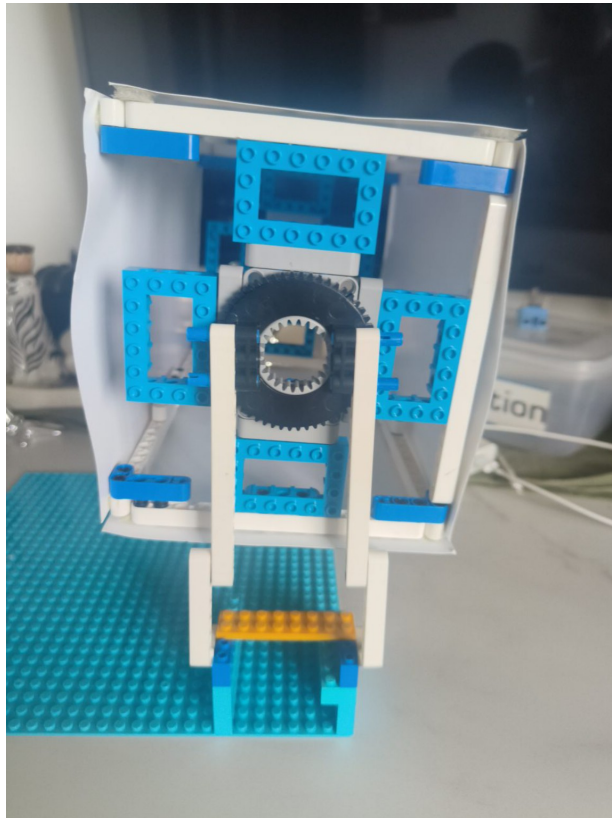


# RoboRangManch Rotating Scene Frame

LEGO-style photo reconstructed building instructions



## MAIN FEATURES

- Turquoise base platform
- White outer stage frame
- Blue window frames
- Large central gear
- Twin white front arms
- Tan lower crossbar
- Printed scene panel

# P

## Main parts

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**Large cyan baseplate**

1

**White Technic beams**

frame + arms

**Blue window frames**

4+

**Large gear assembly**

1

**Blue/Cyan bricks**

supports

**Tan plate**

lower crossbar

**Pins/axles**

multiple

**Scene card/panel**

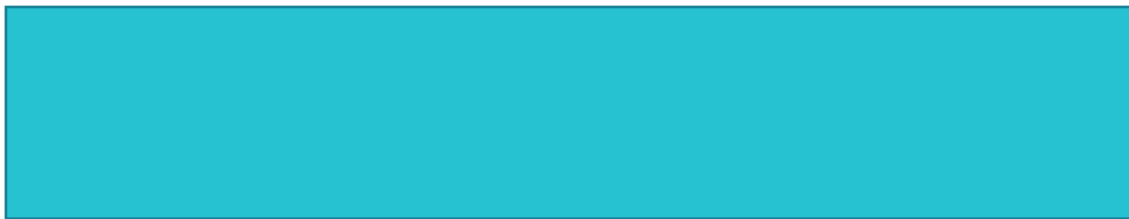
1

The photographs show the structure clearly, but some exact hidden brick lengths are not visible. Match the hole positions and proportions shown in the reference pages.

1

## Place the turquoise baseplate

SIDE CHECK



Start with the large turquoise base. Leave the front center clear for the lower support/step assembly.

### ADD THIS STEP

1 x large baseplate

2

## Build the two rear support blocks

SIDE CHECK



Build matching raised supports at the rear left and rear right of the base.

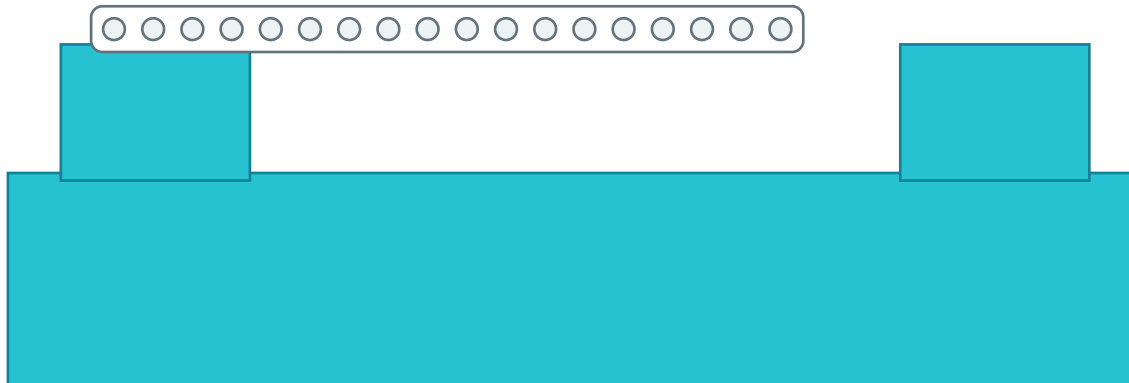
**ADD THIS STEP**

2 x cyan support block

3

## Add the lower white frame rails

SIDE CHECK



Connect the rear supports with the white lower frame rails.

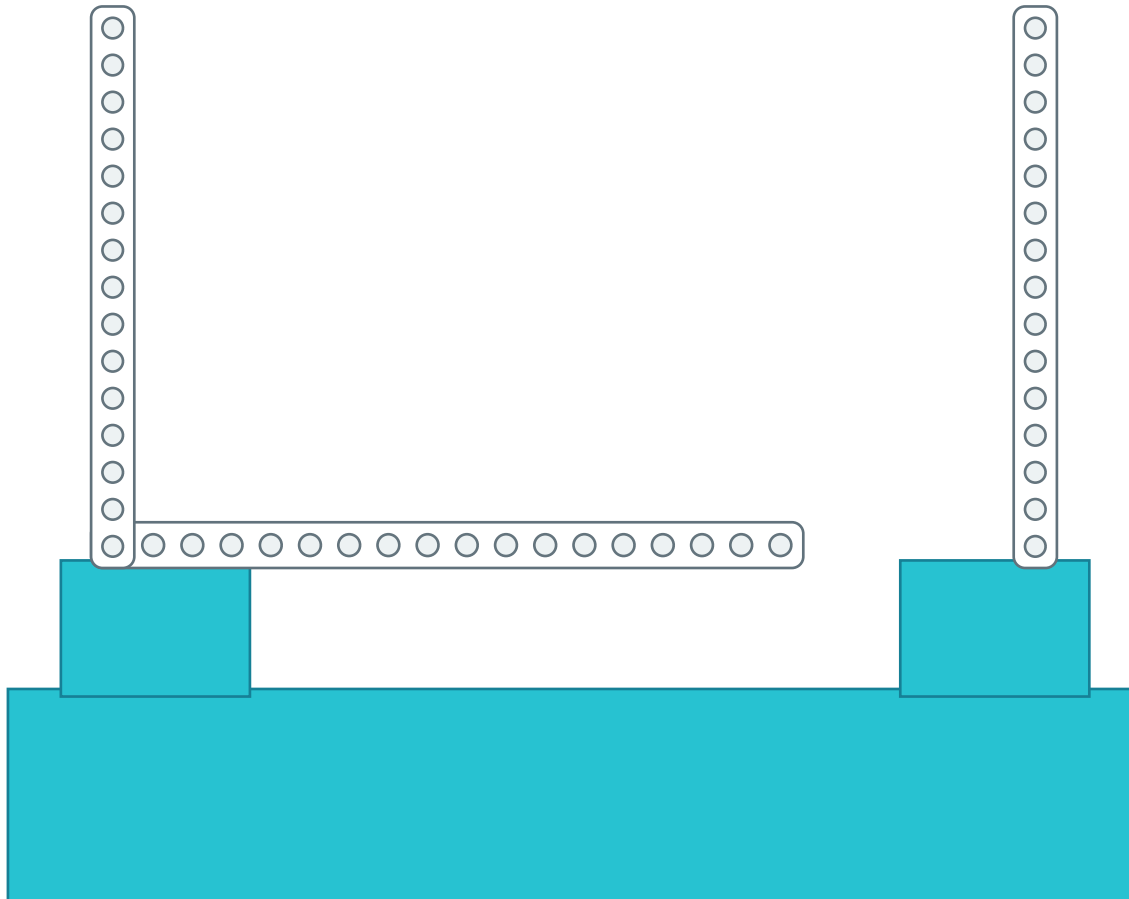
### ADD THIS STEP

2 x white long rail

4

## Build the outer white side uprights

SIDE CHECK



Raise the left and right outer beams. Keep them parallel.



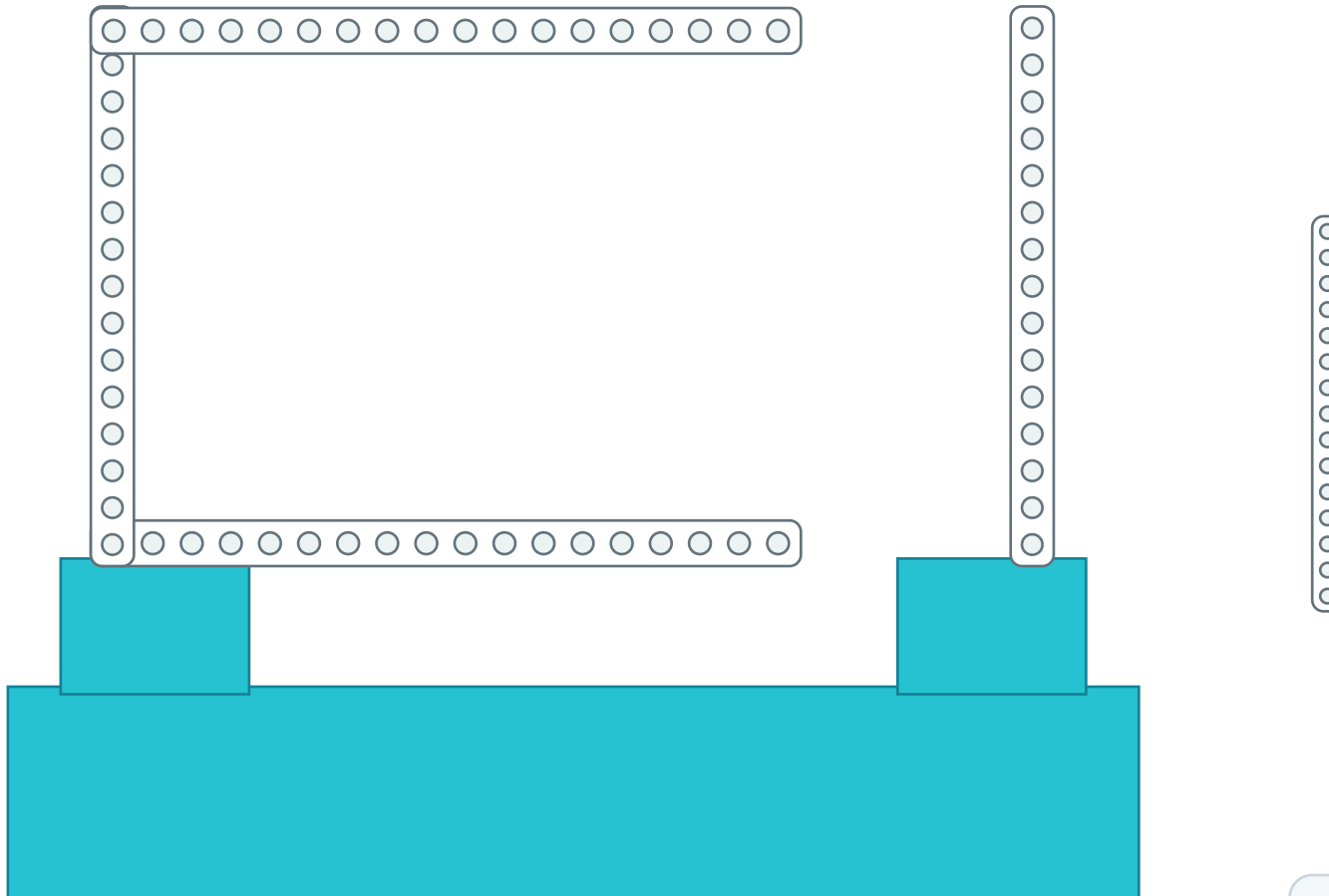
**ADD THIS STEP**

2 x long white Technic beam

5

## Connect the top white beam

SIDE CHECK



Join both side uprights at the top to create the rigid rectangular scene frame.

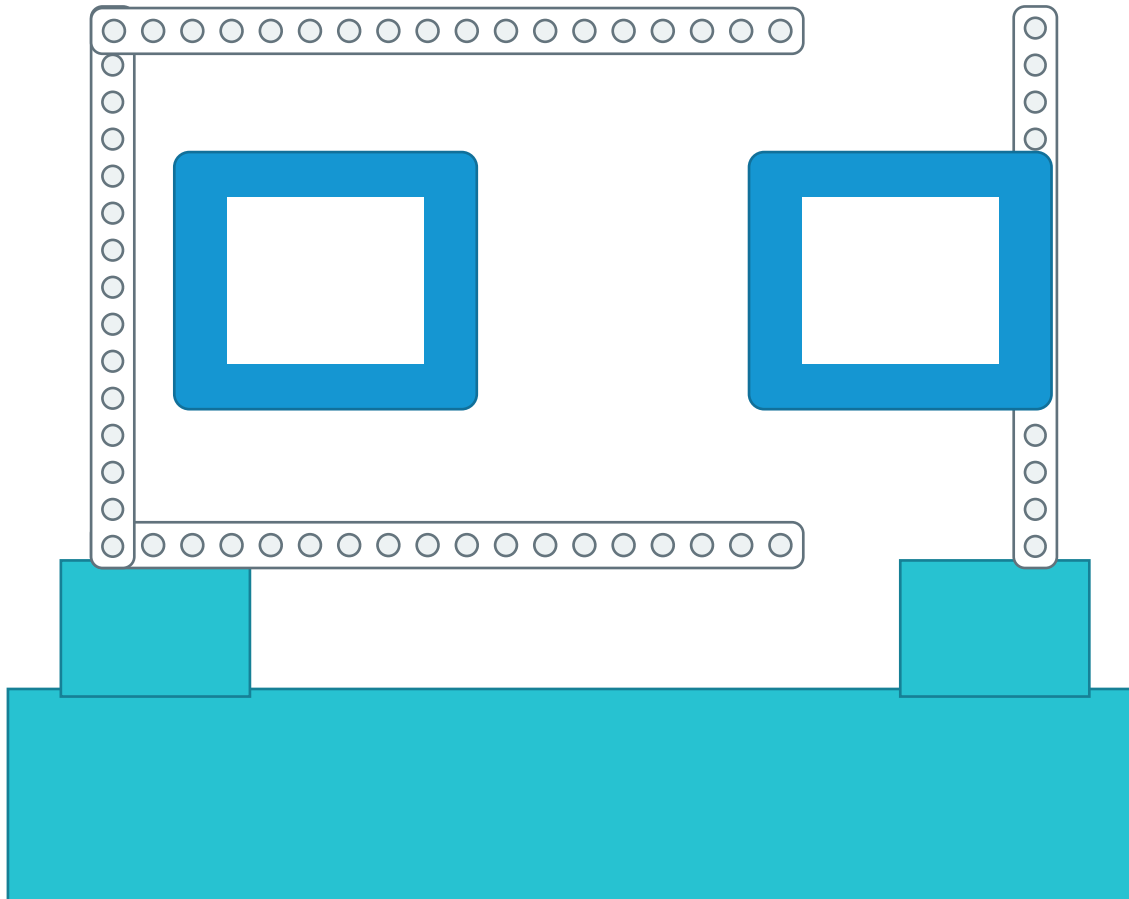
### ADD THIS STEP

1 x top white beam

6

## Add the left and right blue windows

SIDE CHECK



Attach one blue window frame on each side of the central mechanism.

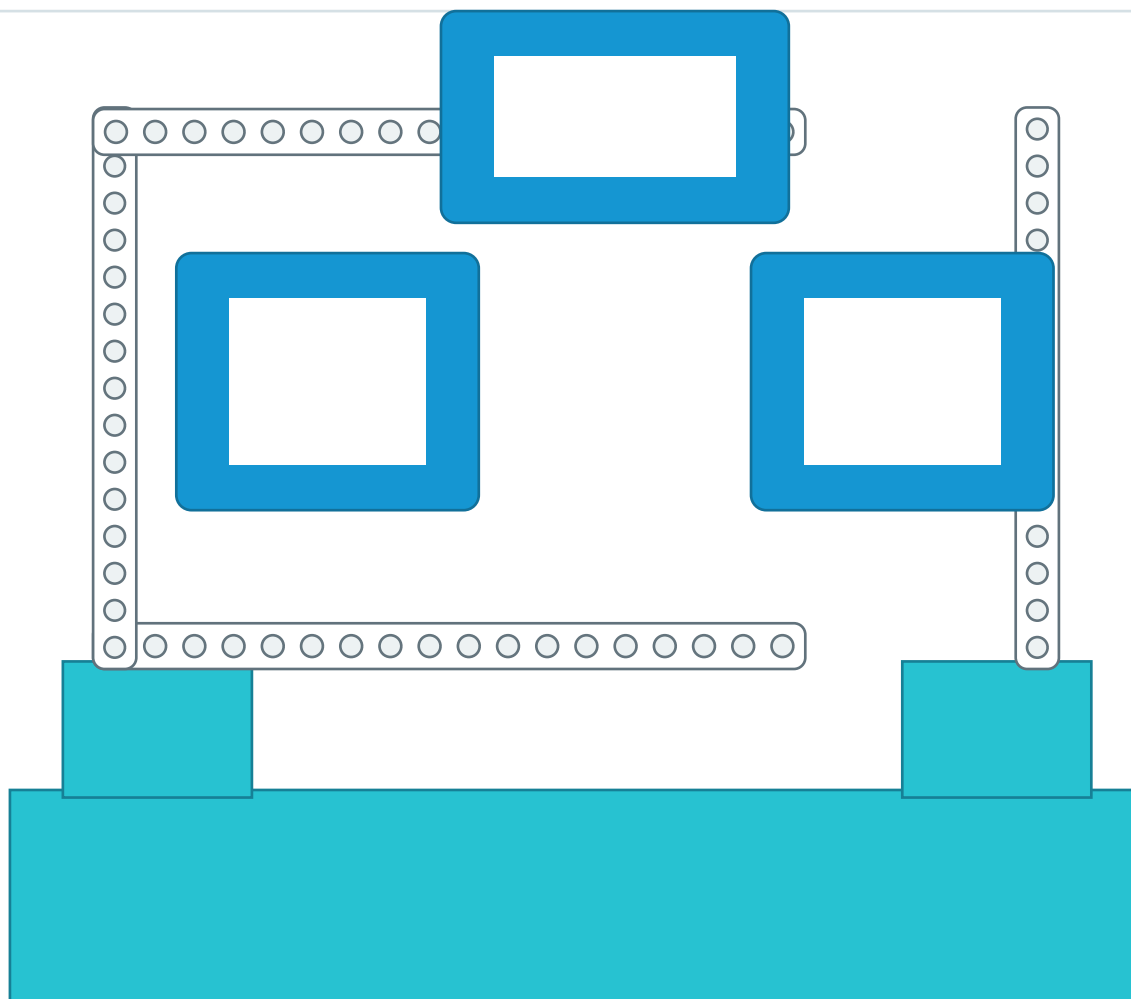


**ADD THIS STEP**

2 x blue rectangular frame

7

## Add the upper blue window



SIDE CHECK



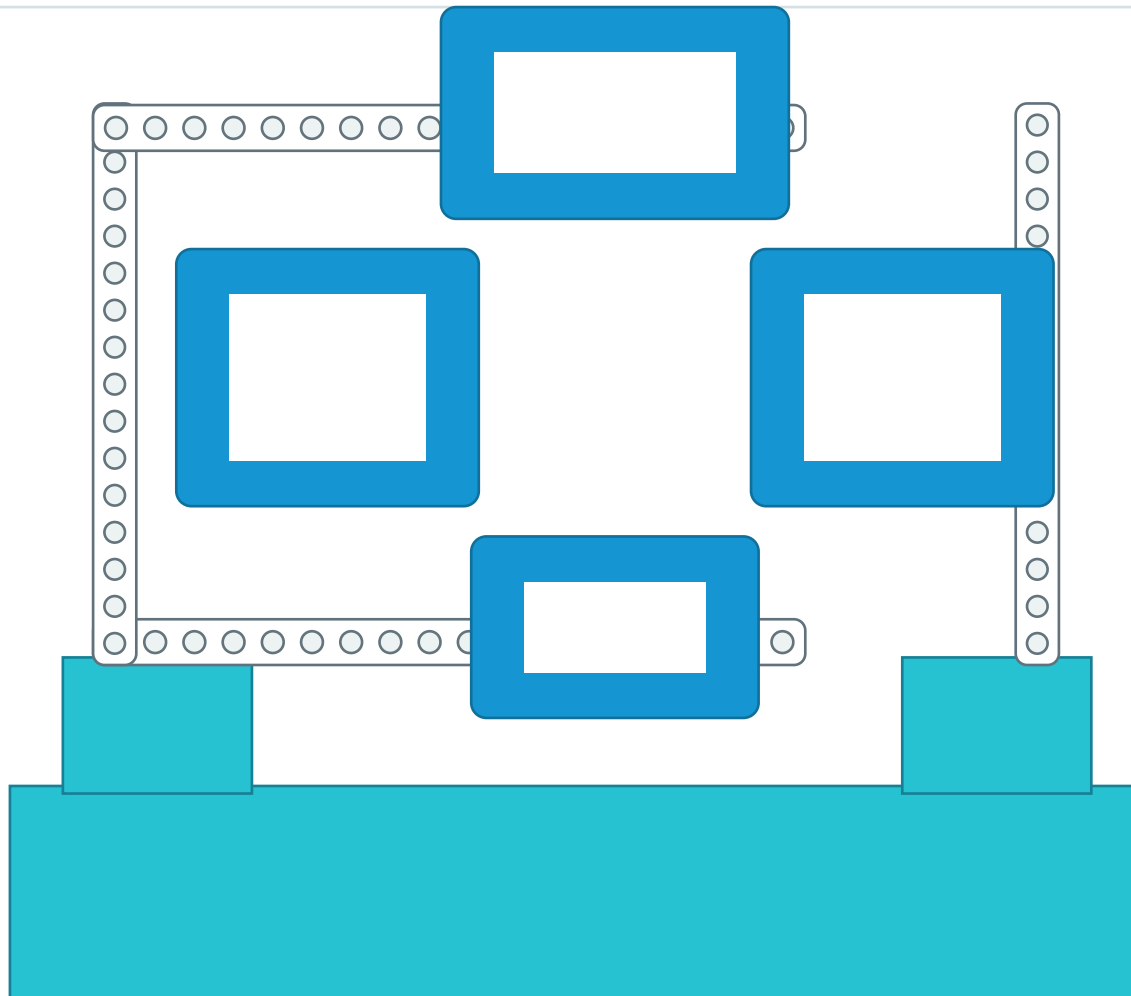
Center the smaller upper window above the gear position.

**ADD THIS STEP**

1 x blue rectangular frame

8

## Add the lower blue window



SIDE CHECK



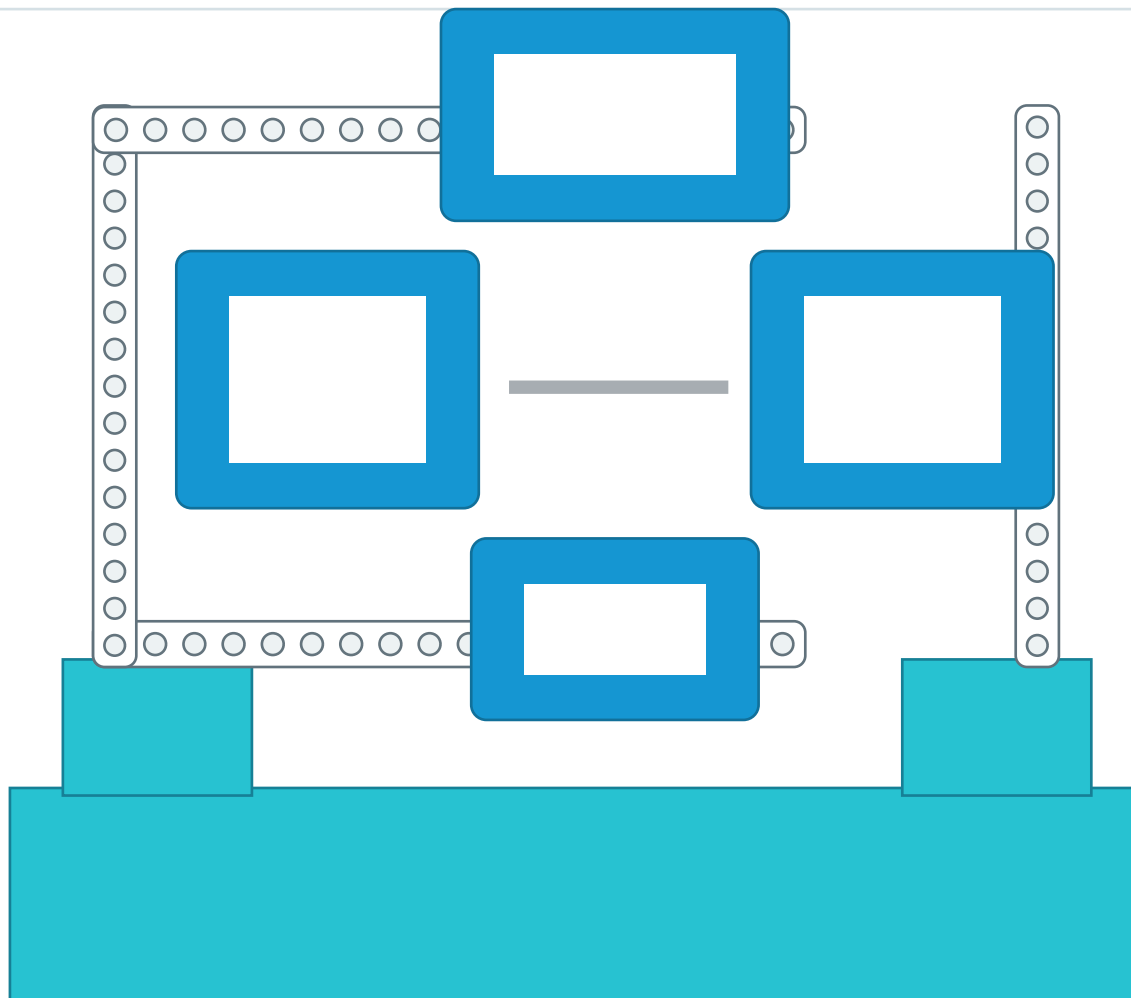
Center the lower window below the gear position.

**ADD THIS STEP**

1 x blue rectangular frame

9

## Build the central gear support



SIDE CHECK



Create the central axle support between the blue windows.

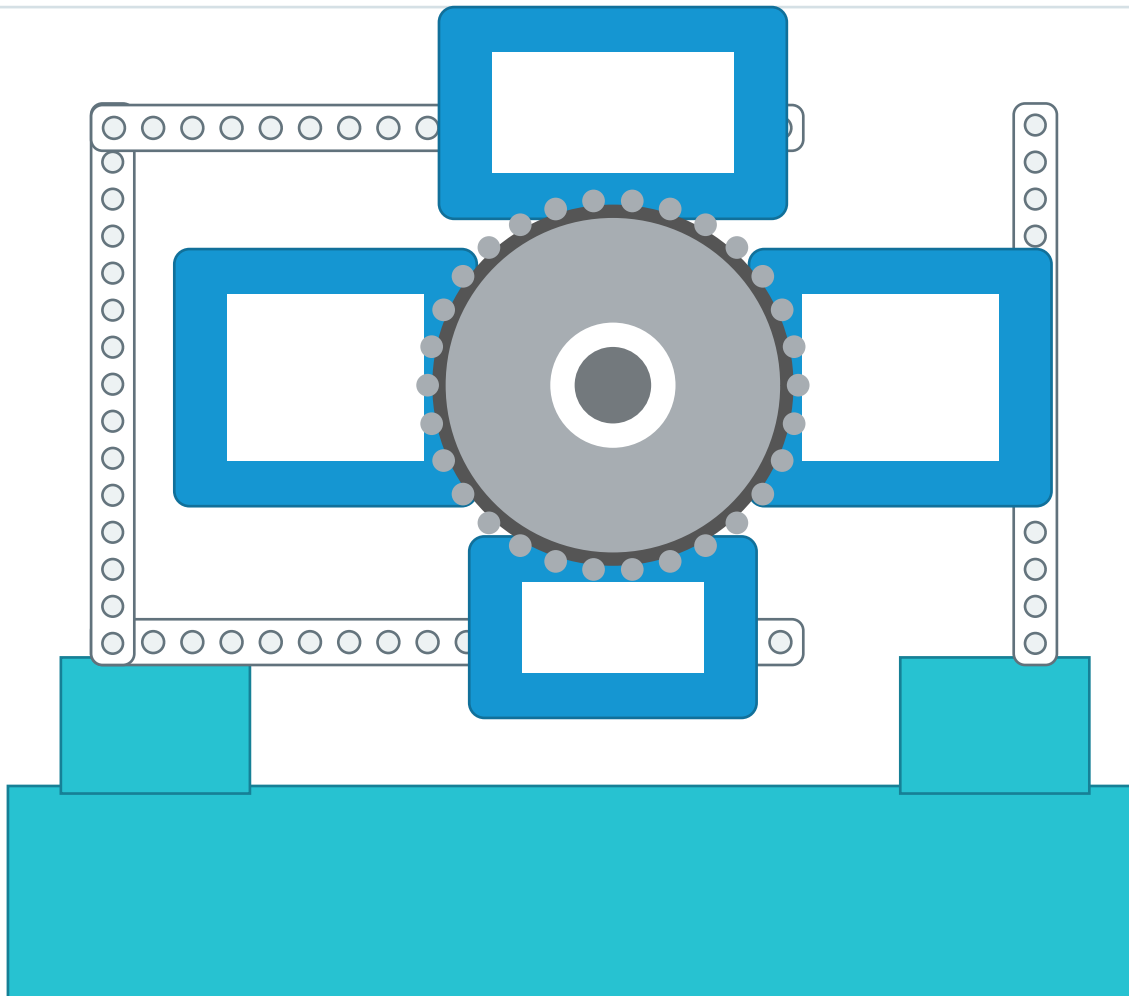
### ADD THIS STEP

2 x white/grey connector

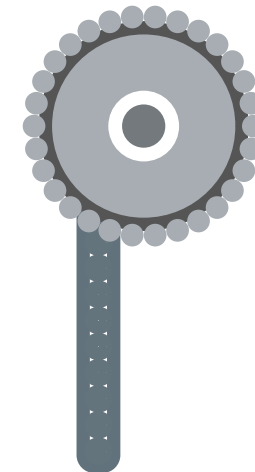
1 x axle

10

## Install the large rear gear



SIDE CHECK



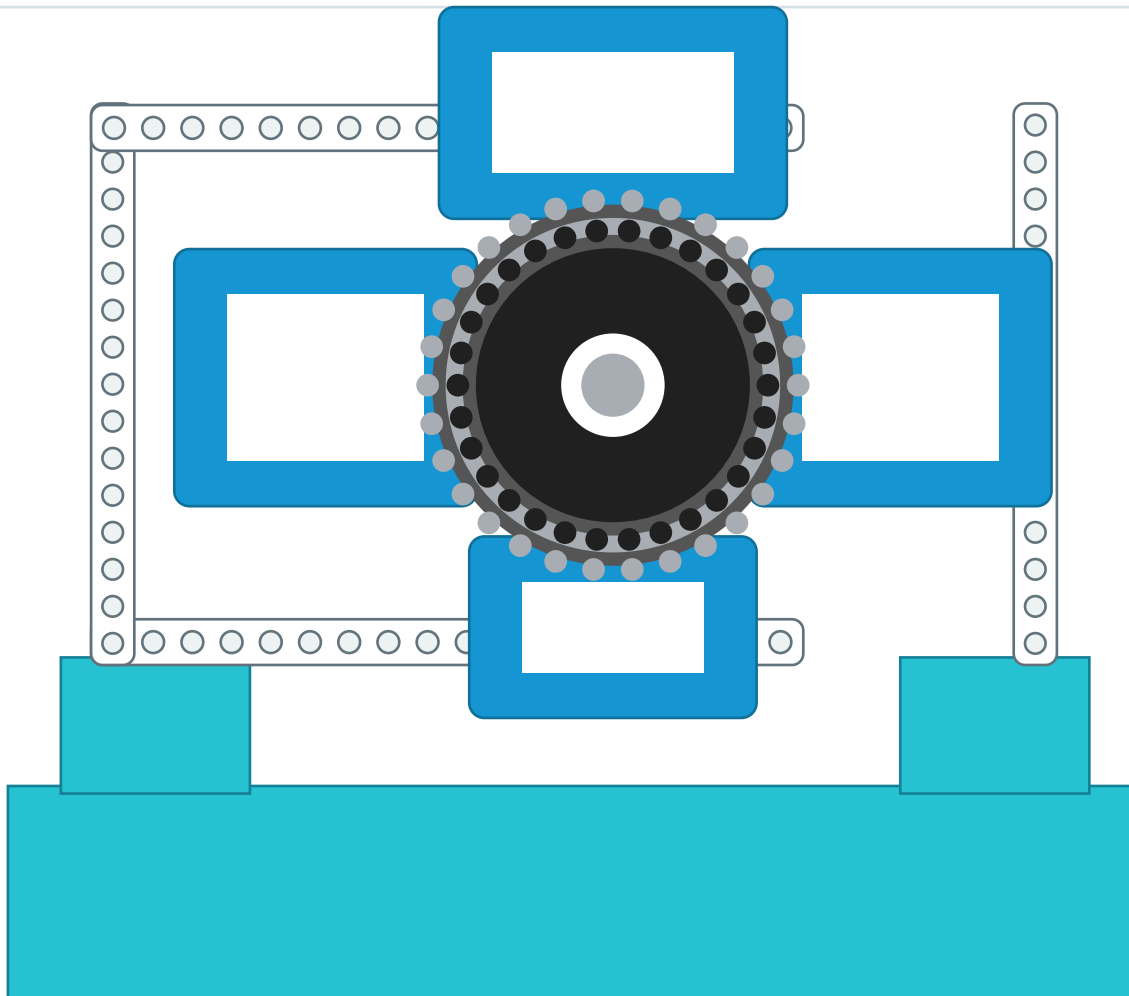
Fit the large grey gear on the central axle. Check that it spins without rubbing the frame.

**ADD THIS STEP**

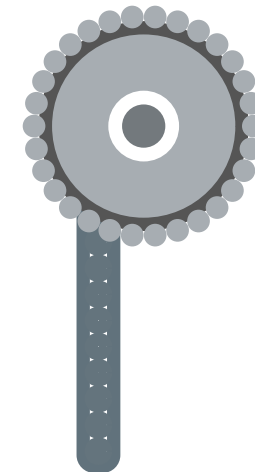
1 x large grey gear

11

## Add the black front gear/ring



SIDE CHECK



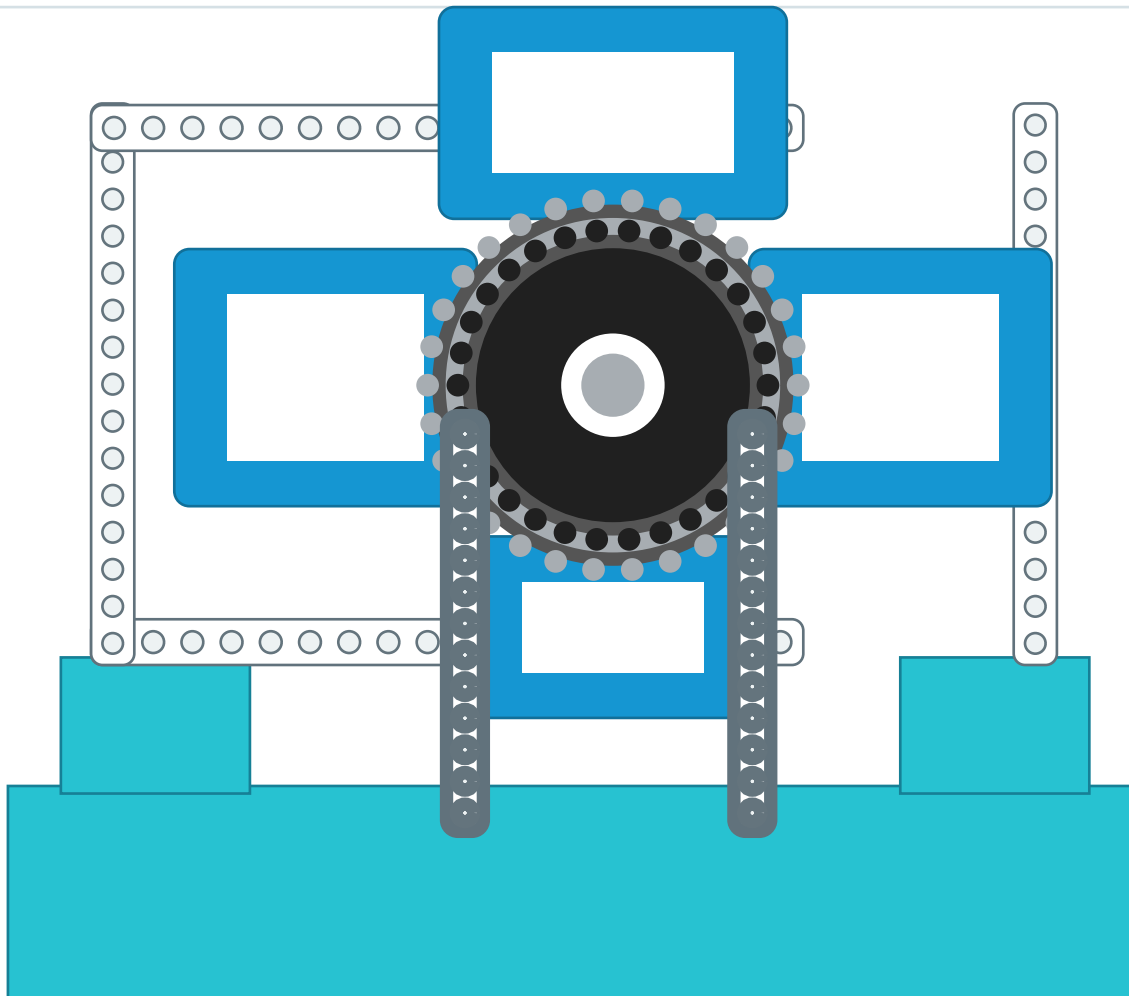
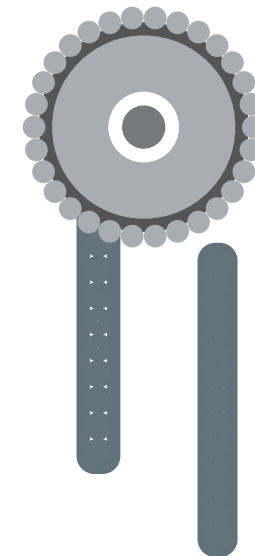
Fit the black gear/ring on the same central assembly as shown in the close-up.

**ADD THIS STEP**

1 x black gear/ring

12

## Build the two long white front arms

**SIDE CHECK**

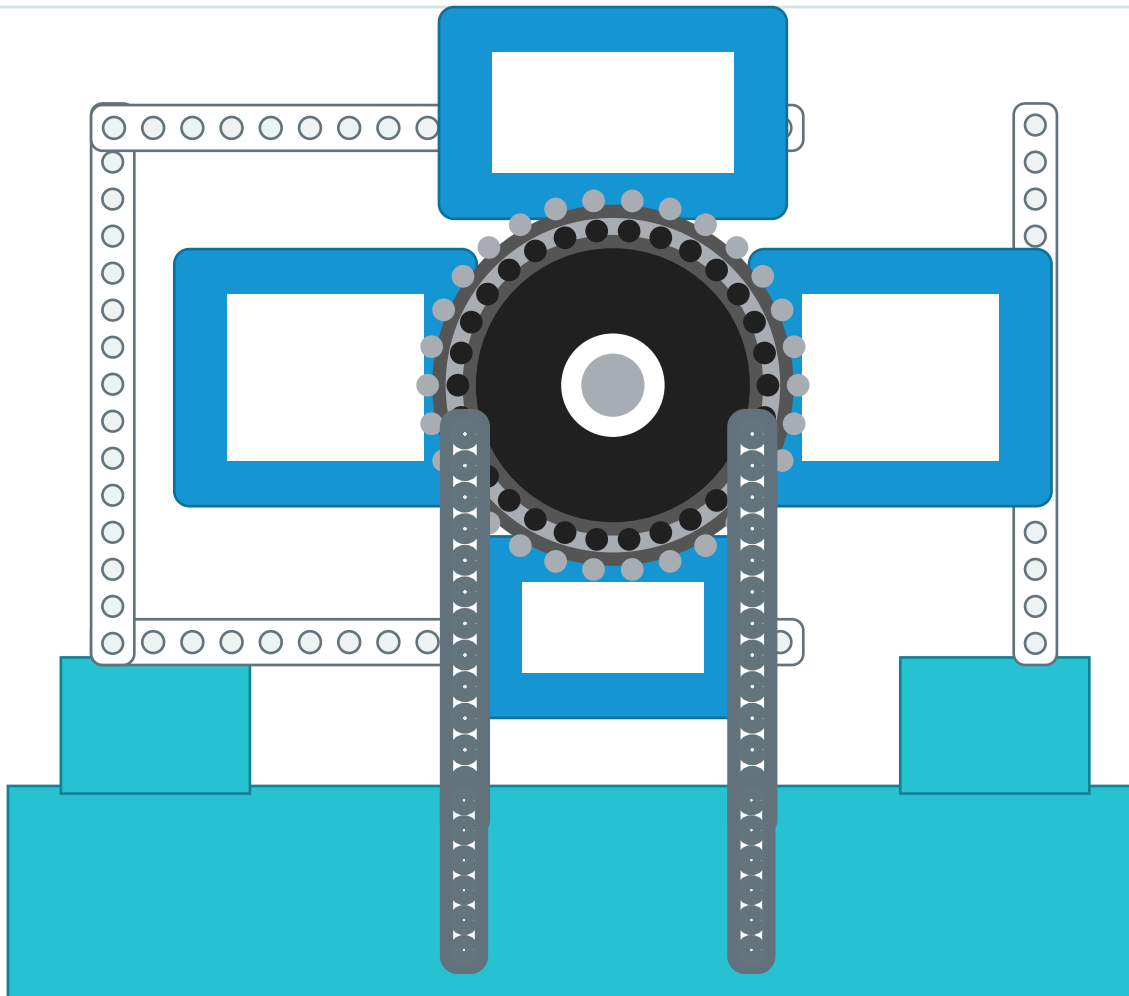
Attach the two long white arms to the central pivot area. They hang down toward the base.

**ADD THIS STEP**

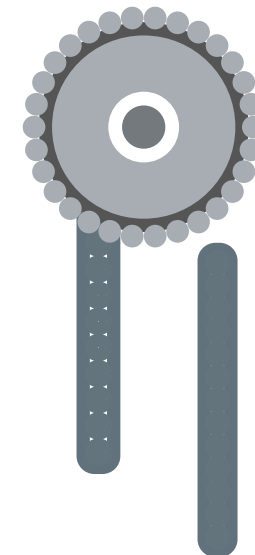
2 x long white beam

13

## Add the lower arm extensions



SIDE CHECK



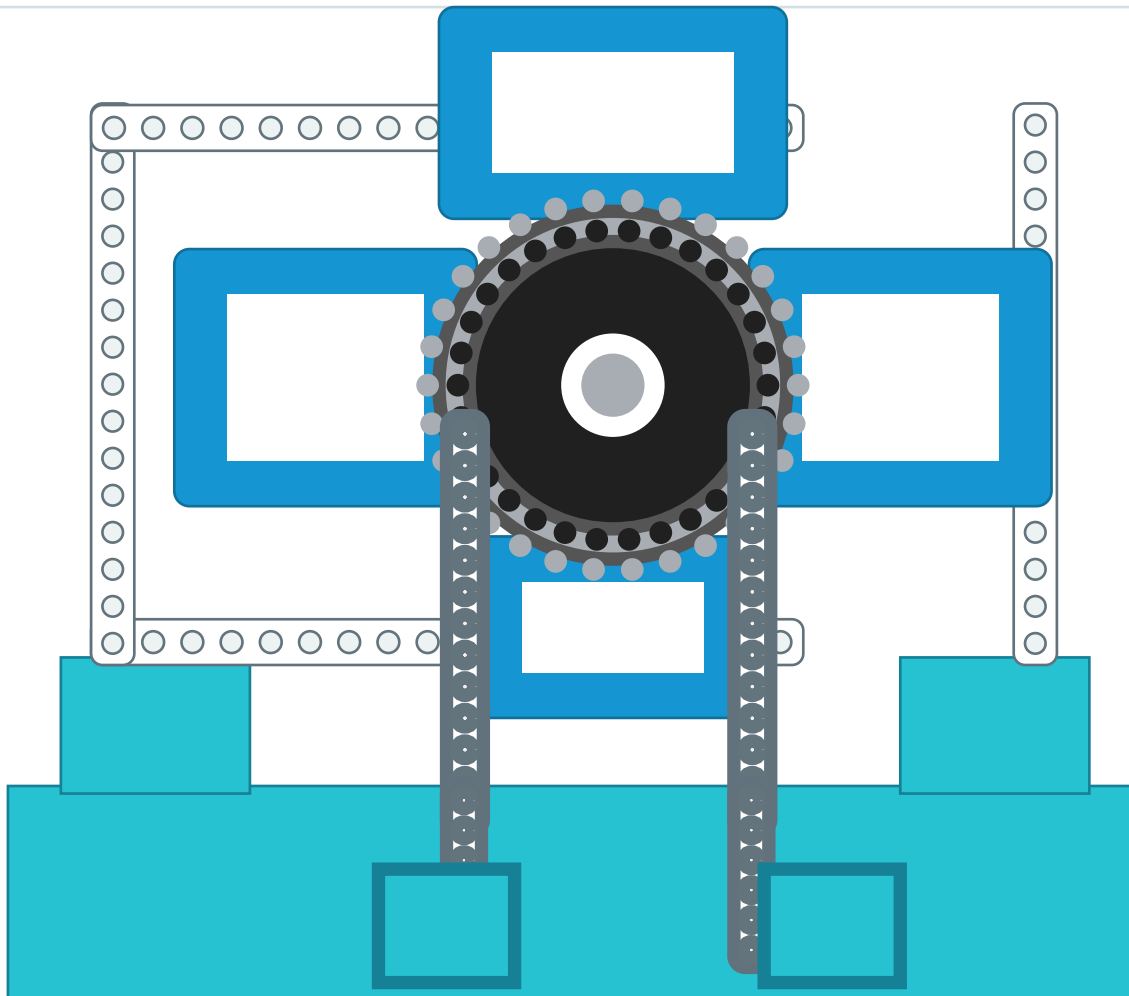
Extend the two front arms downward and slightly forward.

**ADD THIS STEP**

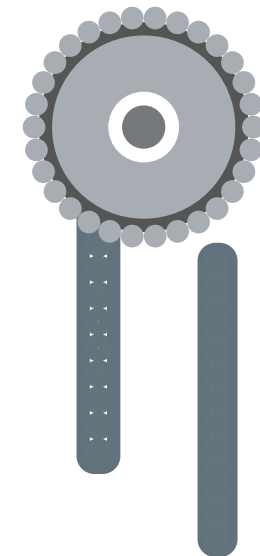
2 x short white beam

14

## Build the front cyan support blocks



SIDE CHECK



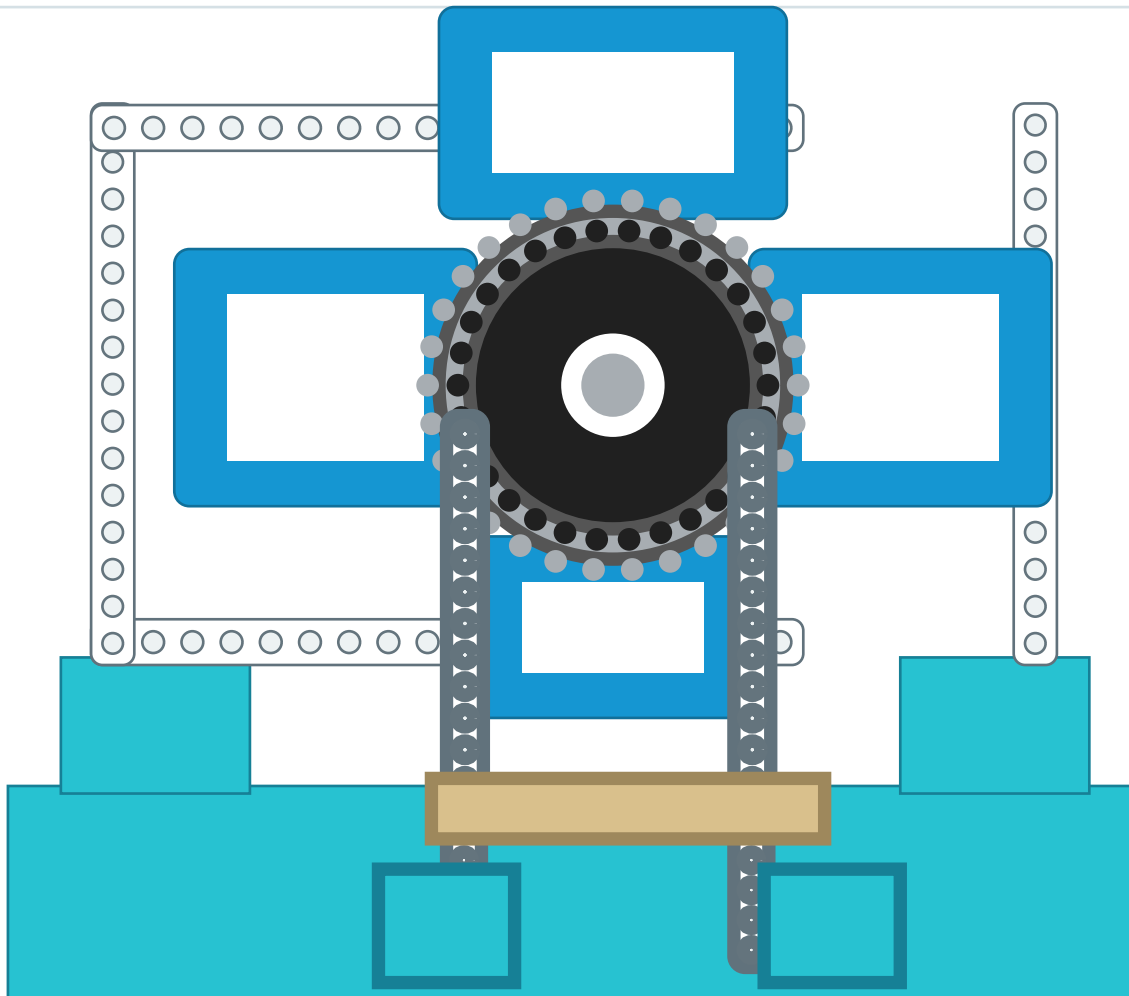
Build the two small supports at the front of the base.

**ADD THIS STEP**

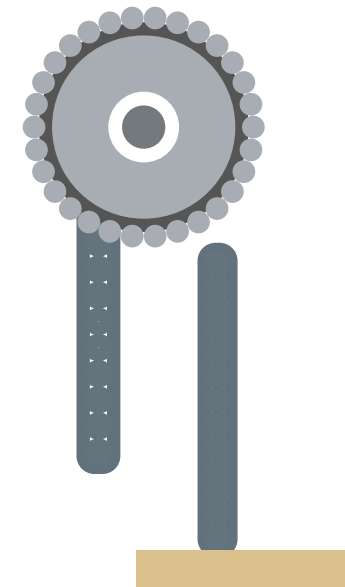
2 x cyan/blue block

15

## Add the tan crossbar/step



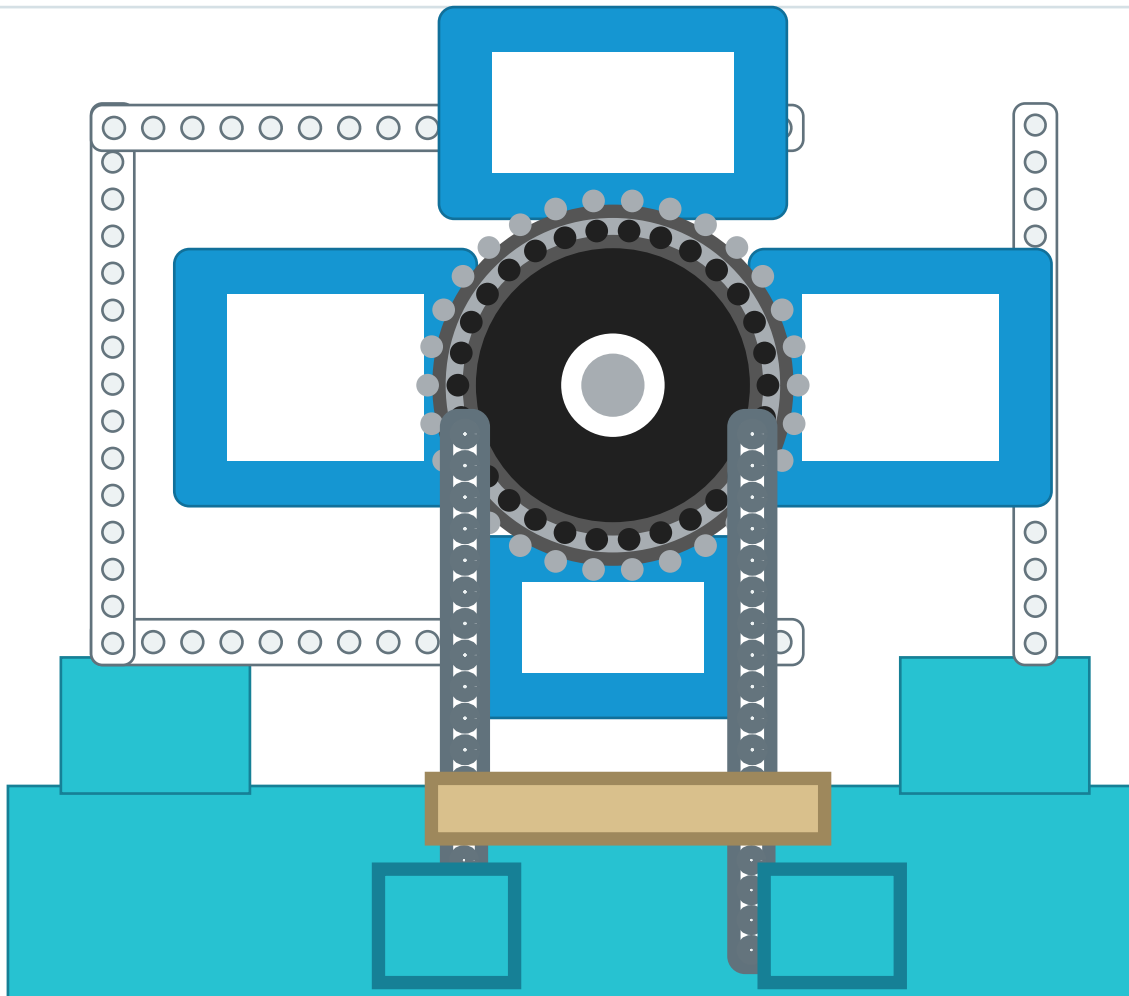
SIDE CHECK



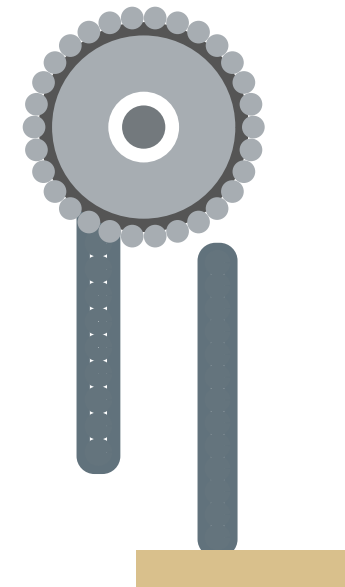
Bridge the two front supports with the tan plate.

ADD THIS STEP

1 x tan plate



## SIDE CHECK



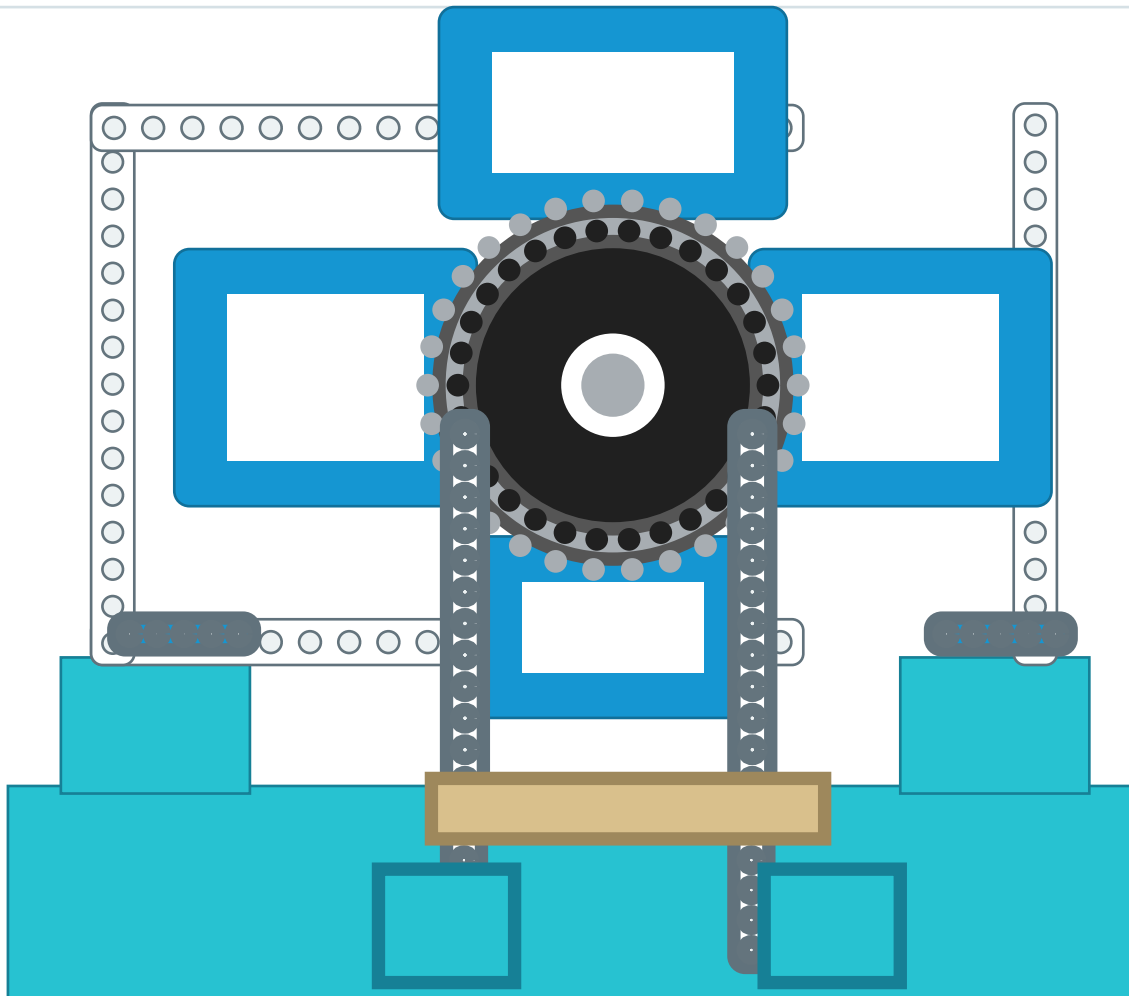
Move the two white arms gently. They should clear the tan crossbar and base.

## ADD THIS STEP

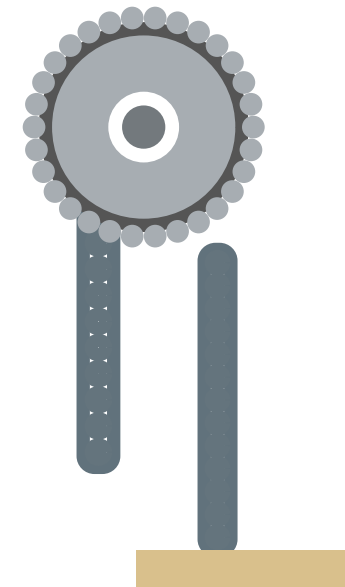
0 x new parts

17

## Fit the inner side braces



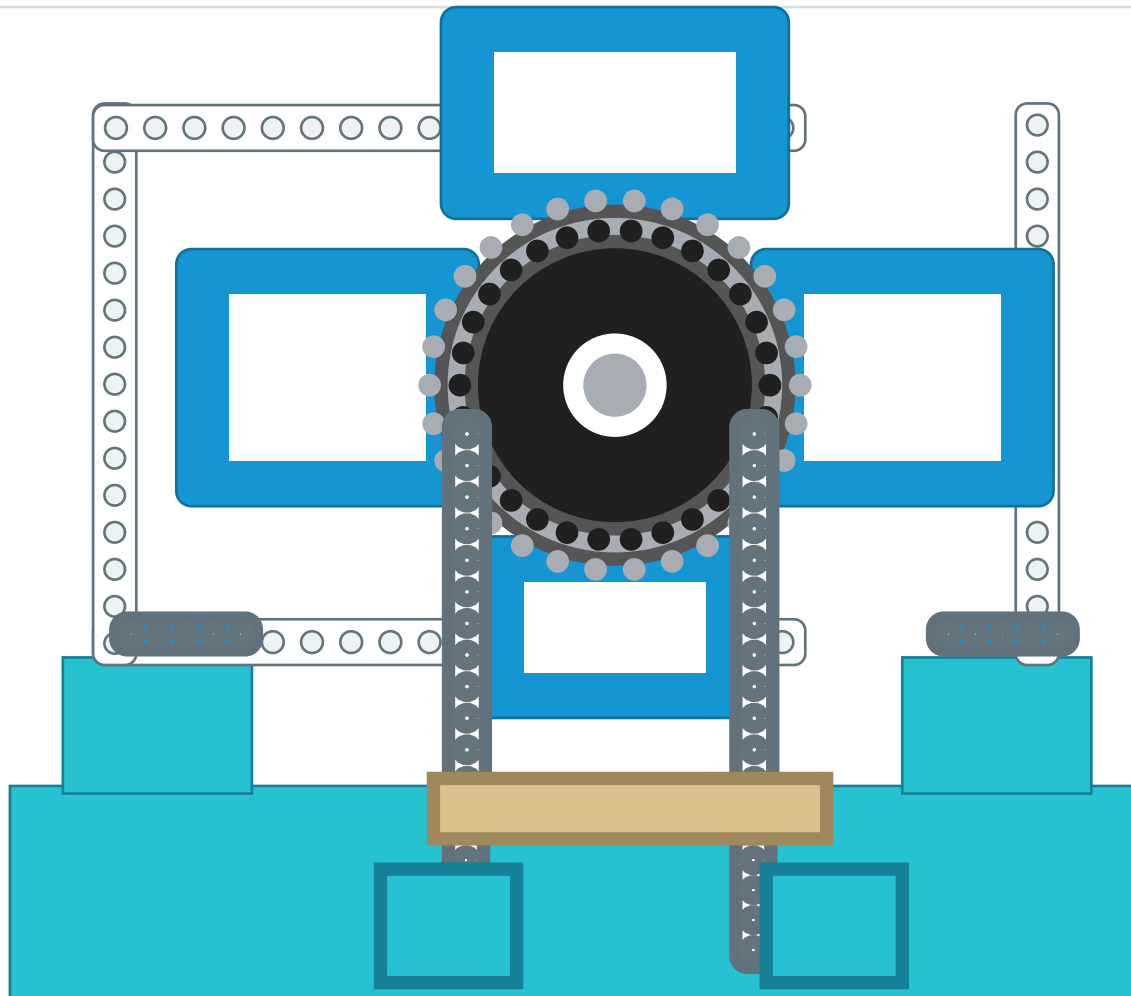
SIDE CHECK



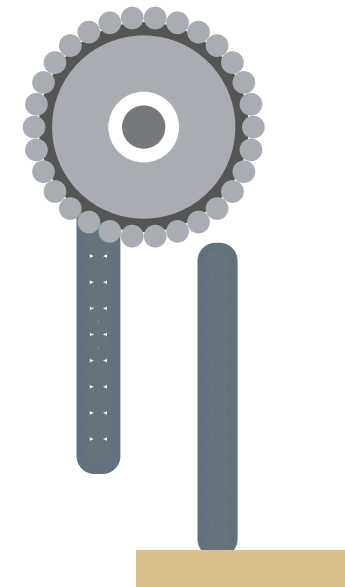
Add the short blue braces inside the left and right lower corners of the outer frame.

**ADD THIS STEP**

2 x blue short beam



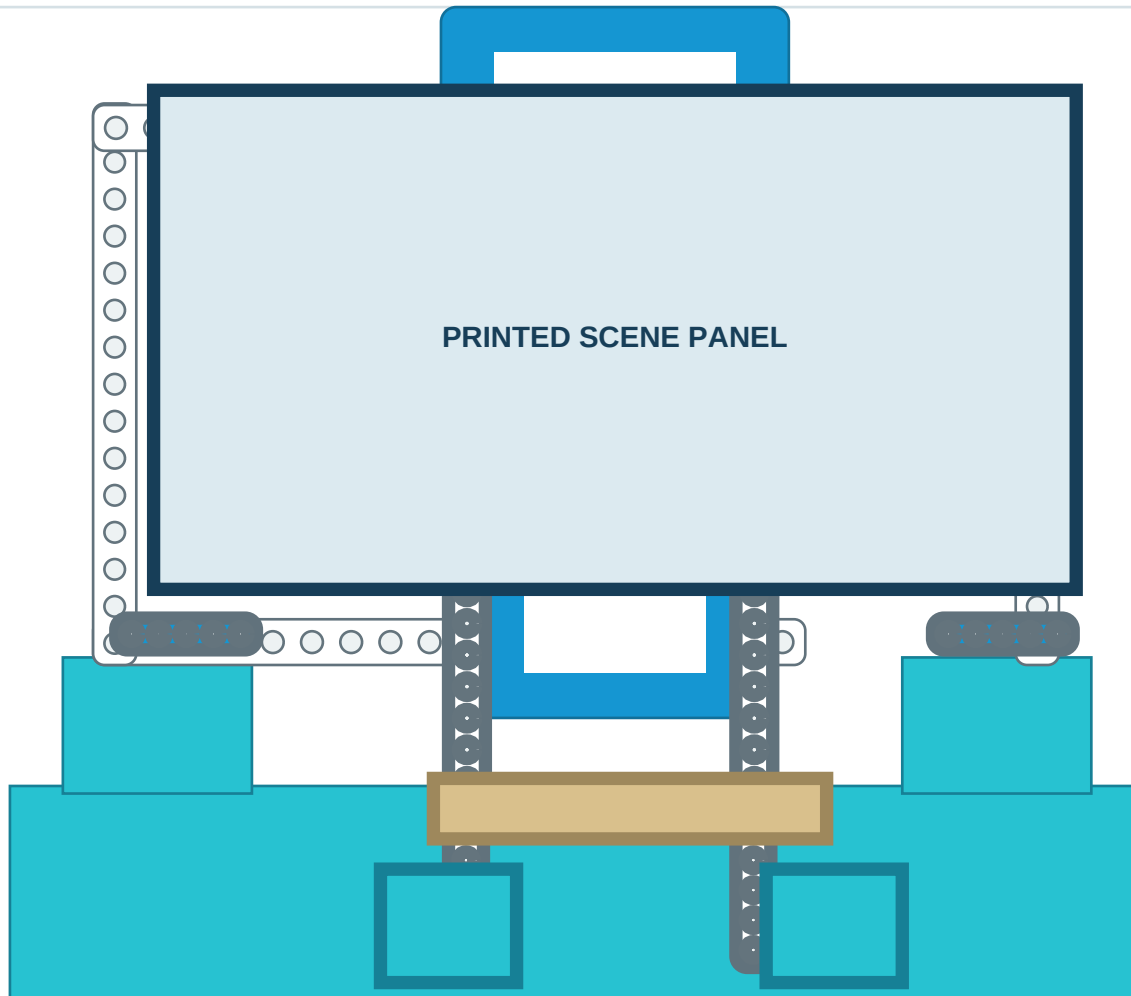
SIDE CHECK



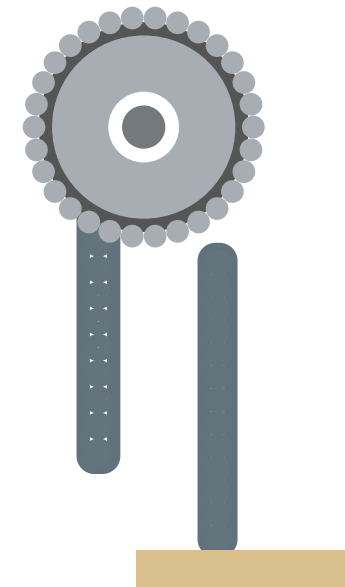
Prepare the left and right support points that hold the printed scene card.

**ADD THIS STEP**

2 x panel support



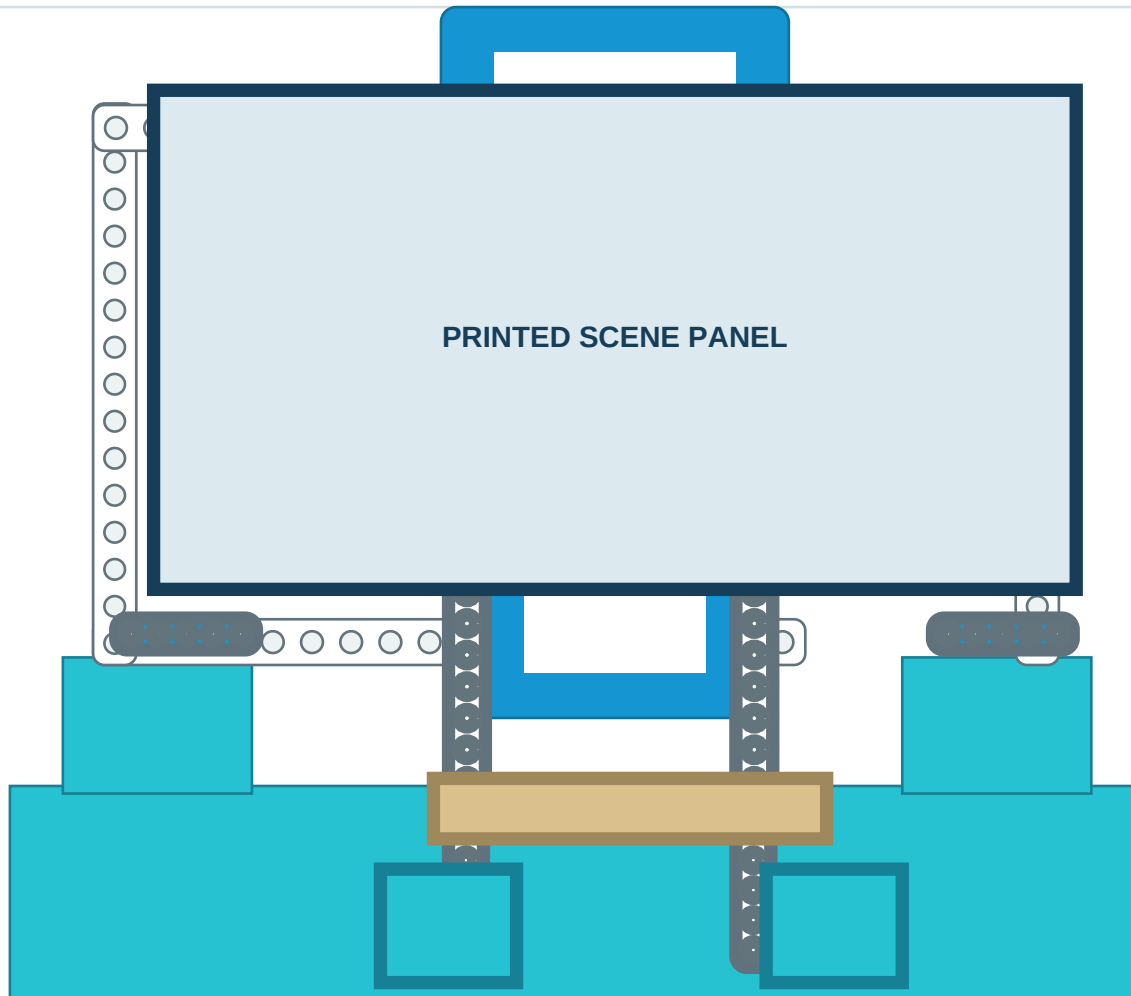
SIDE CHECK



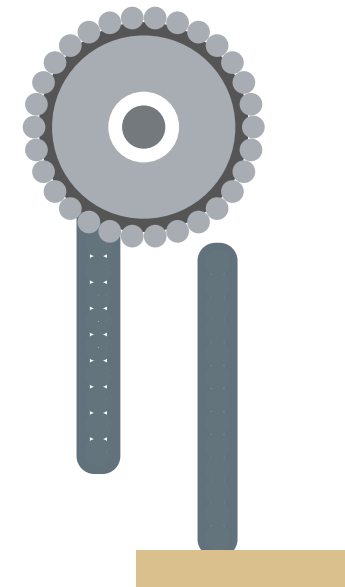
Attach the printed scene panel squarely across the front. Do not let it touch the rotating gear.

**ADD THIS STEP**

1 x scene panel



SIDE CHECK



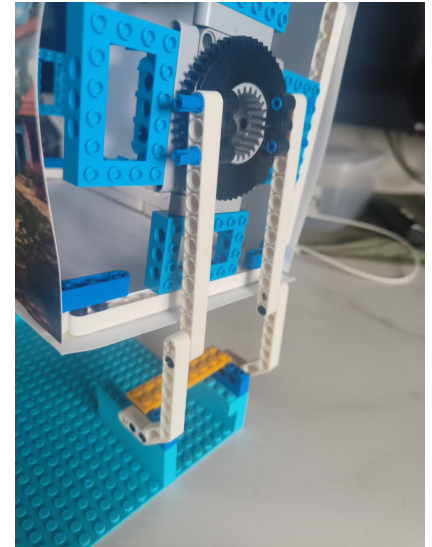
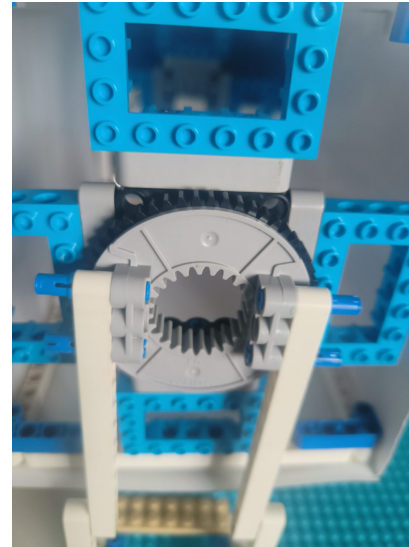
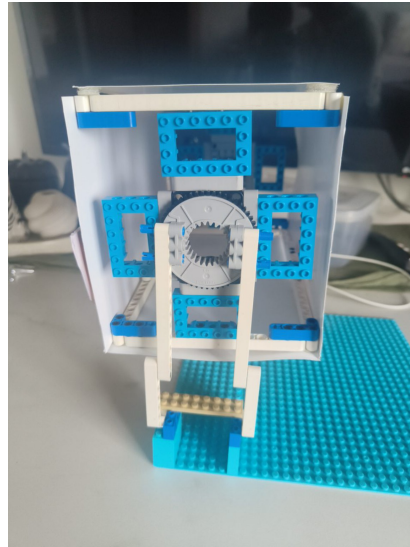
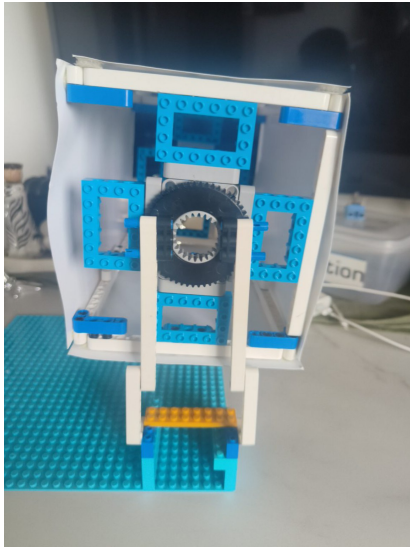
Rotate the central gear by hand. Check that the axle is straight, the arms move freely and the frame stays rigid.

**ADD THIS STEP**

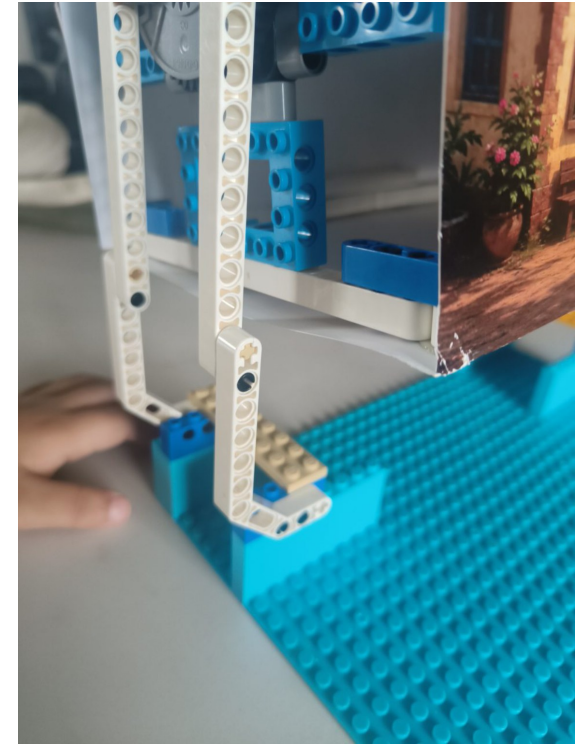
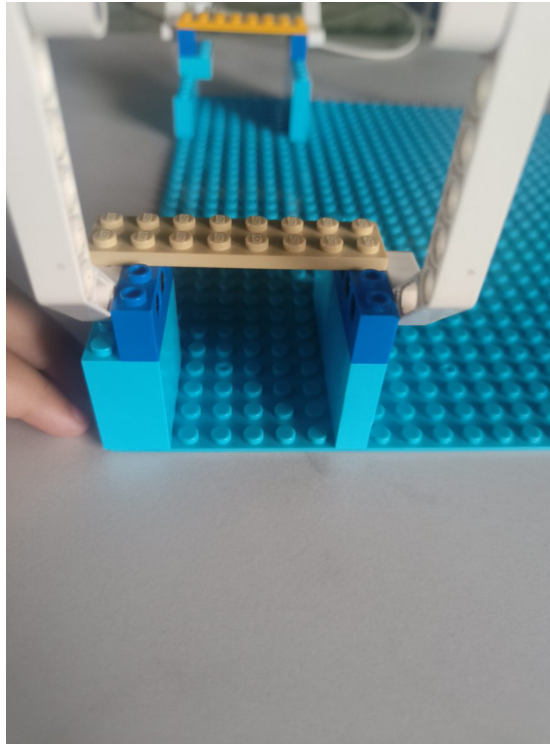
0 x new parts

R1

## Reference views - frame and mechanism



Use these views to check the central gear, blue window-frame positions and the long white front arms.



Check the front support blocks, tan crossbar, outer frame corners and scene-panel attachment against these photographs.