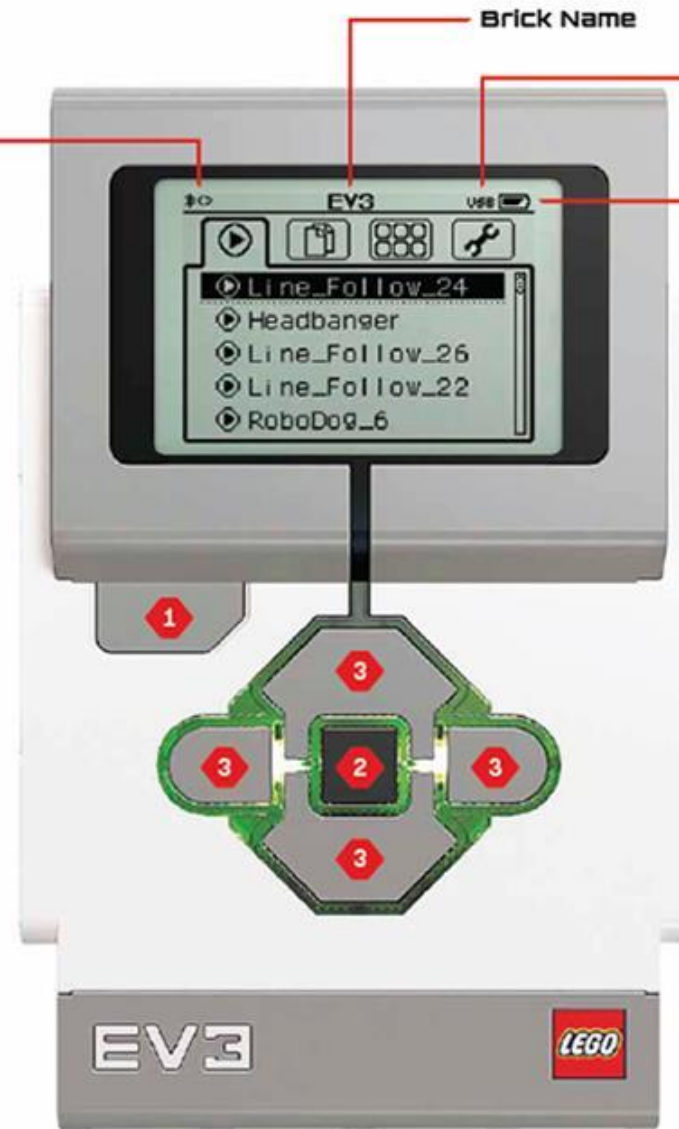
Bluetooth enabled and visible and your EV3 Brick is connected to another Bluetooth device



Wi-Fi enabled but not connected to a network



Wi-Fi enabled and connected to a network



Brick Name

USB

USB connection established to another device



Battery level

## Brick Buttons

### 1. Back

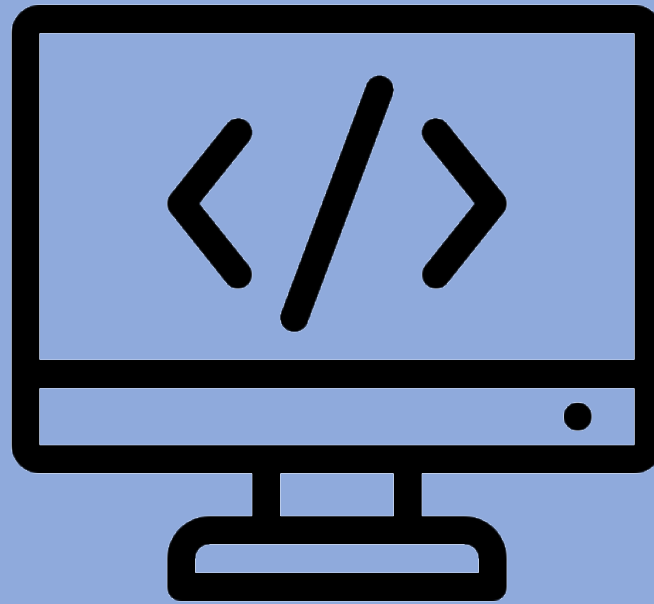
This button is used to reverse actions, to abort a running program, and to shut down the EV3 Brick.

### 2. Center

Pressing the Center button says "OK" to various questions—to shut down, to select desired settings, or to select blocks in the Brick Program App. You would, for example, press this button to select a checkbox.

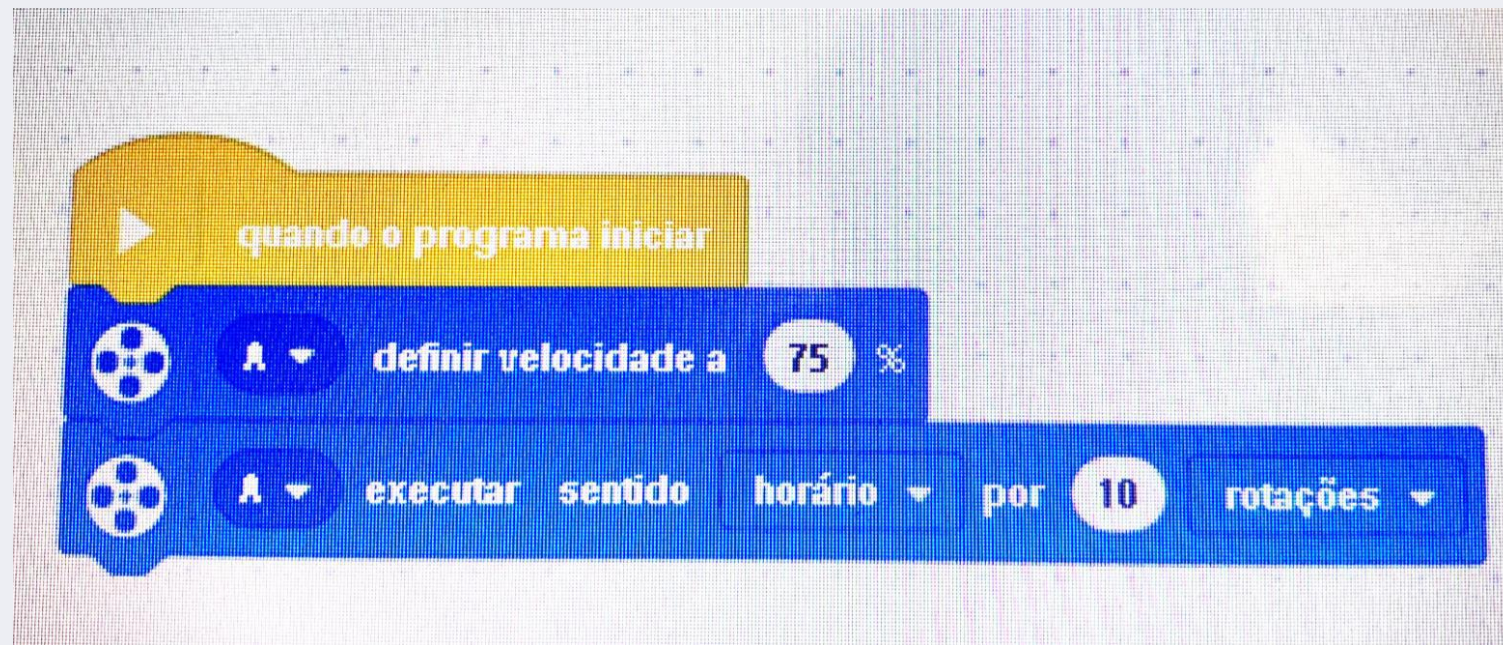
### 3. Left, Right, Up, Down

These four buttons are used to navigate through the contents of the EV3 Brick.



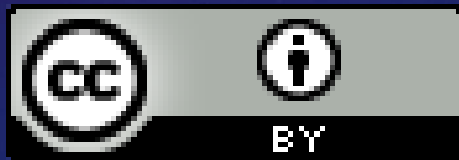
**Coding**





## Cláusula de exención de responsabilidad

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