



Sneak peak

Make the most out of your kit	04
Innovator's oath	06
Explore your kit	07
Armour check	13
All About Axles	16
Project 1: MEX mobile	17
Project 2 : Crane	37
Project 3 : Snow Sweeper	52
Project 4 : Forklift	69
Project 5 : Dobby	85
Troubleshooot & help	104

Make the Most Out of Your Kit

Innovate



Take the Innovator's Oath

Take the innovator's oath mentioned on page 6 and understand what it means to be an innovator.



Learn using Manual/Videos

Follow detailed instructions in the manual and learn how to build exciting robots with your kit.



Build, Code & Control

Build innovative projects using your kit, and control the Robots using Avishkaar Remote and Code using Avishkaar Maker Studio.

Share ----- Win



Join Let's Avishkaar

Join our FB community connect with innovators and get latest updates on webinars.



Upload Projects

Upload projects on www. avishkaar.cc and share them with innovators globally.



International Competitions

Participate in weekly, monthly and annual competitions and win glory globally.







Innovator's Oath

Take the Innovator's Oath below to pledge yourself to lifelong commitment towards Innovation and Problem Solving. Share a photo on the Let's Avishkaar FB Community.

I (write your name)

solemnly swear that, since I am now on the path of innovation,
I will not give up until my innovation, my project is ready.
I will hone my skills and tools and use them well. Innovation and I will be inseparable.
I will always share my innovations with other innovators and learn with them.

Your Signature



Welcome to Avishkaar

Download the Avishkaar App

Download the Avishkaar App by scanning the QR codes below:









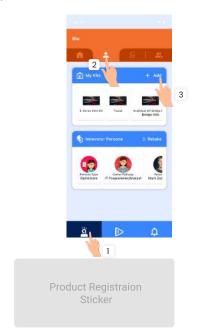
1 Create an Account

Open the app and follow the on-screen steps to make an account.

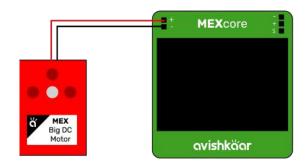


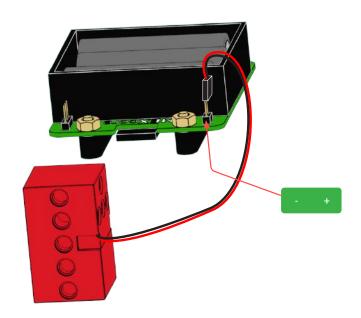
2 Register your Kit

Go to the 'Profile' section in the app and click on '+ Add More' in the 'My Kits' section to register your kit. This step is important to control your robot later.



How to connect the motor to MEXcore





App Control

Insert the batteries in the MEXcore and turn it ON. You will notice the MEXcore LED blinking in green color.

Note - Use AA alkaline cells only. (Any other type of cells can damage the MEXcore.)





Turn ON the bluetooth on your phone.





Open the Avishkaar App and click on the 'Play' button inside the 'Home' section.

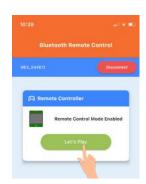


Click on 'Connect'. Your app should be able to find your MEXcore if it is turned ON. Click on 'Connect' once your app detects your MEXcore.



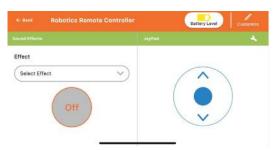


5 Click on 'Let's Play' and select 'MEX Robotics Starter kit' in the kit selection menu.





The remote control screen will open up which will allow you to control the LEDs motor and sound of your Tusker. Have fun!



Configure

Sound effects



Joystick





Armour Check

Box 1 (Electronics)





Avishkaar MEXCore x 1

MEX big DC motor x 1

Box 2 (Construction parts)

BEAM



15H Beam x 1



11H Beam x 2



9H Beam x 6

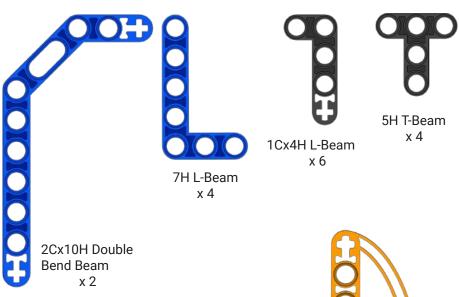




7H Beam x 5



Note: 'H' stands for holes. Eg. 15H beam means beam with 15 holes.





2Cx1H Thin-Beam x 2



1Cx1H Beam x 2



3Cx2H Thin-D x 2



3Cx4H Thin-D x 2

PINS











Long Pin-Blue x 12

Long Pin-Yellow x 2

Medium Pin-Black x 26

Medium Pin-Grey x 4

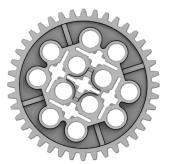




Short Pin-Yellow x 2

Note: 'Note: 'C' stands for 'Cross'. Eg - '1CX4H L-Beam' has one cross and four holes.

GEAR



Spur Gear-40T x 1



Spur Gear-8T x 2



Worm Gear-Big x 1

CONNECTORS



3Hx4 Pin Connector x 2

FILLERS



Axle Filler- Big x 14



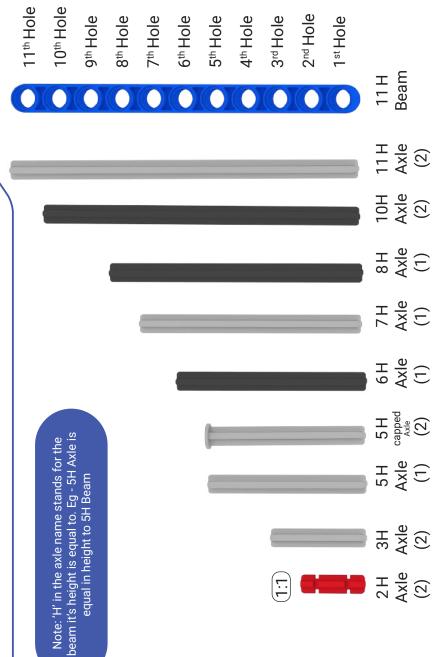
Axle Filler- Small x 6

WHEEL



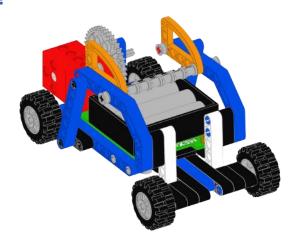
Wheel x 4

All About Axles

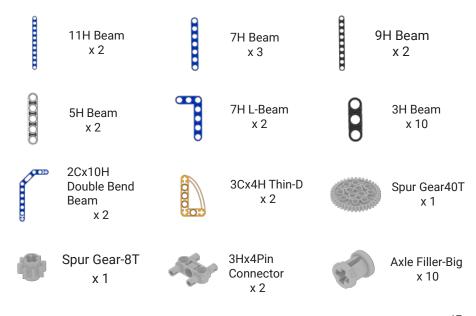


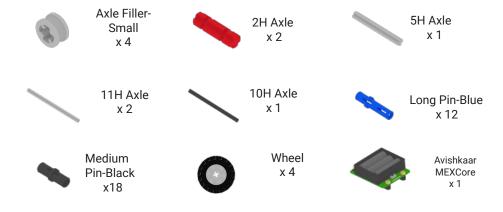
Project: MEX mobile

Let's Build!

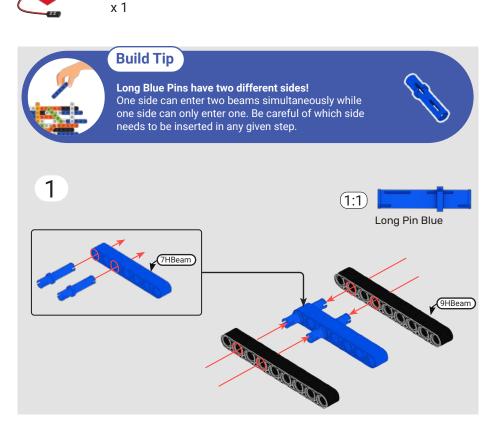


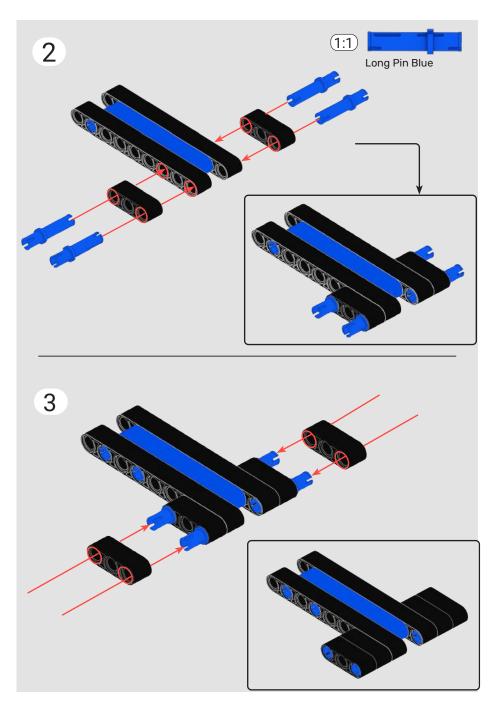
Things we need

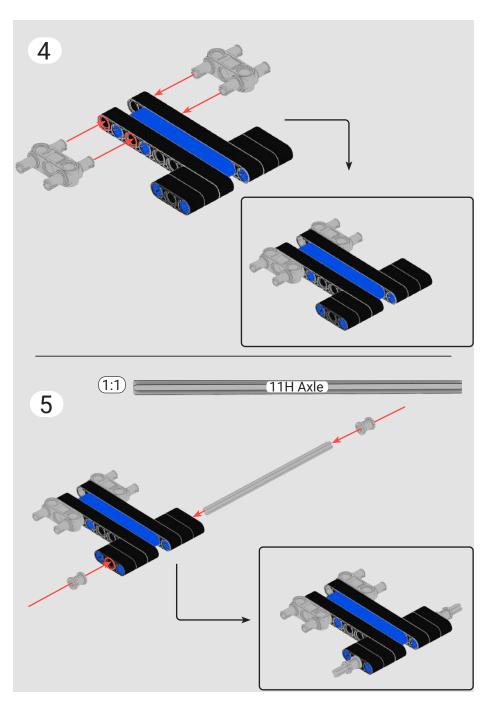


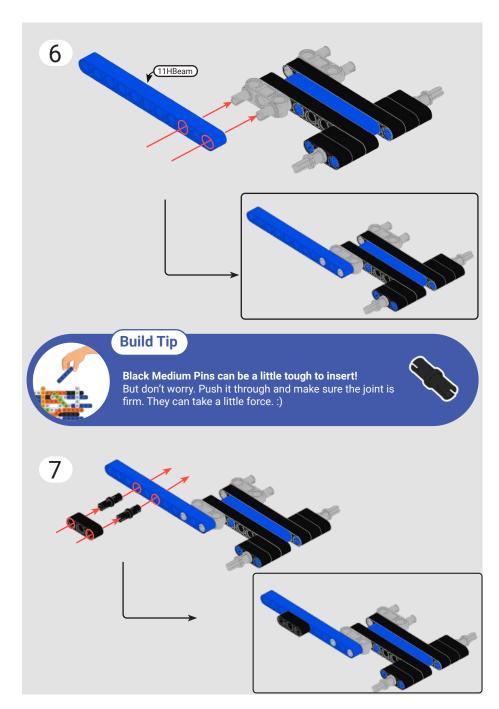


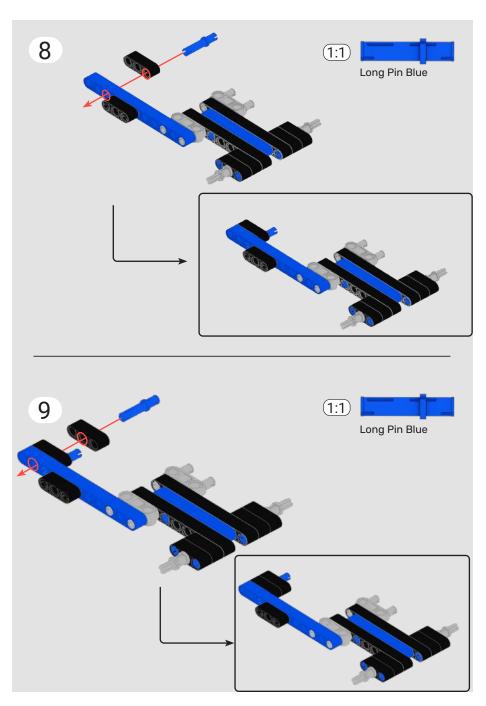
MEX big DC motor

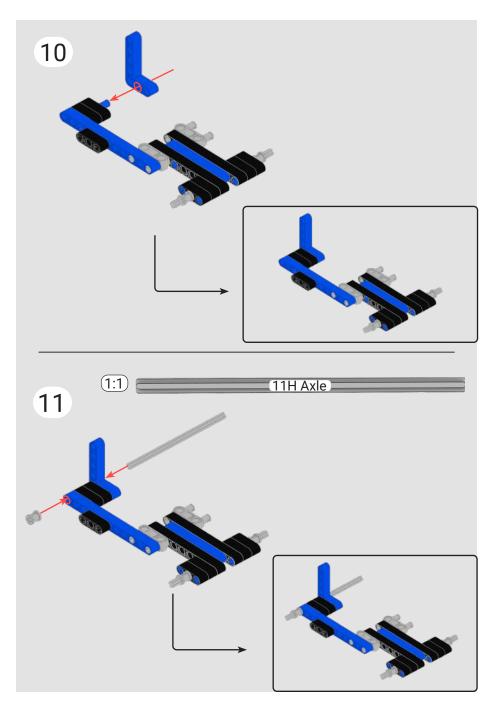


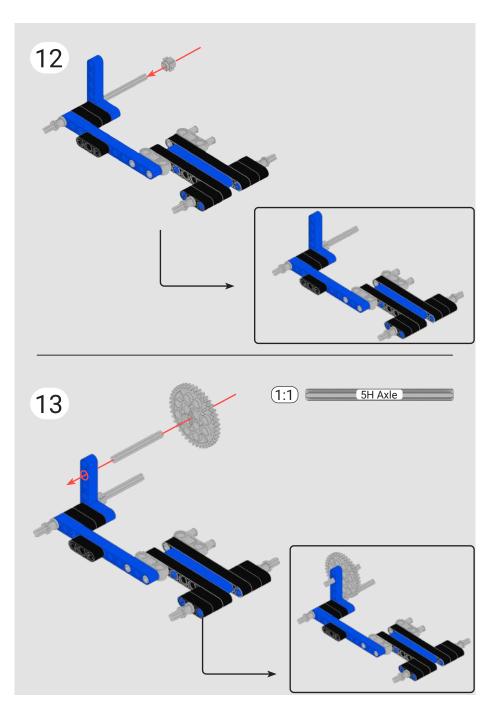


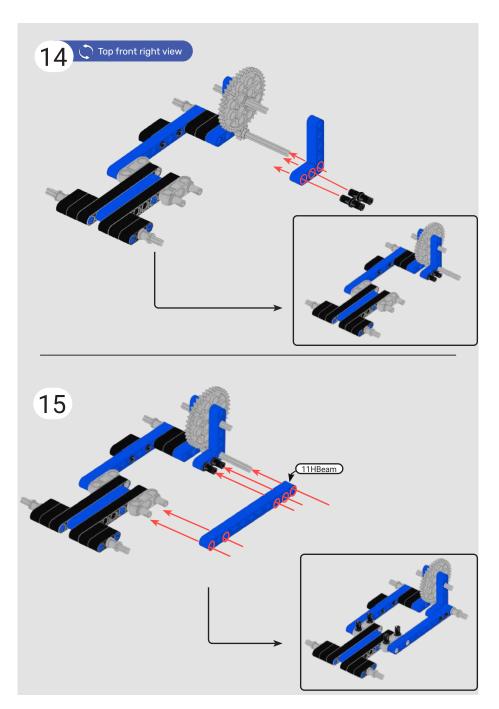


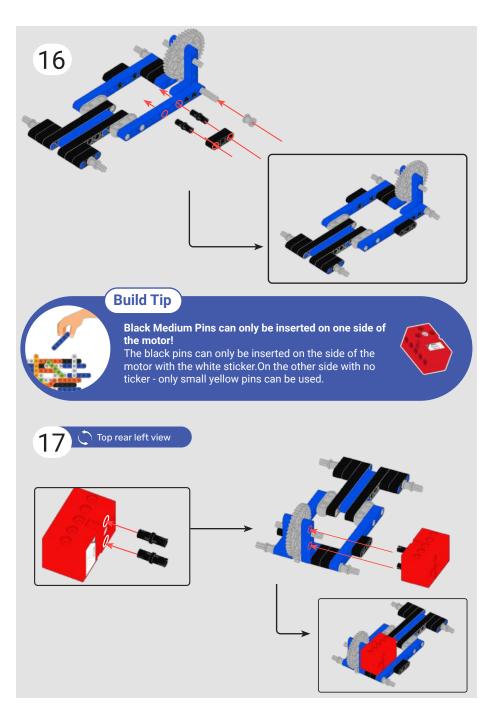


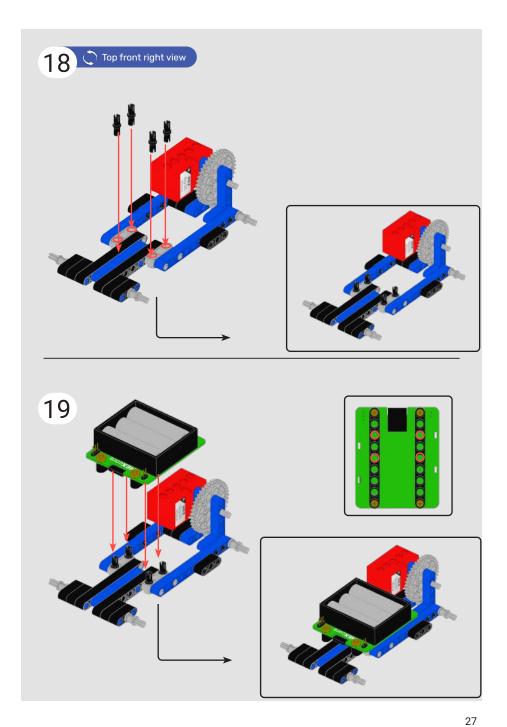


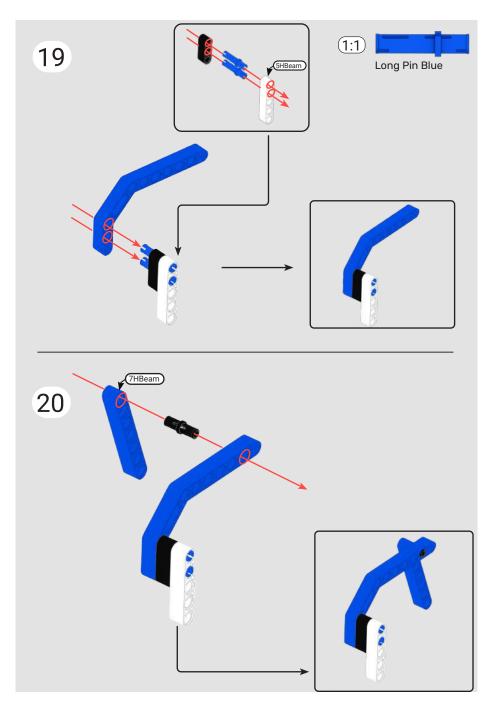


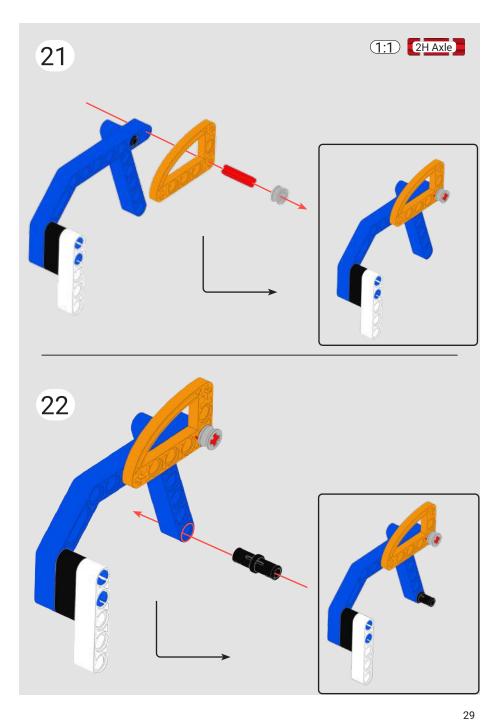


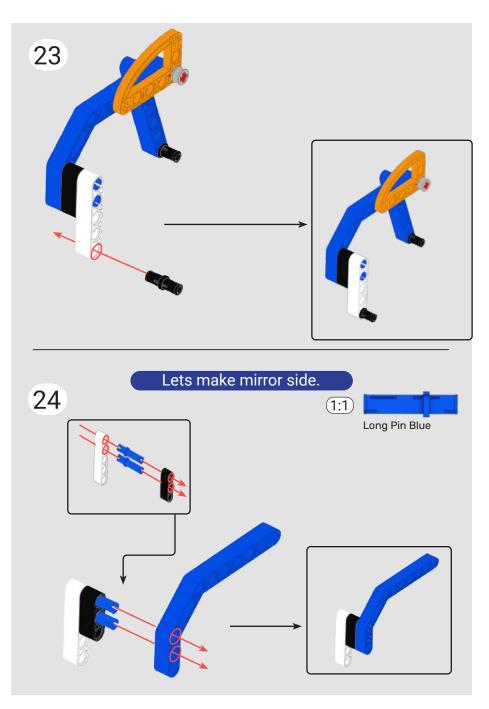


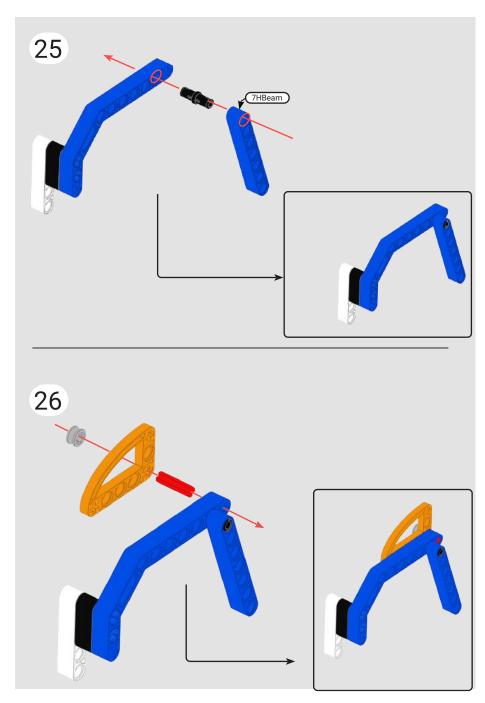


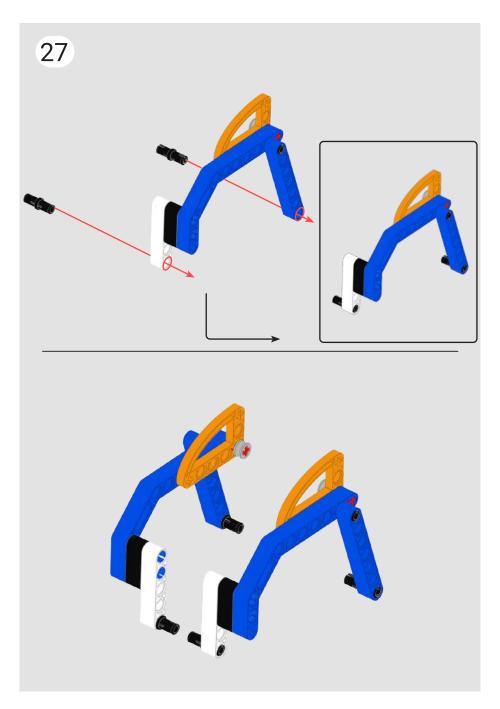


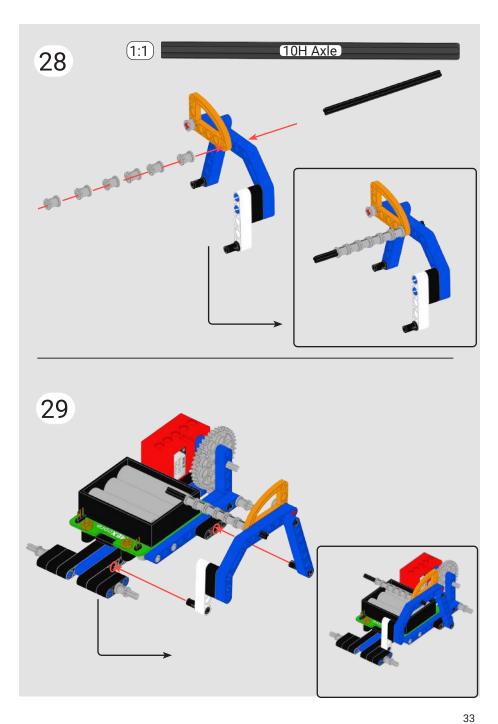


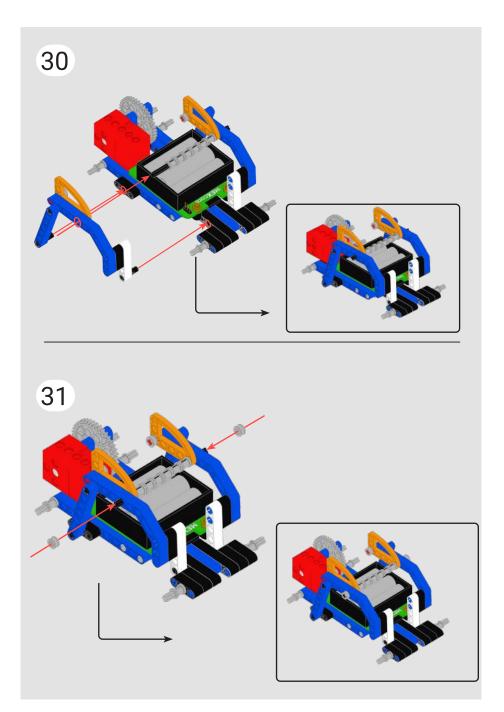


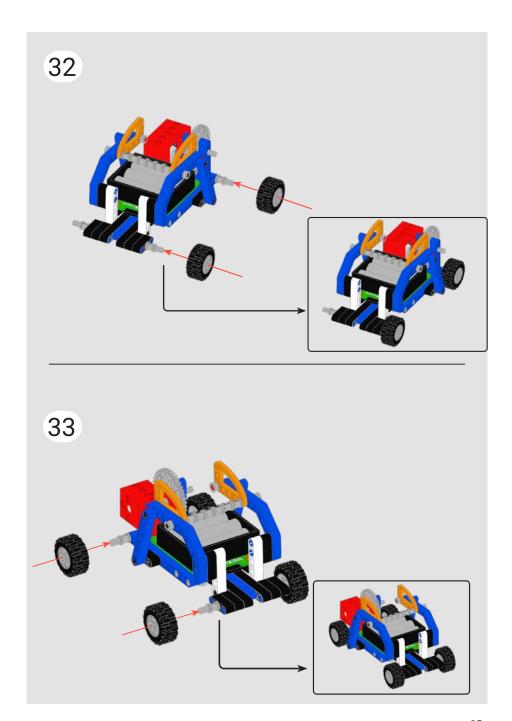












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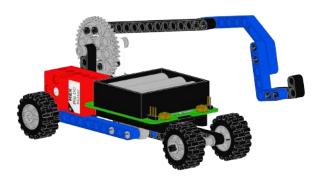
Explore all other badges to be collected and win them all!



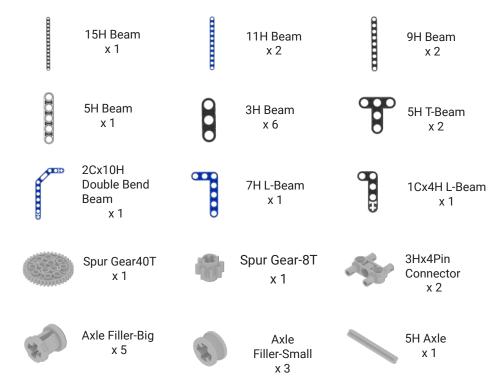


Project 2: Crane

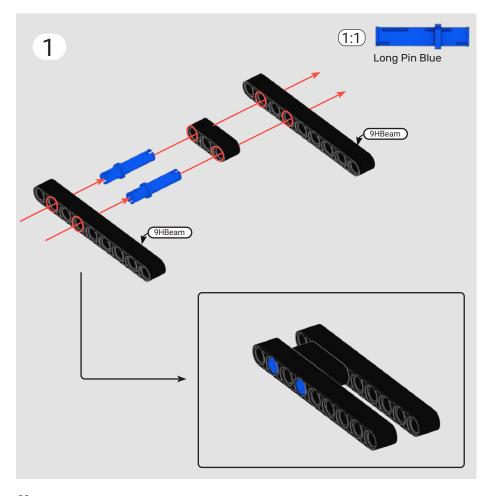
Let's Build!

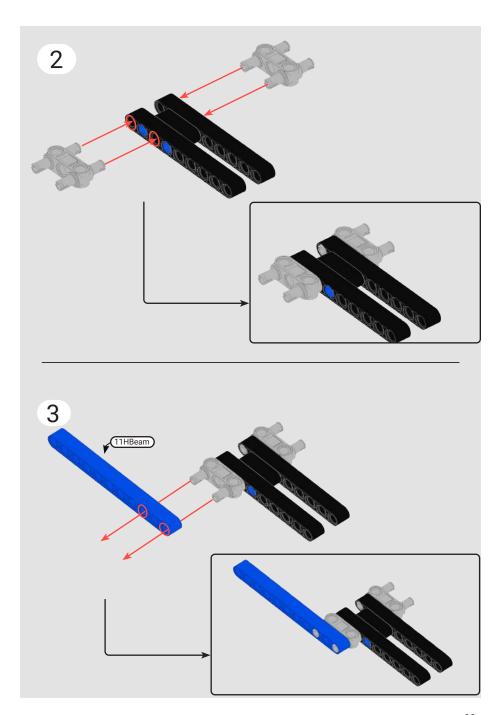


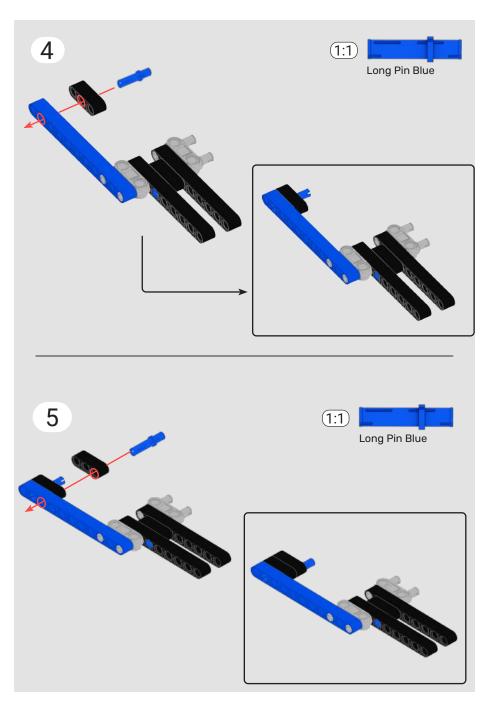
Things we need

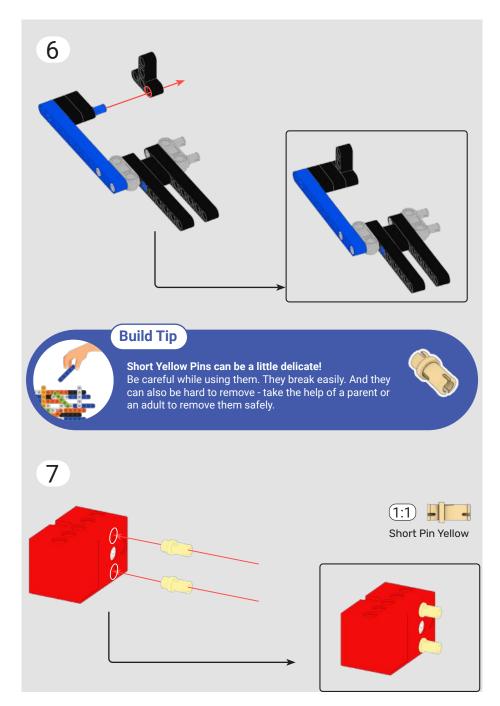


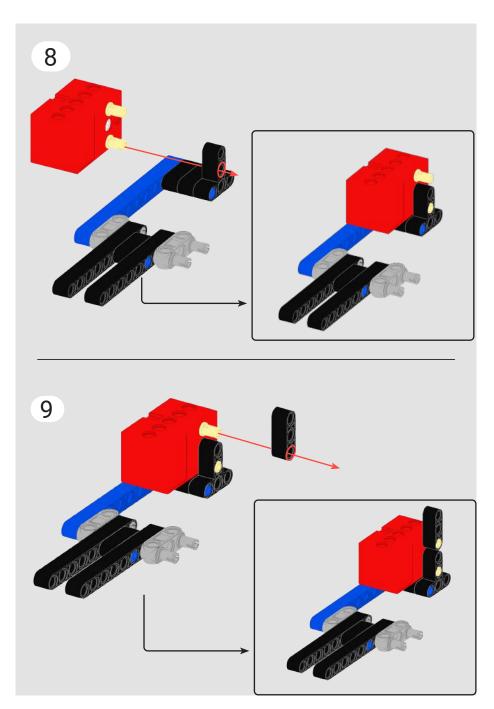


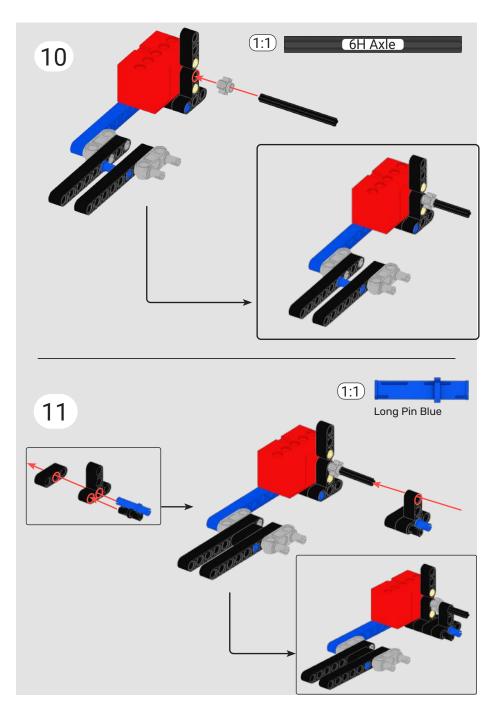


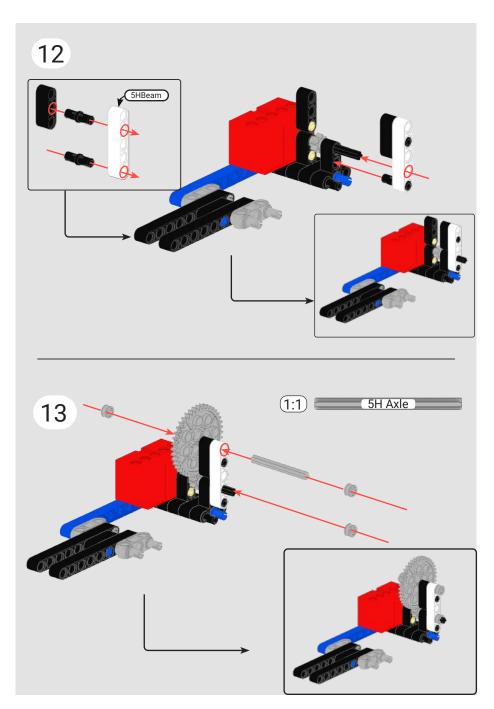


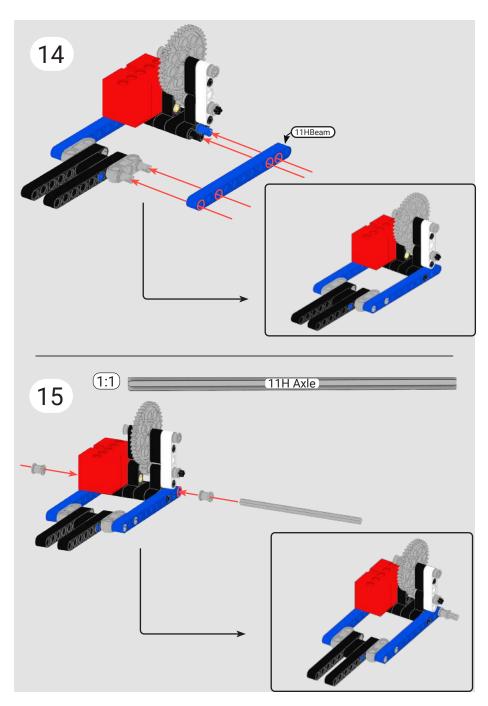


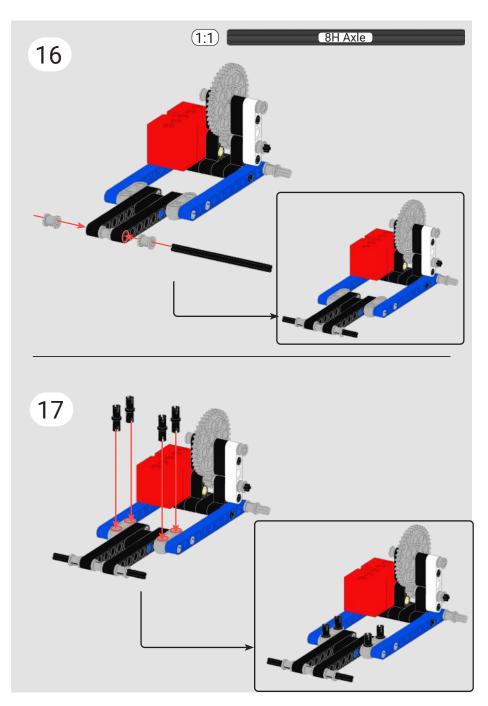


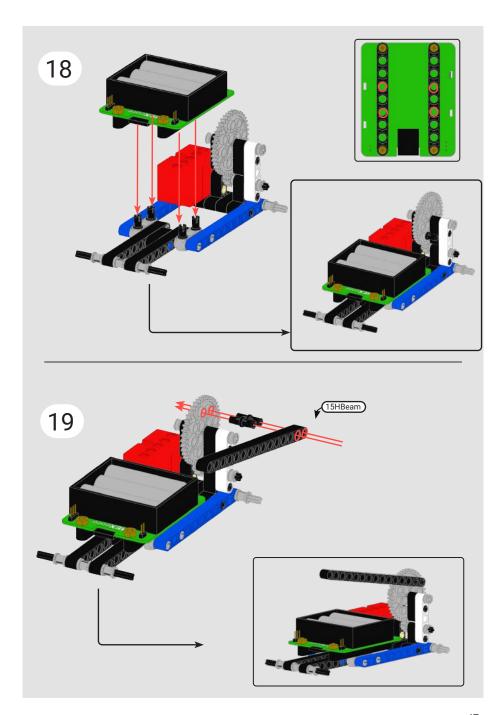


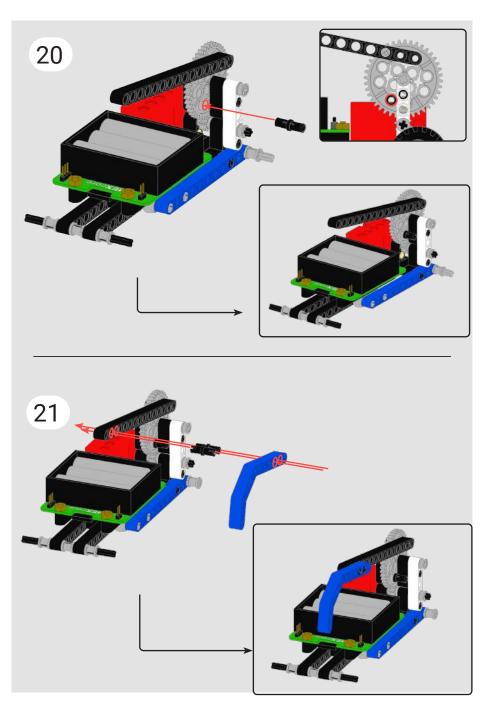


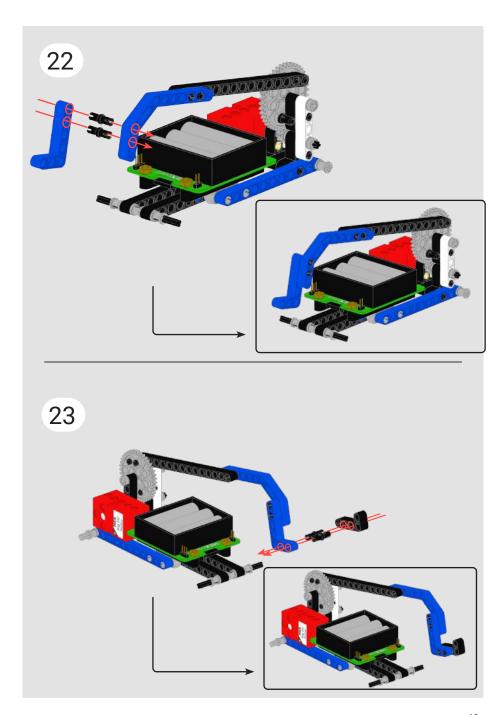


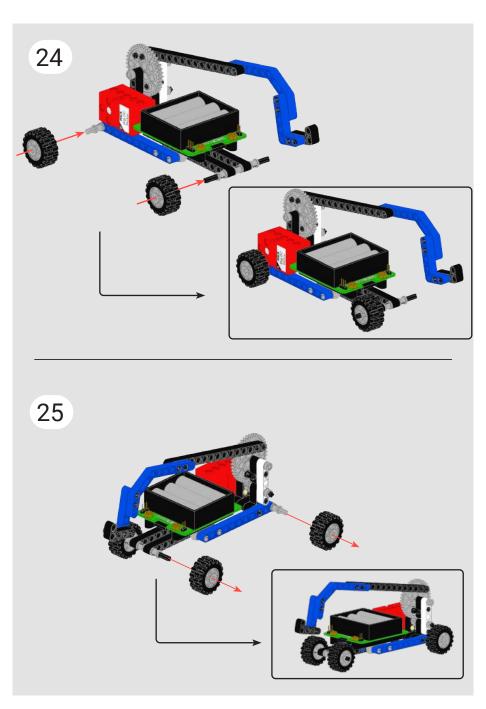












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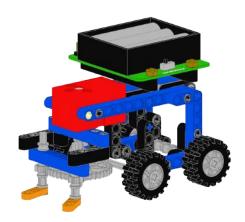
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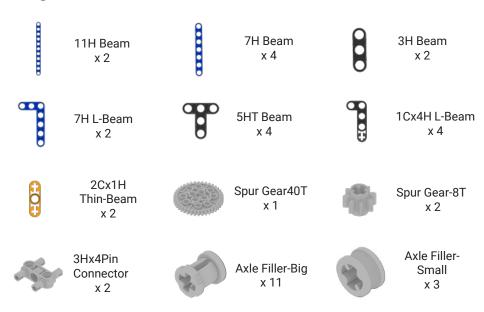


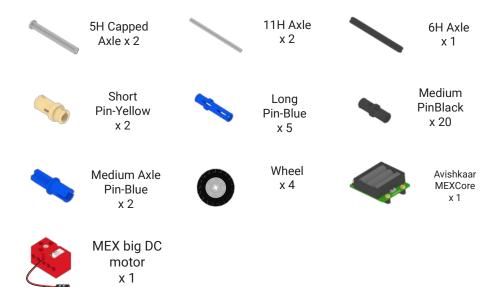
Project 3: Snow Sweeper

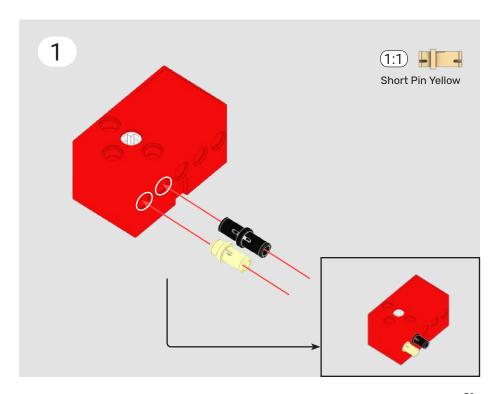
Let's Build!

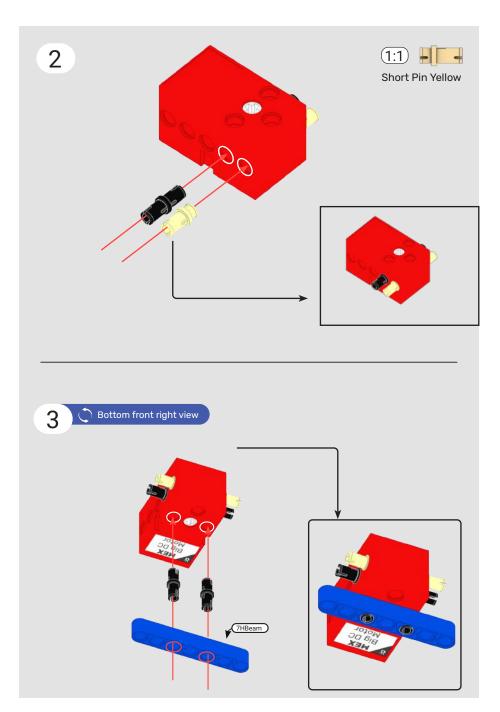


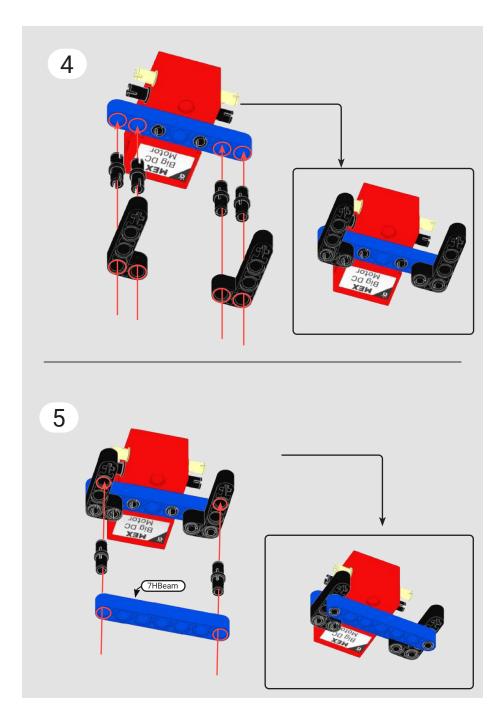
Things we need

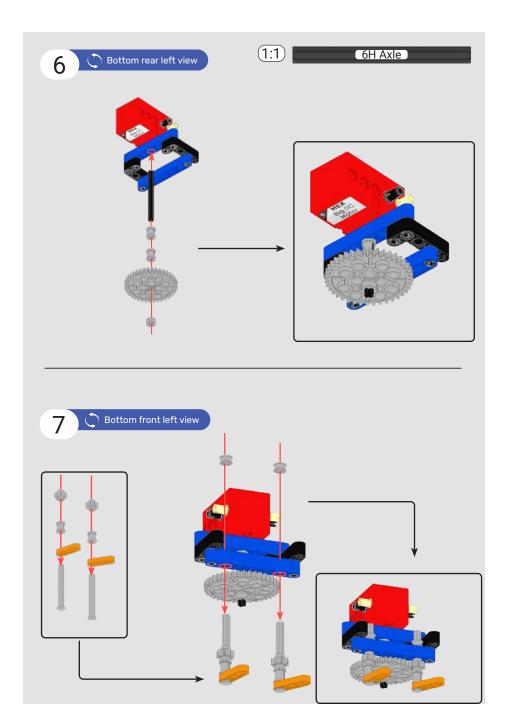


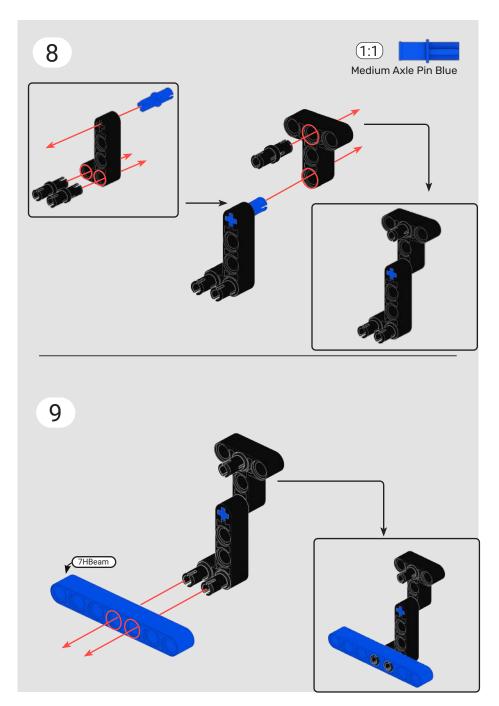


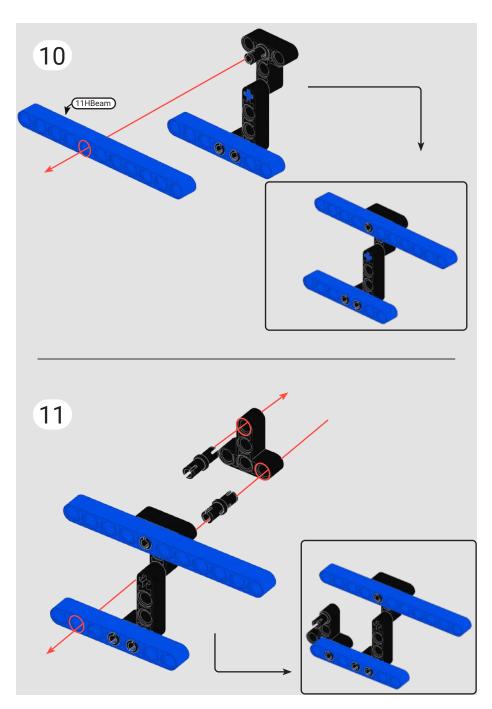


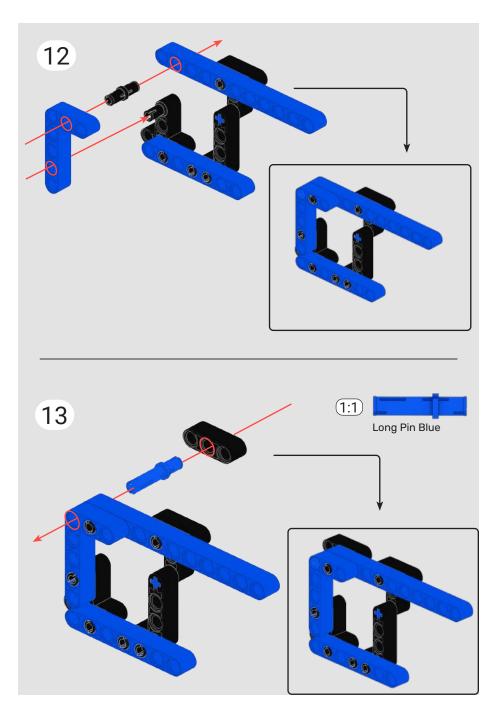


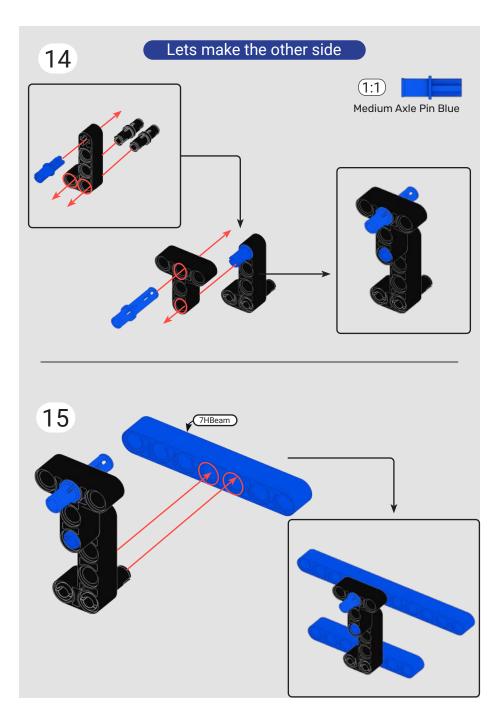


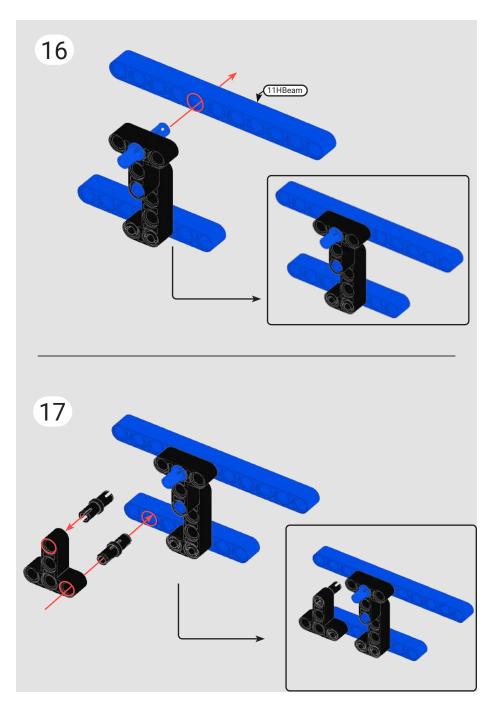


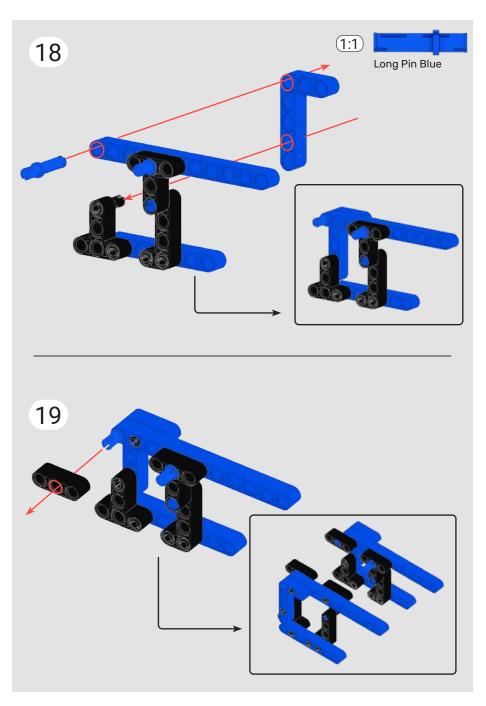


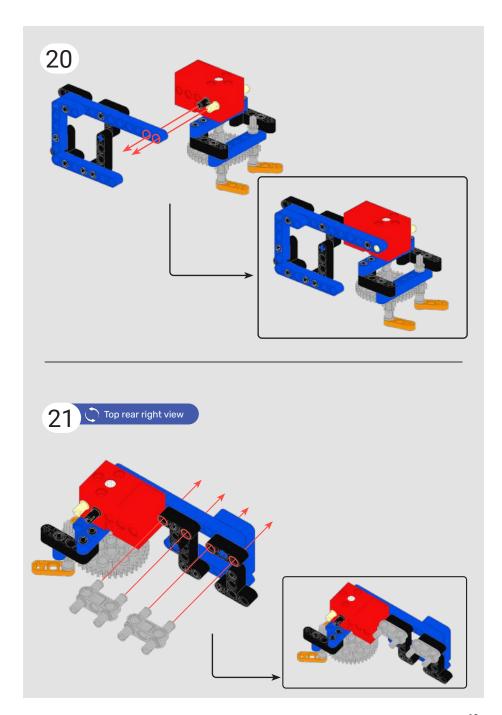


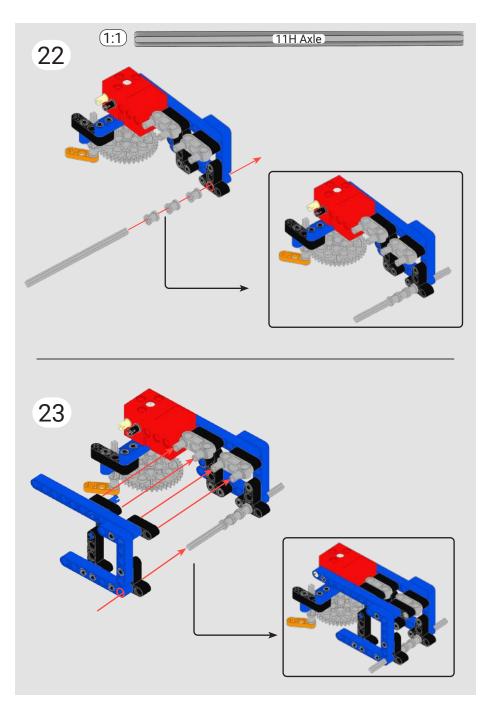


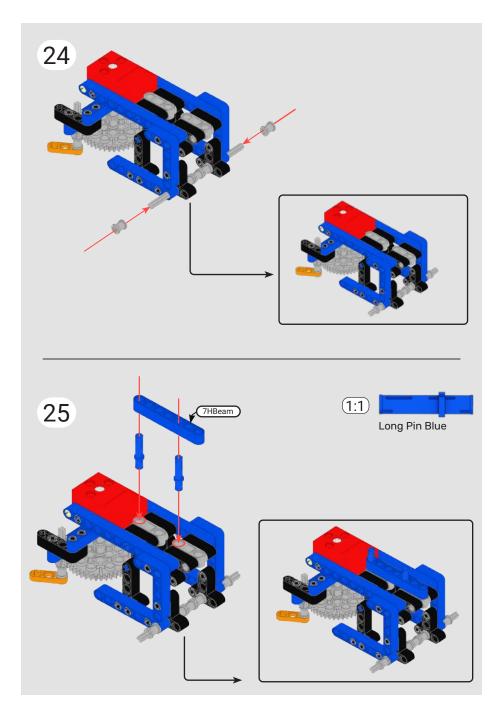


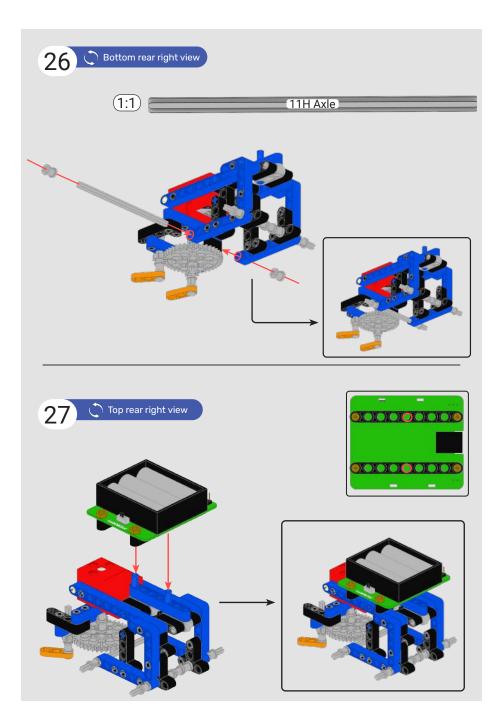


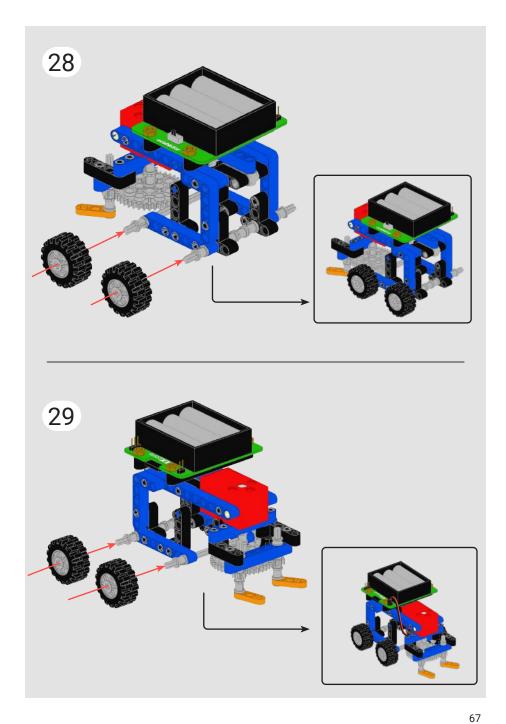












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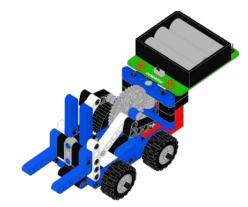
Explore all other badges to be collected and win them all!



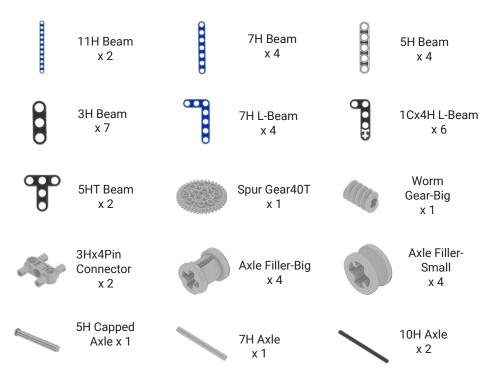


Project 4: Forklift

Let's Build!



Things we need





Short Pin-Yellow x 2



Medium Pin-Black x 22



Medium Pin-Grey x 2



Long Pin-Blue x 11



Medium Axle Pin-Blue x 2



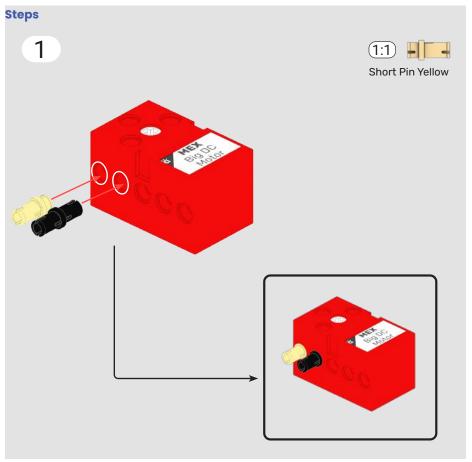
Wheel x 4

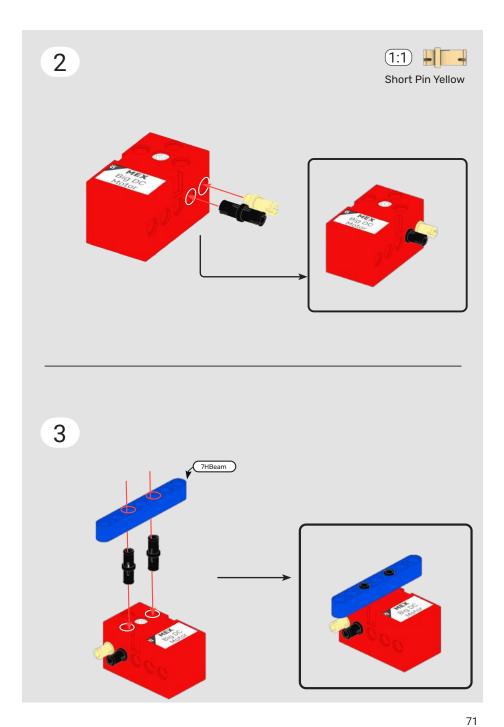


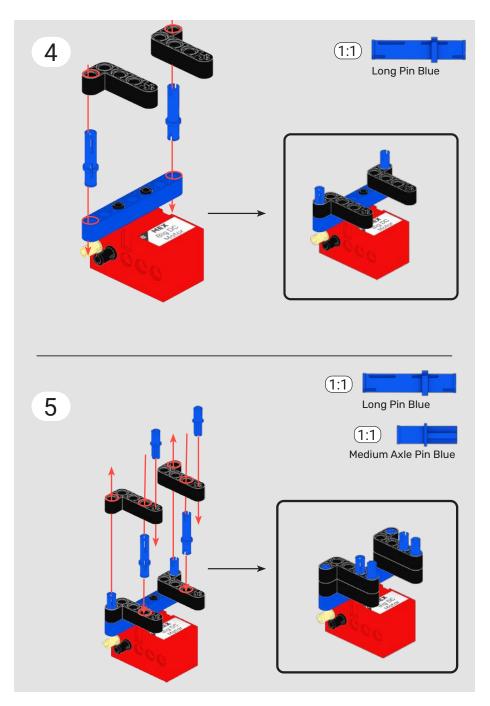
Avishkaar MEXCore x 1

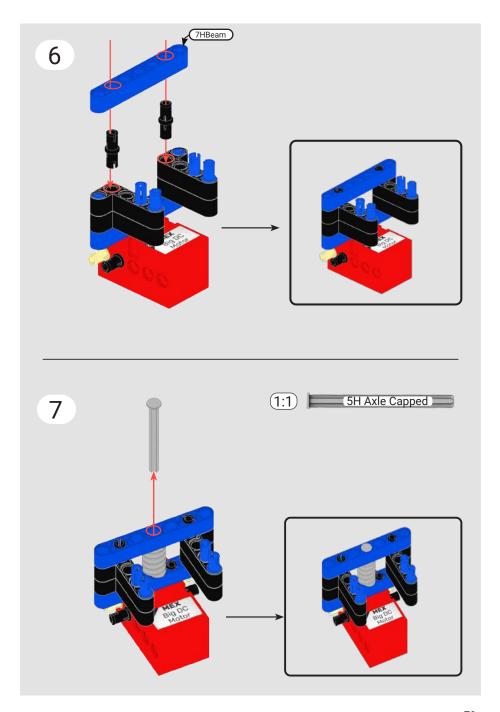


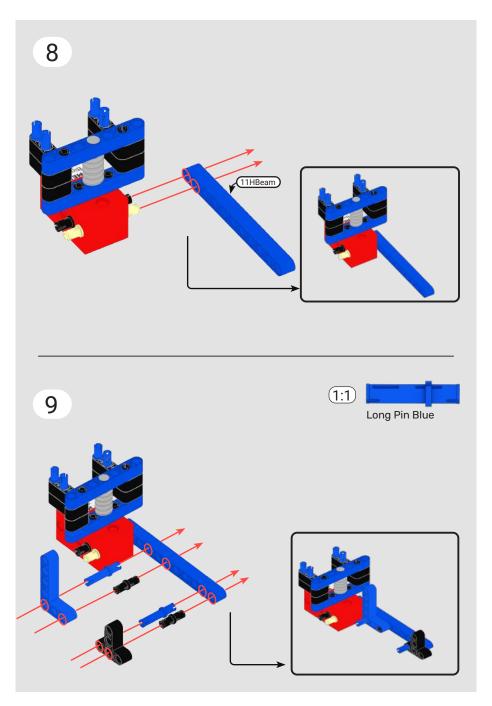
MEX big DC motor x 1

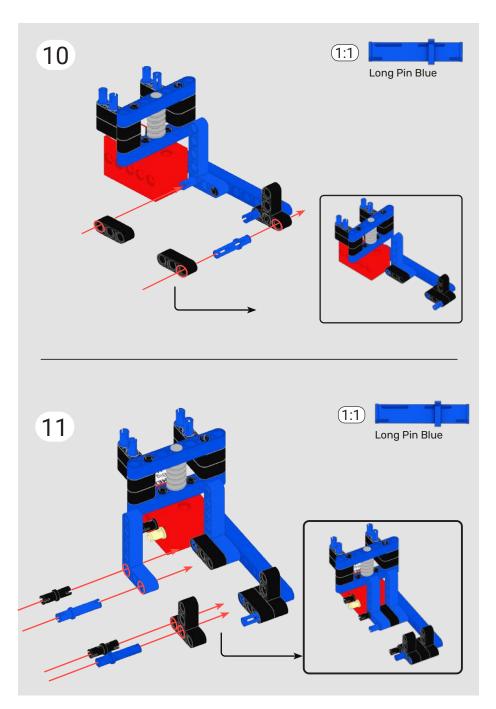


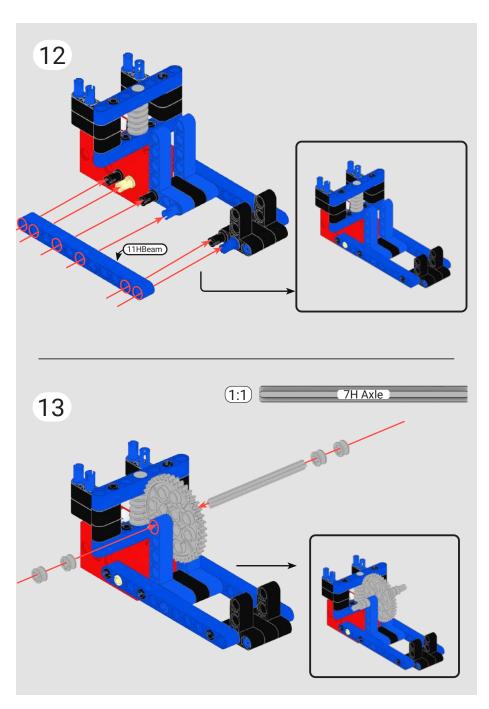


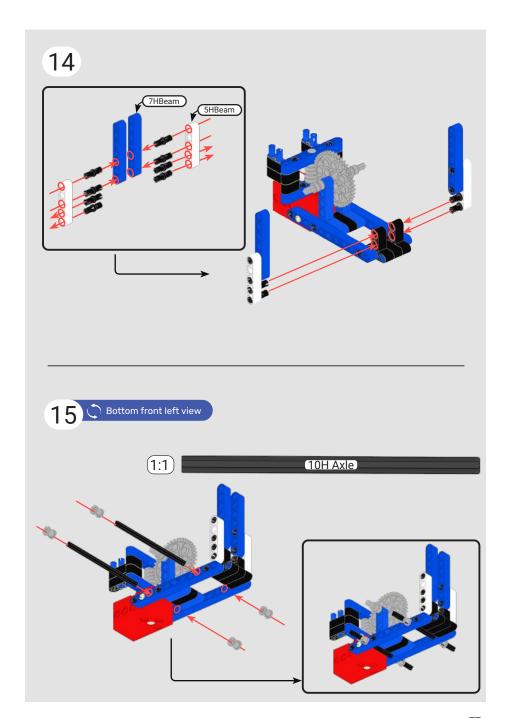


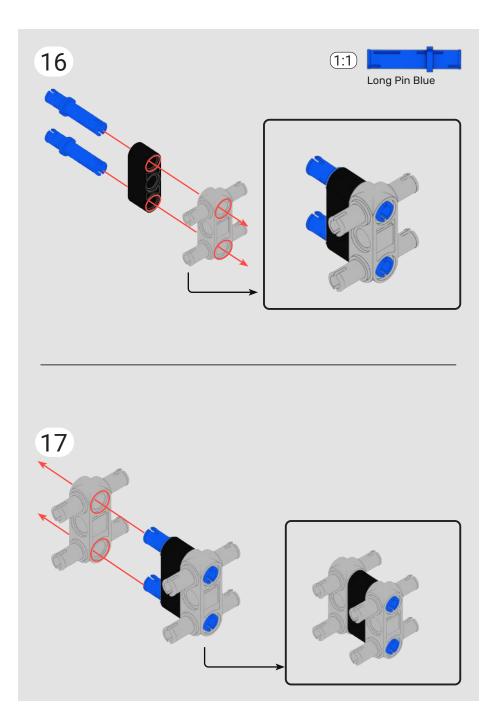


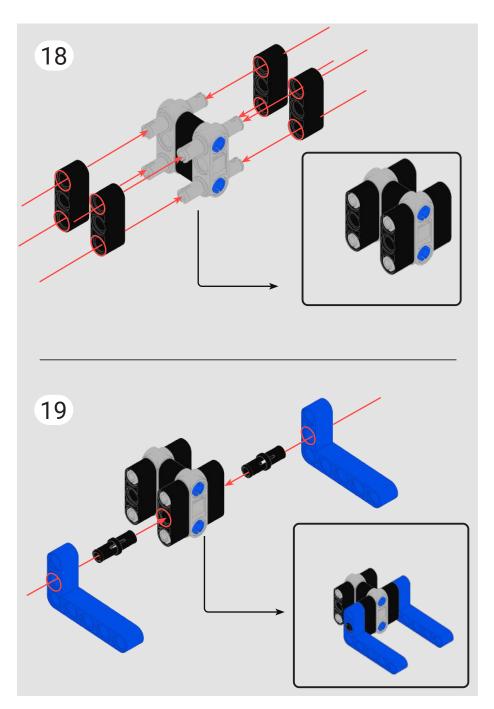


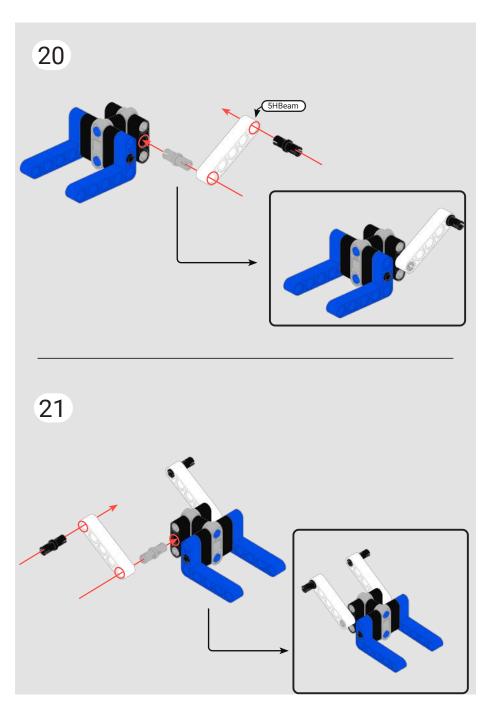


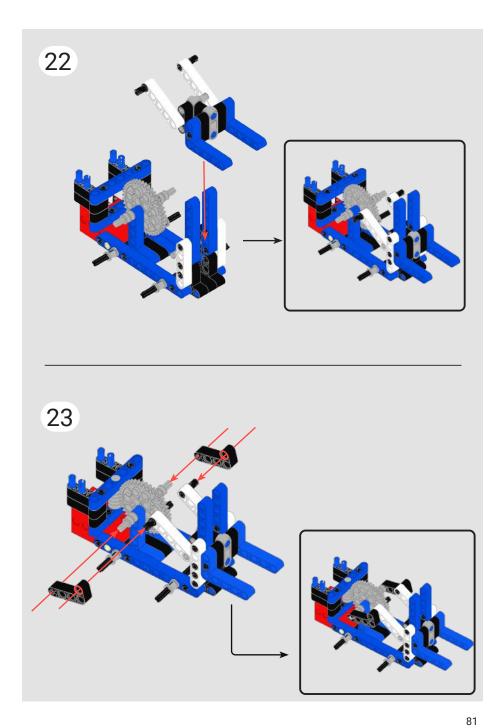


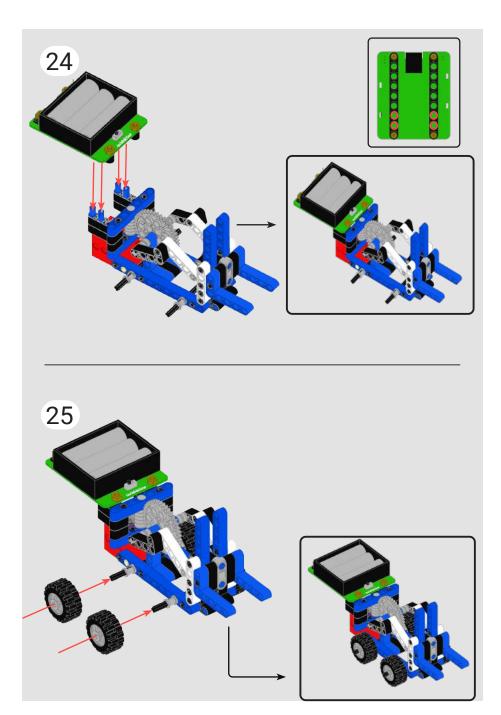


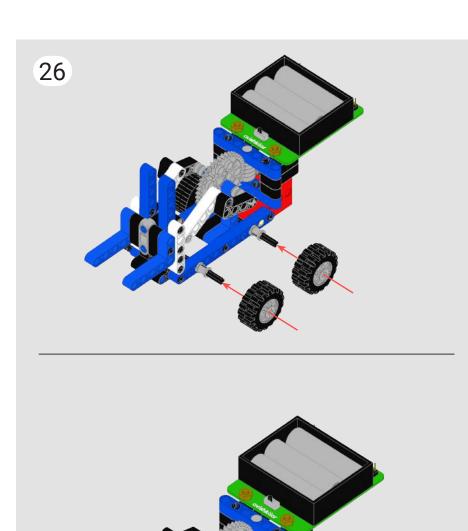












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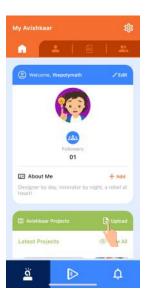
Share your Creation with the World and Win the 'Scratch the Surface' Level 3 Badge

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Project 5: Dobby

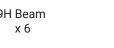
Let's Build!



Things we need



9H Beam



5H Beam x 4



3H Beam x 4



7H L-Beam x 4



1Cx4H L-Beam x 4



5HT Beam x 2



1Cx1H Beam x 2



2Cx1H Thin-Beam x 1



3Hx4Pin Connector x 2



Axle Filler-Small x 2



3H Axle x 2



Short Pin-Yellow x 1



Long Pin-Blue x 10



Medium PinBlack x 18



Medium Axle Pin-Blue x 4



Medium Pin-Grey x 4



Avishkaar MEXCore x 1



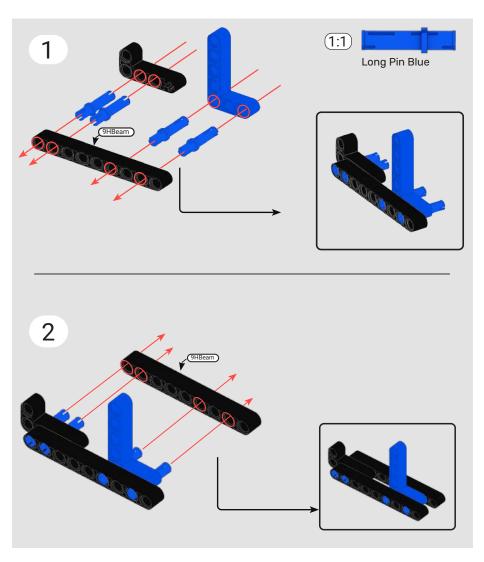
MEX big DC motor x 1

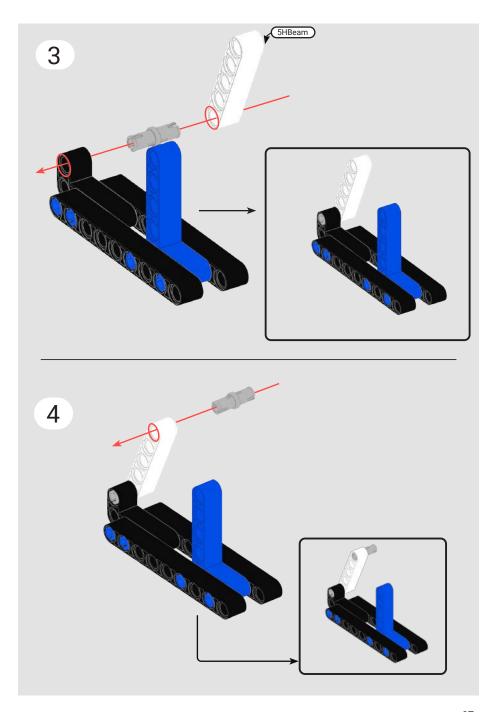


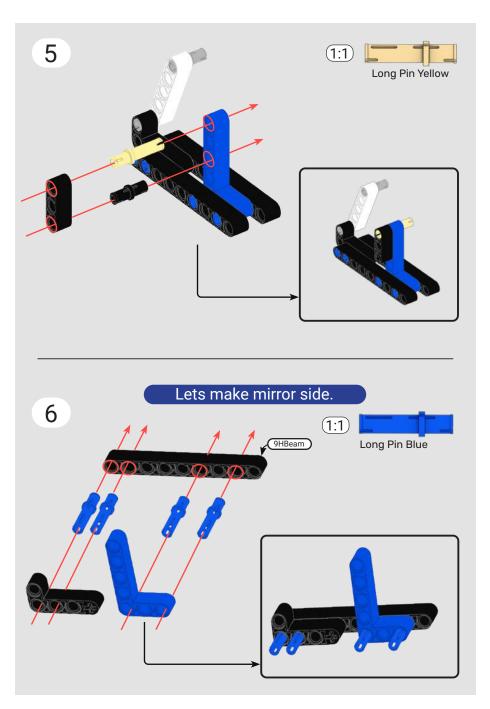
Long Pin Yellow x 2

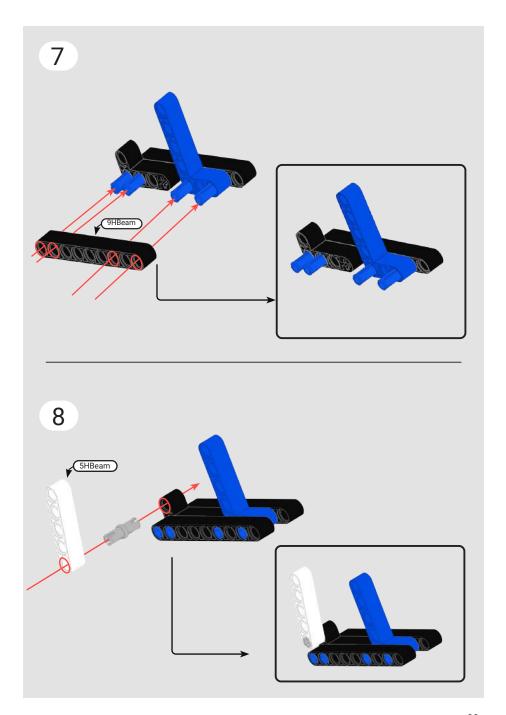


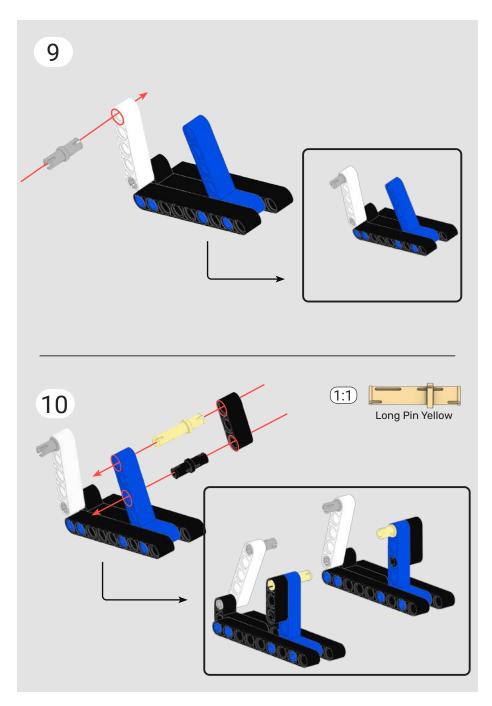
3Cx2H Thin -D x 2

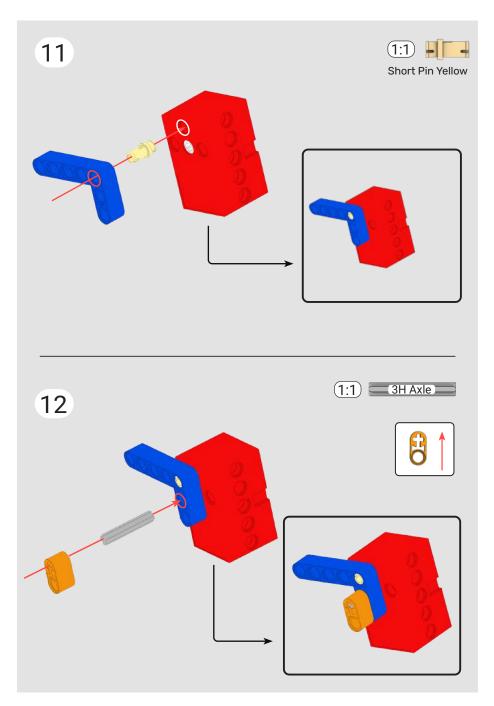


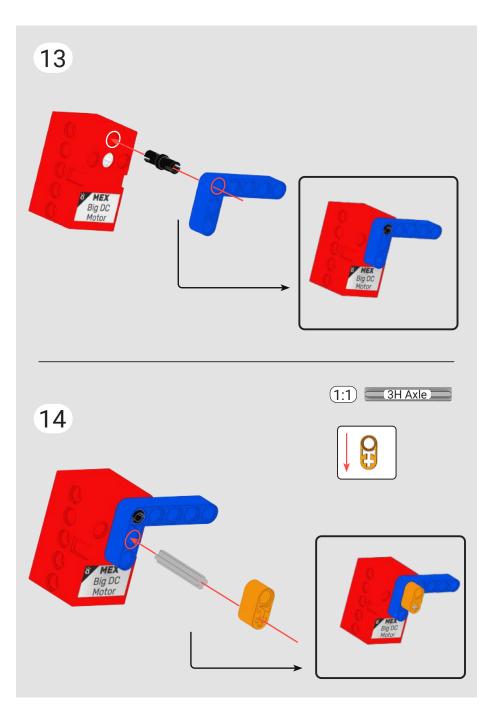


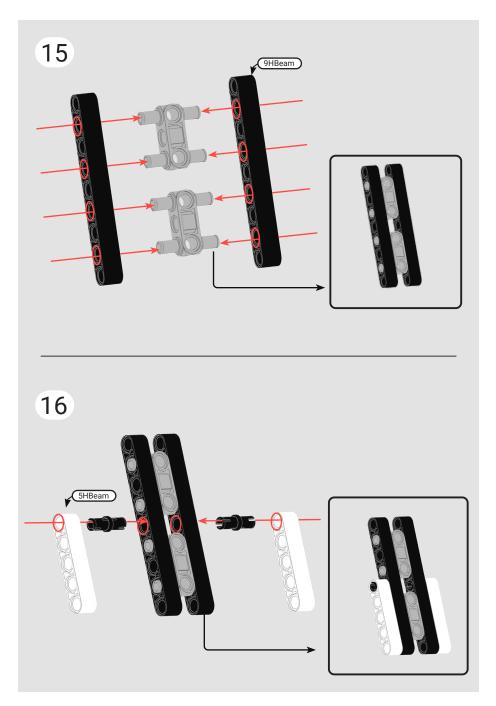


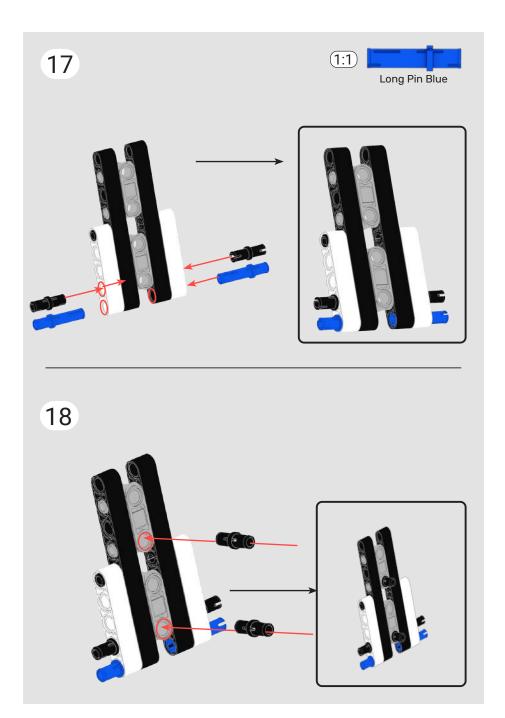


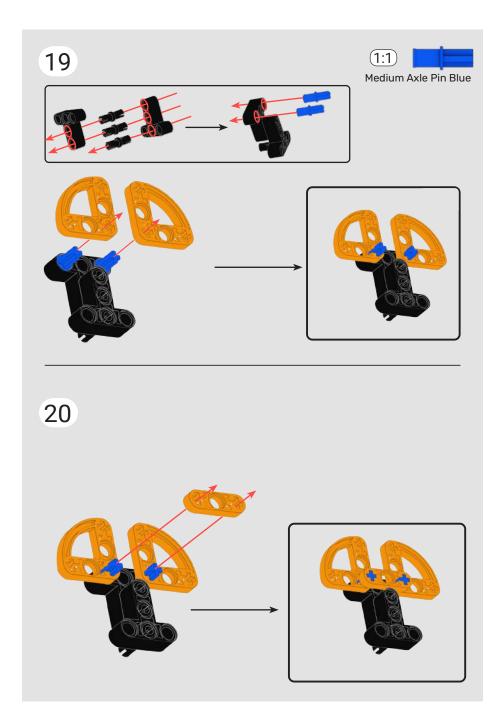


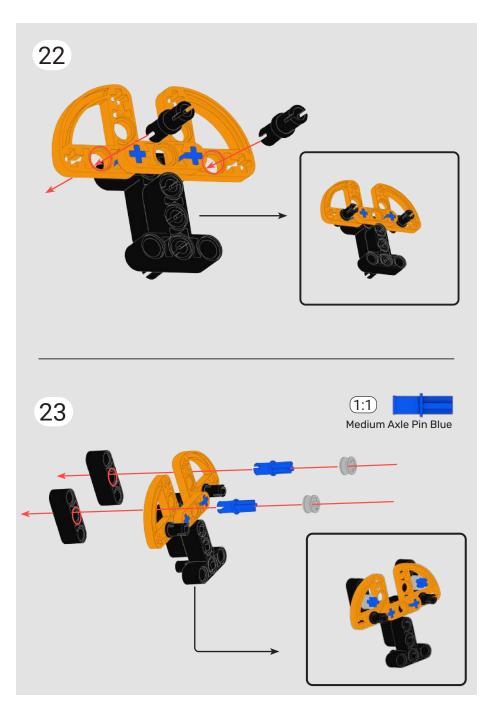


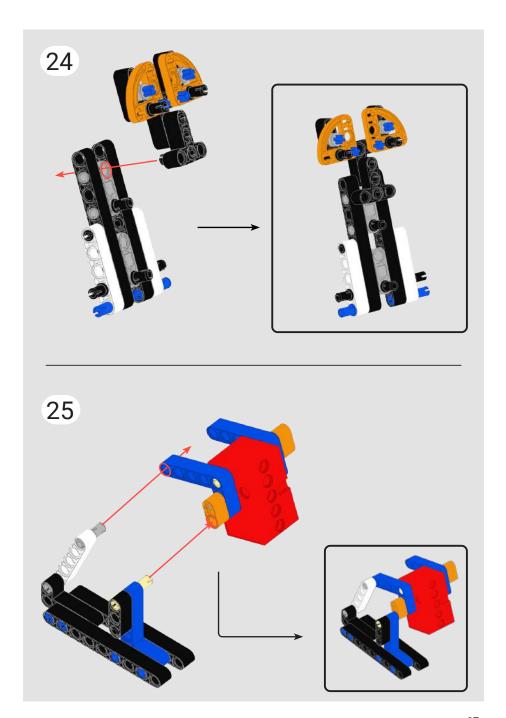


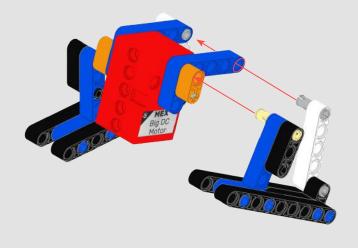




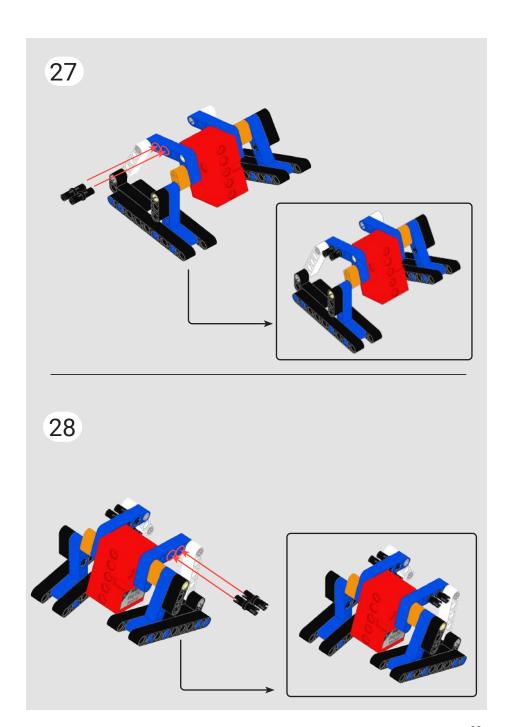


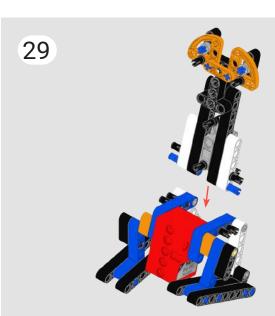


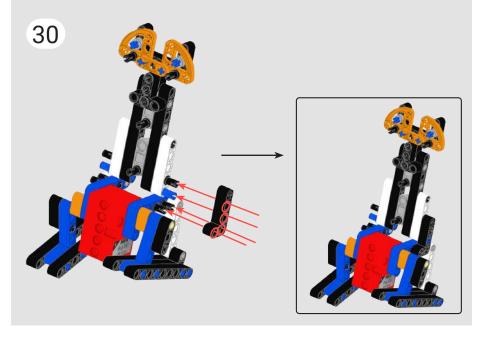


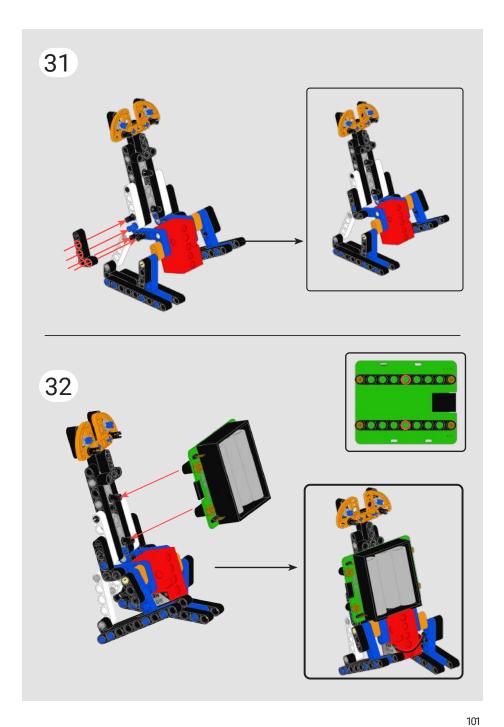












Congratulations on Completing this Project!

Excited to play with it using the avishkaar mobile app?

Go to Pg 8 about the detailed instructions on how to download the app and control your bot using it.



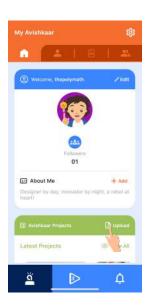
Share your Creation with the World and Win the 'Scratch the Surface' Level 3 Badge

Upload photos or videos of your project using the project section of the Avishkaar App to win the 'Scratch the Surface' Level 3 Badge.

See all your collected badges in the achievement section of your profile on www.avishkaar.cc.

Explore all other badges to be collected and win them all!





Facing an Issue?

Our techincal support is available to assiste you at these timings -Monday to Saturday: 9am to 8pm Sunday and 3rd saturday: 9am to 6pm







Software Issues

Usability Issues

Hardware Issues

Contact support by scanning the QR Code.



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