



July 4 – 7, 2024
Austin, Texas

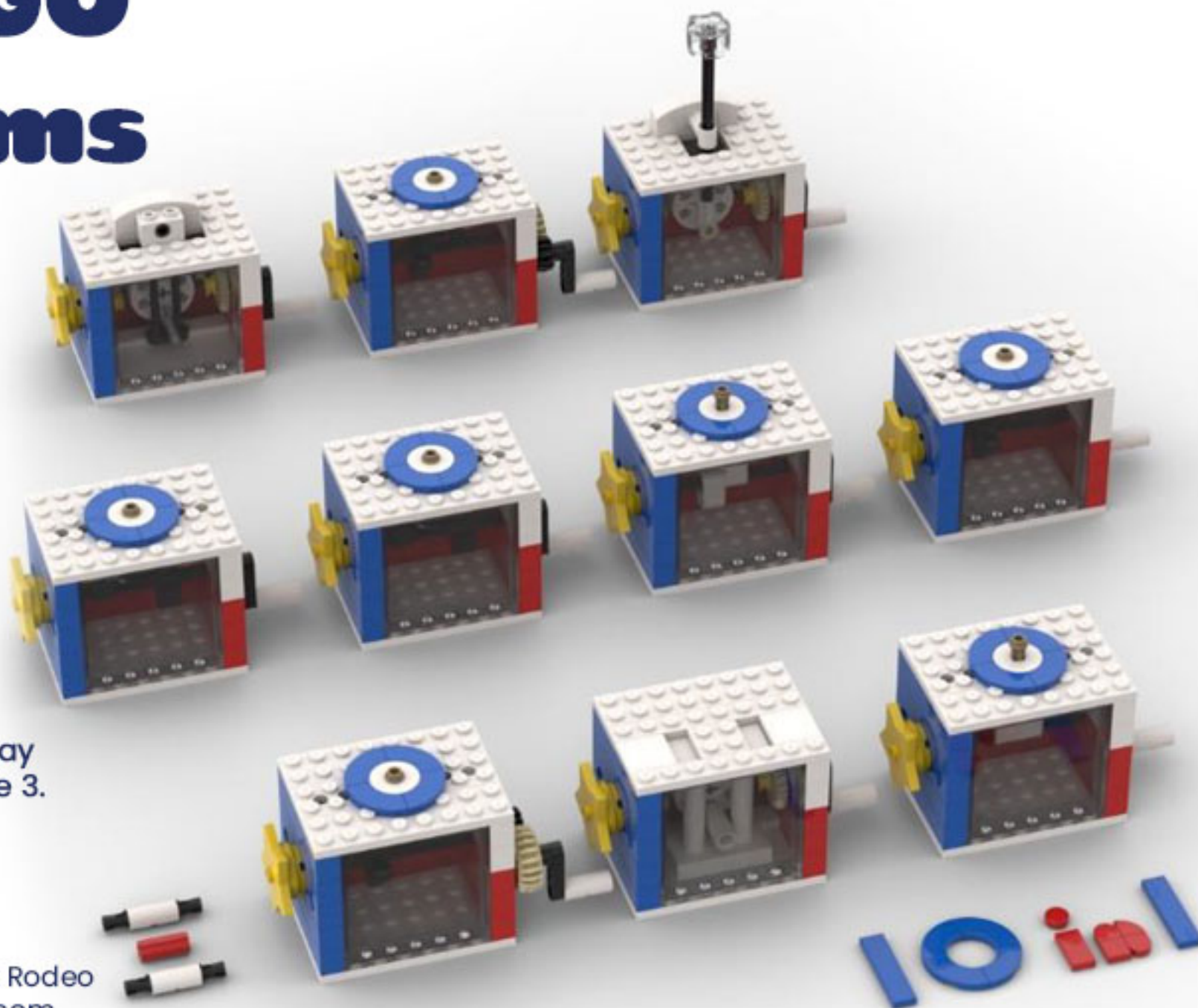
10-in-1 LEGO® Mechanisms

BR202402

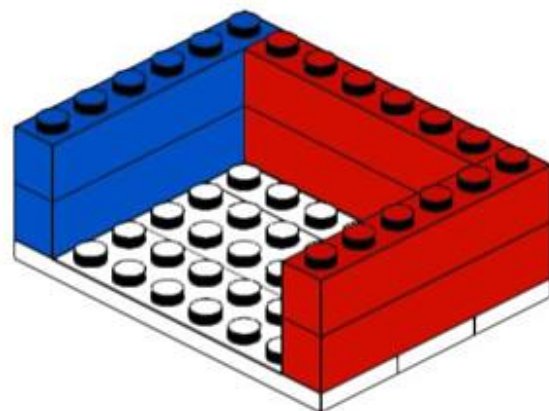
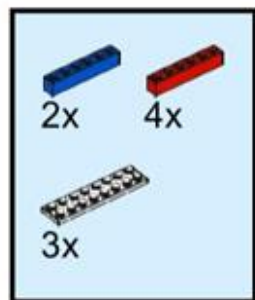
51 pcs

Building Toy. Contains small parts, may
not be suitable for children under age 3.

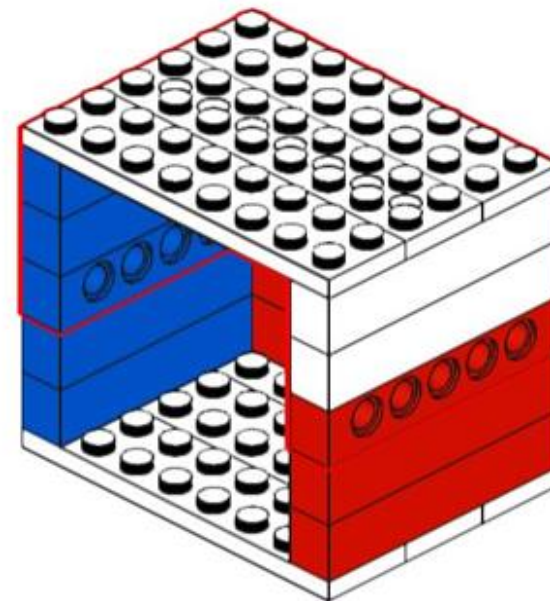
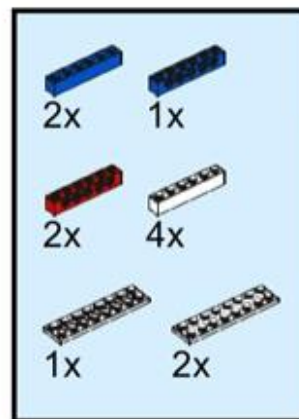
Designed by Steve Guinness for Brick Rodeo
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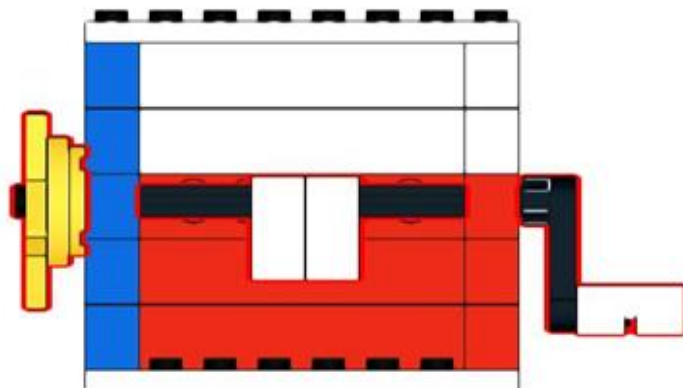
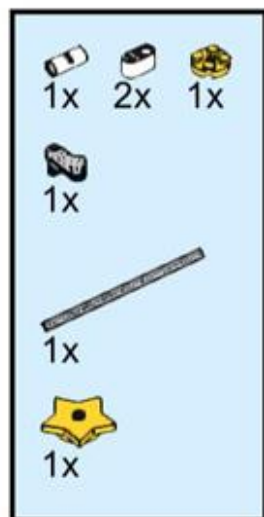
1 Jump Mechanism



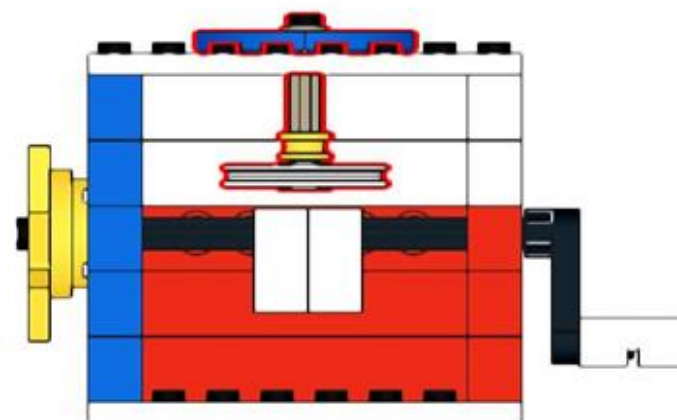
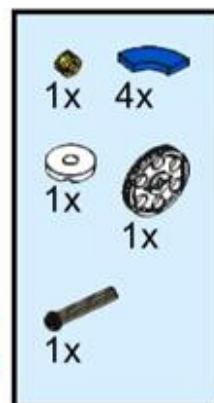
2



3



4

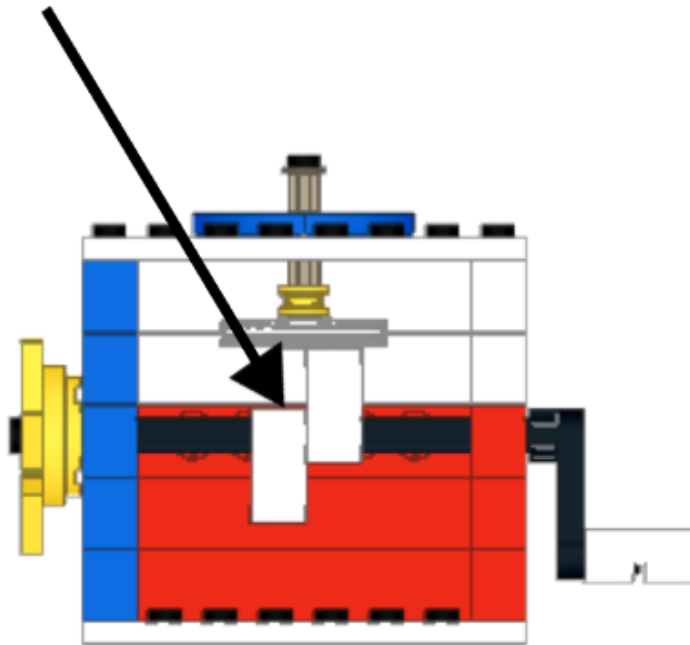


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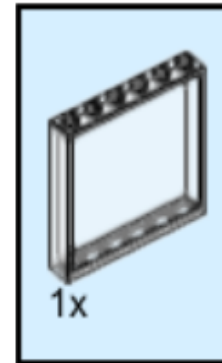
Double Jump Mechanism

6

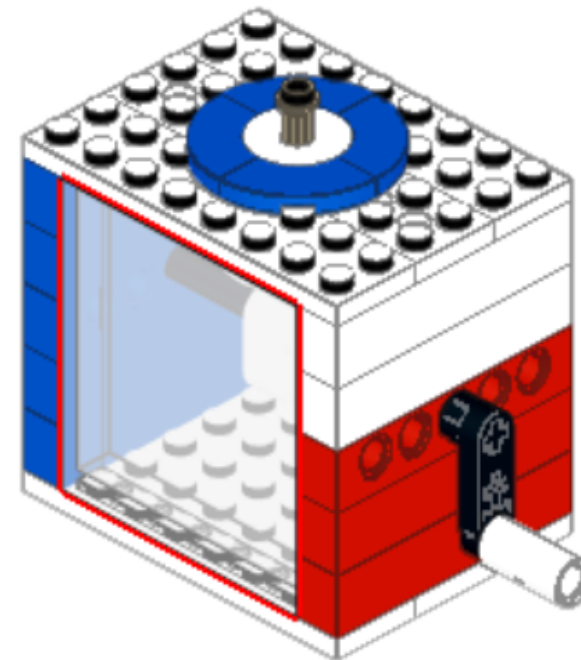
Without adding any pieces, try adjusting one of the liftarms so one points up and one points down. This will produce a double jump mechanism.



Another method is to use the technic knob gears instead of the liftarms to create a quad jump mechanism!

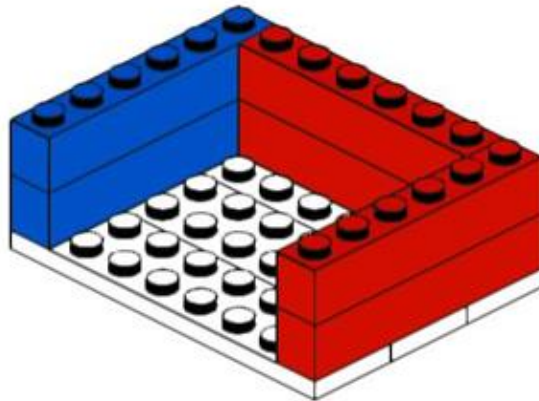
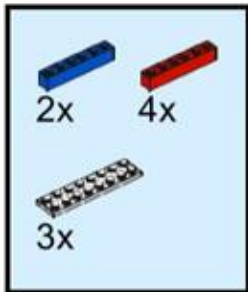


The transparent panel can be added to finish any of the mechanisms, I will leave it out of the instructions from now on so that its easier to see the mechanism details.

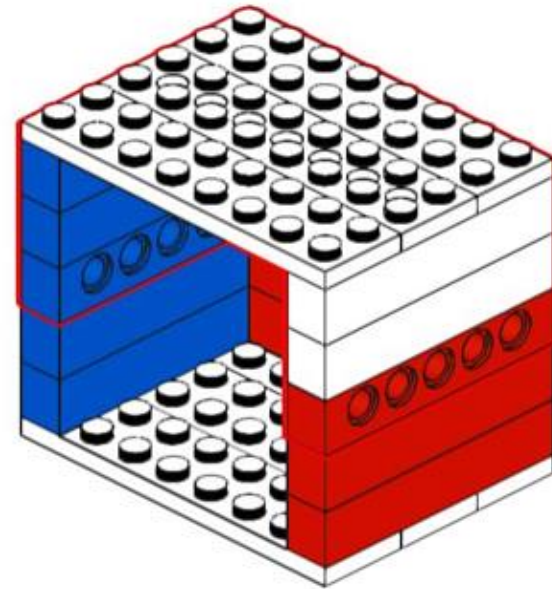
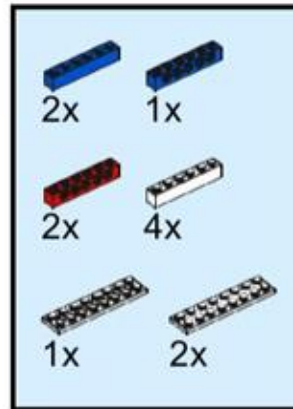


1

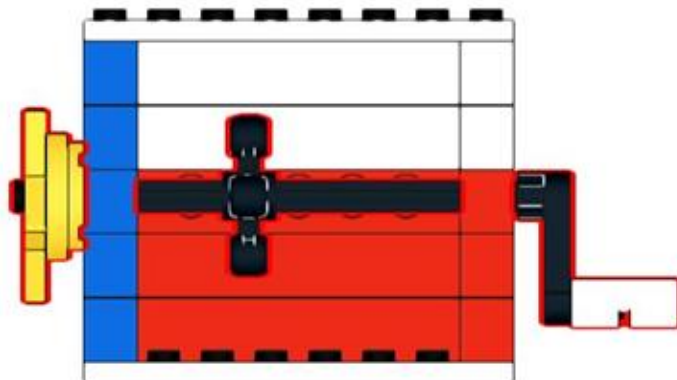
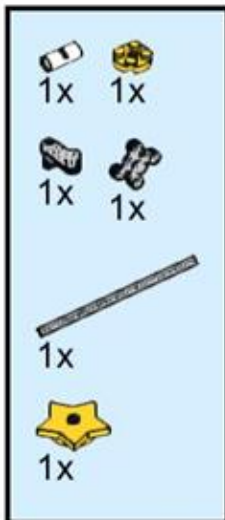
Spin Mechanism



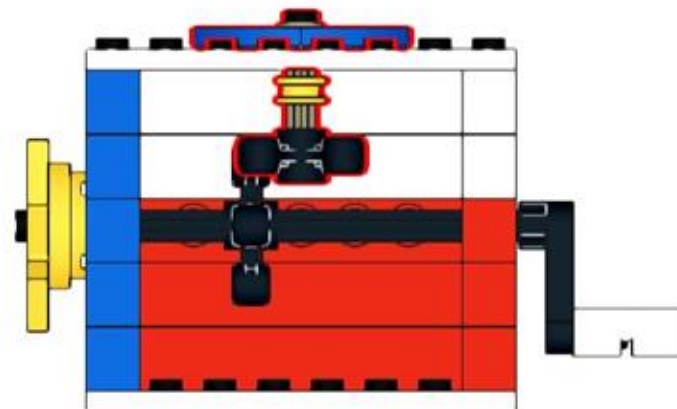
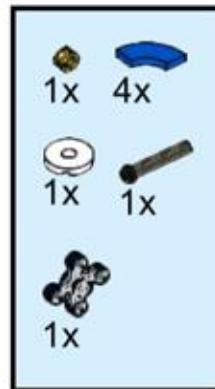
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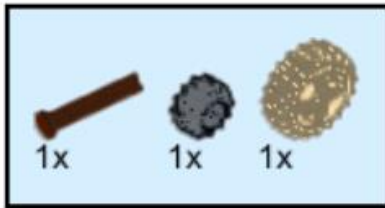
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4

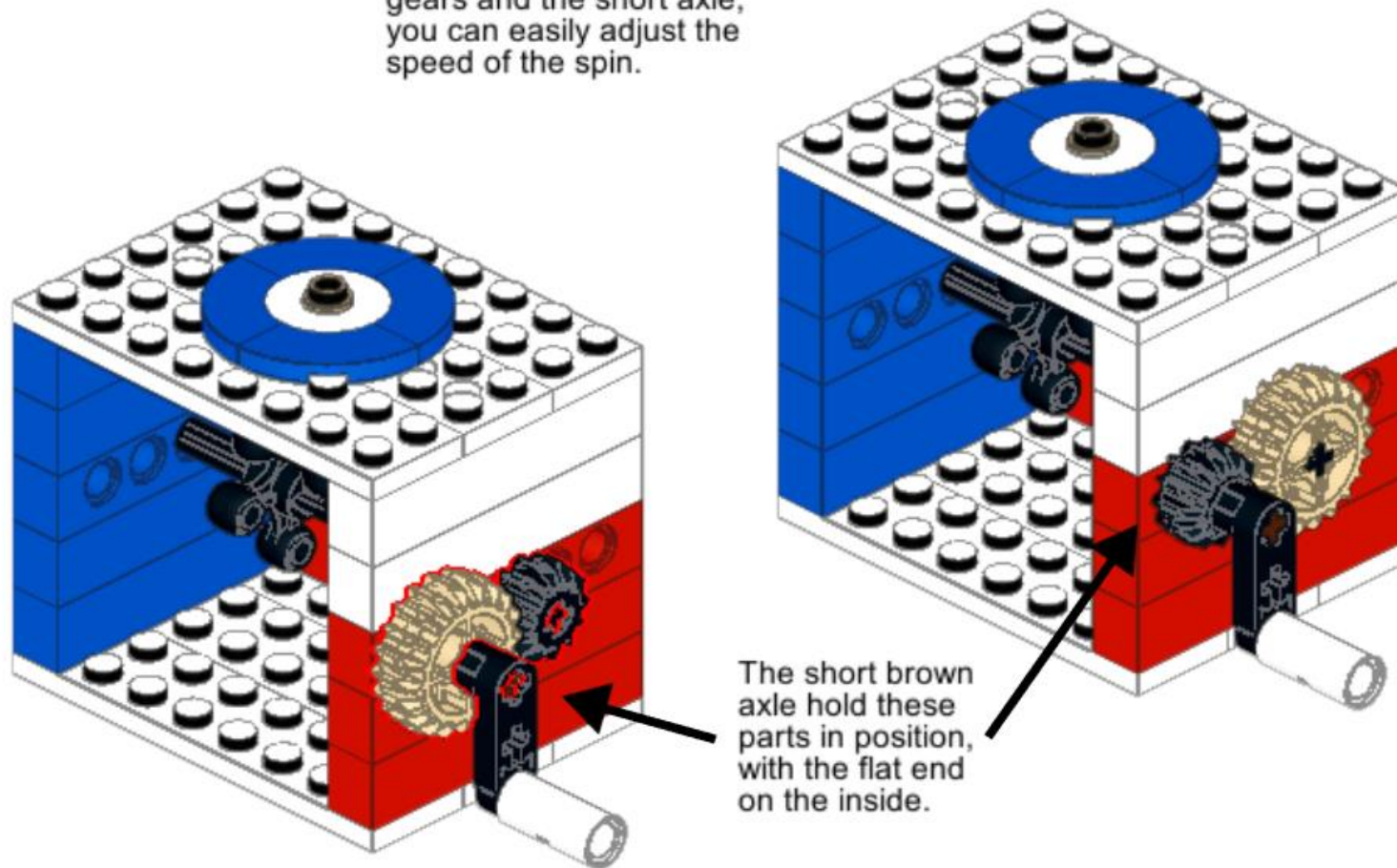


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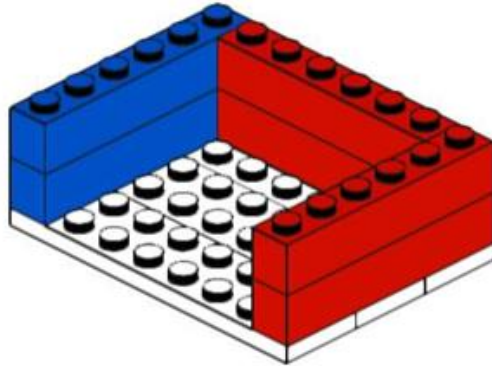
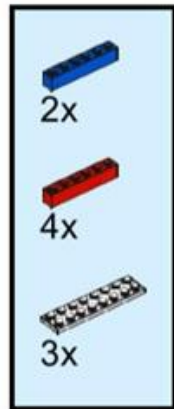
Super Spin & Slow Spin Mechanism

By adding these two gears and the short axle, you can easily adjust the speed of the spin.

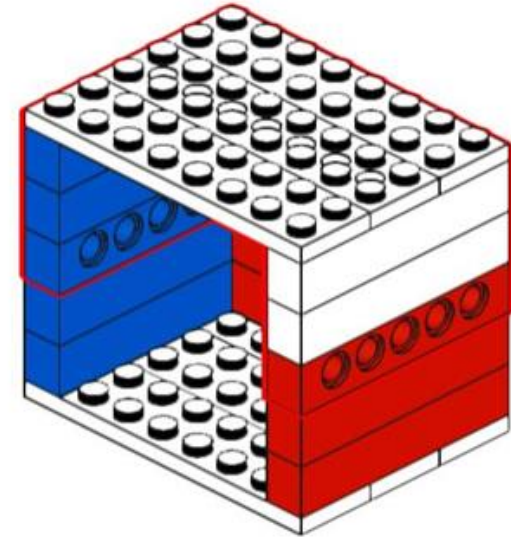
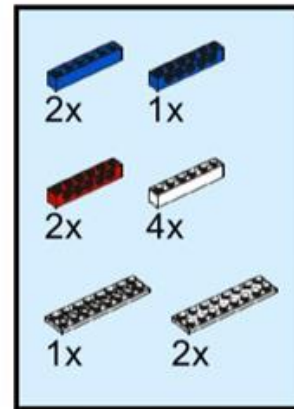


1

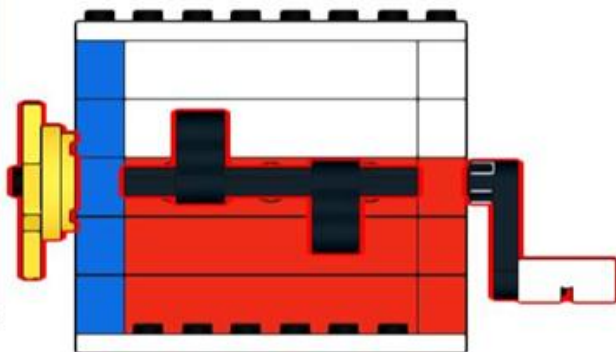
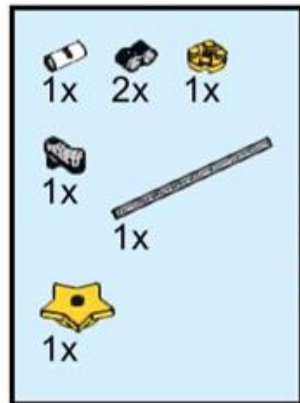
Twist Mechanism



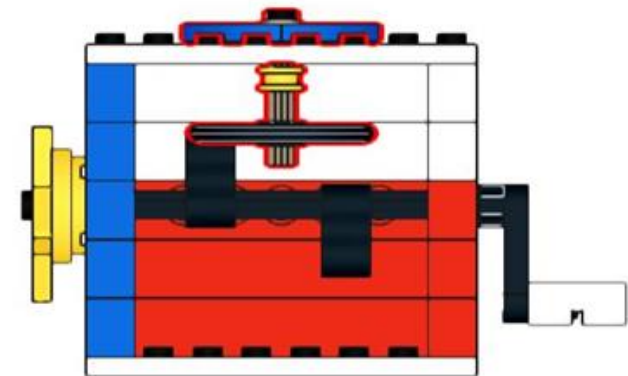
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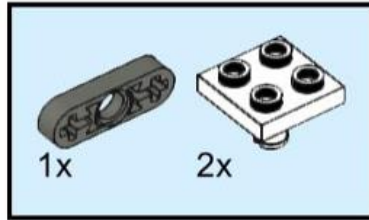
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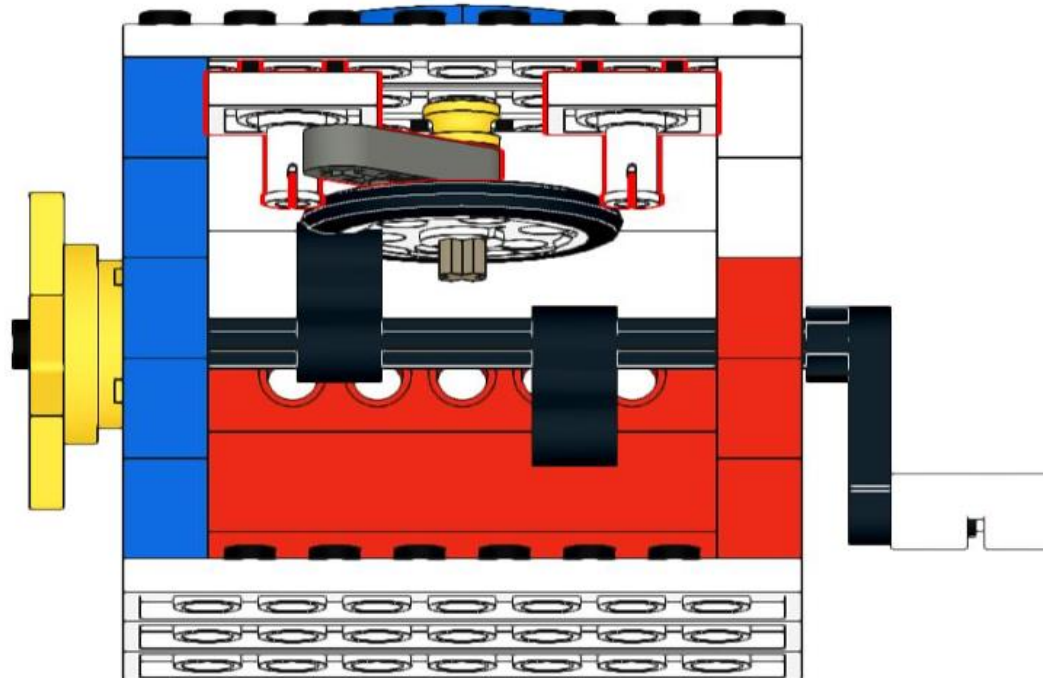


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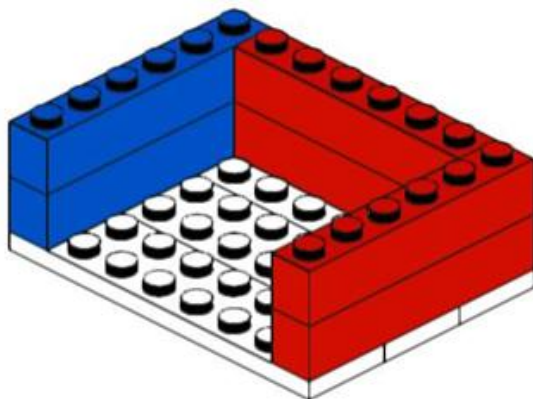
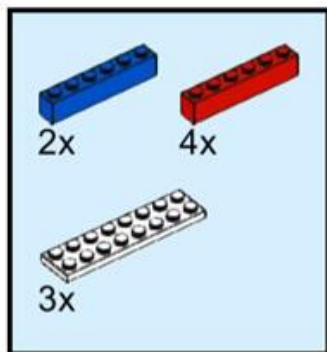


Twist Mechanism, with stops

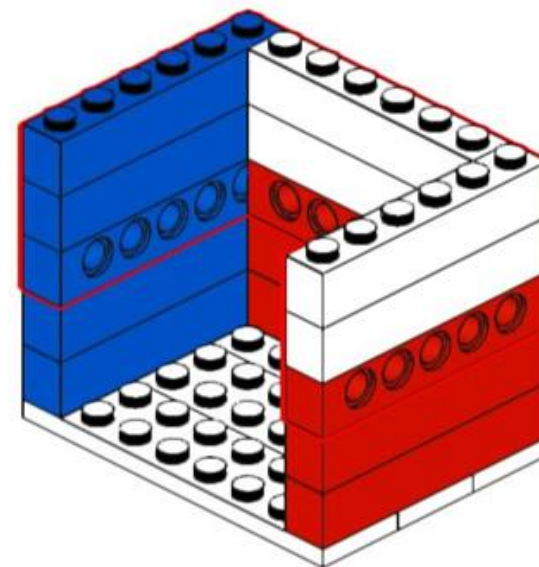
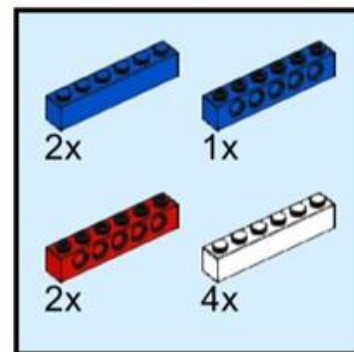
By adding these two modified plates and the short liftarm you can get a more accurate twisting motion so the minifigure will always stop in the same position.



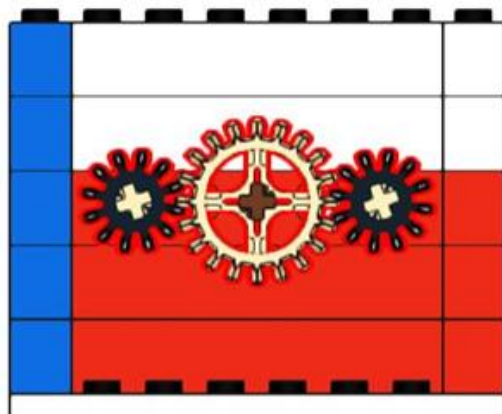
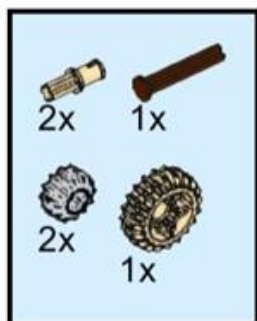
1 Gallop Mechanism



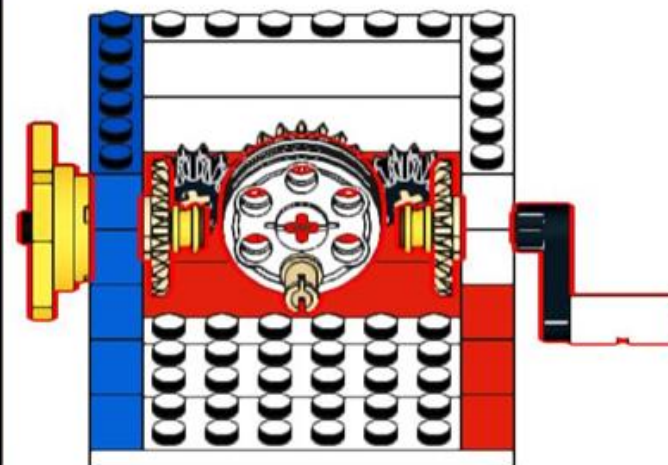
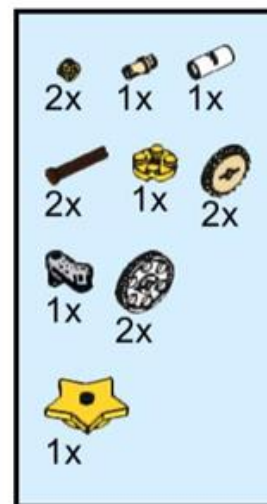
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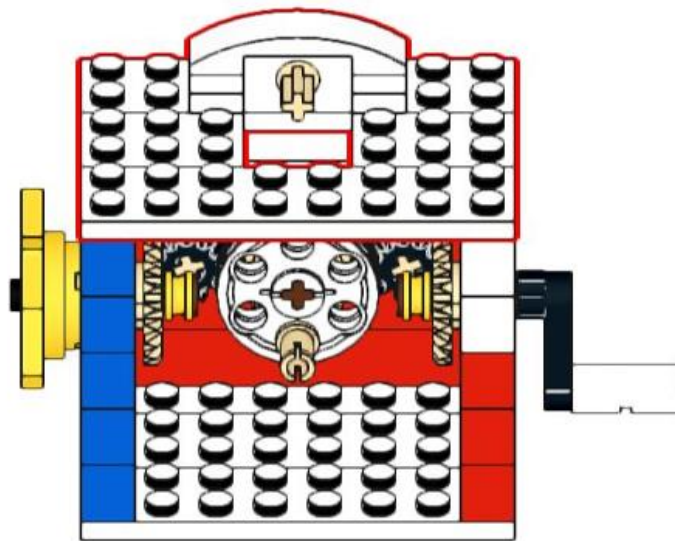
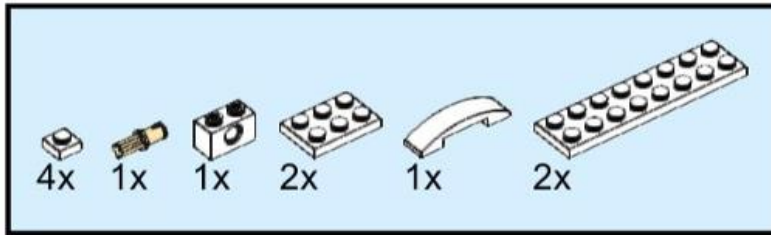
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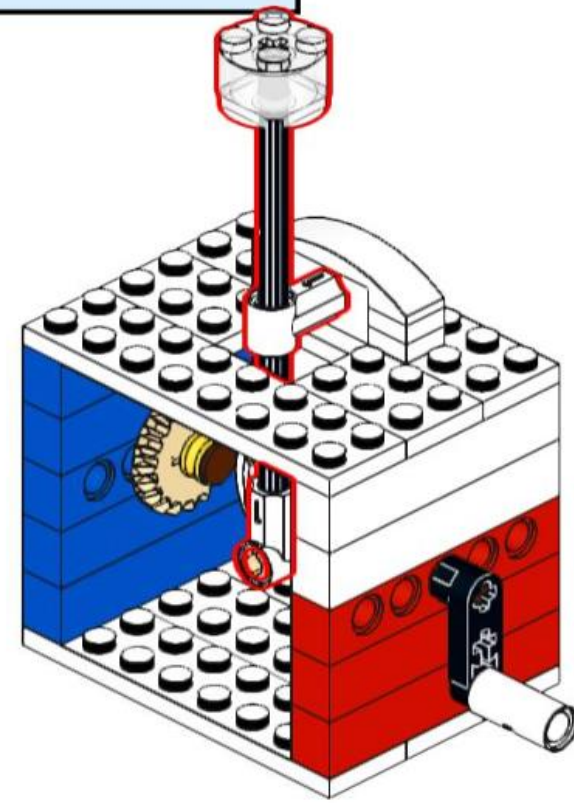
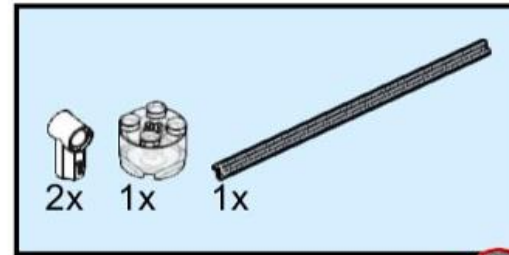
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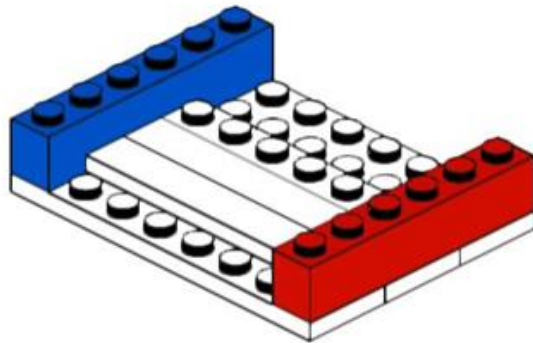
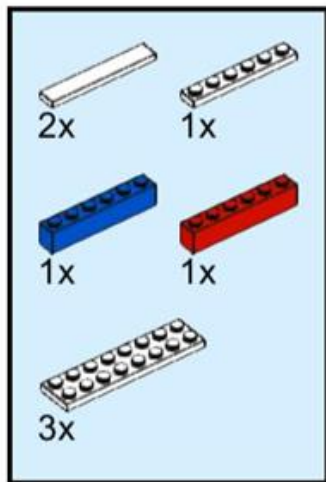
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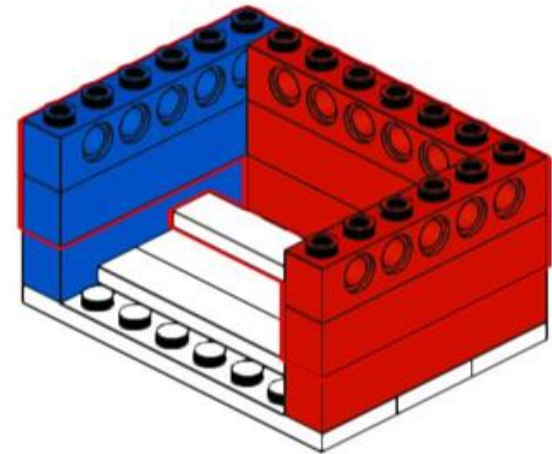
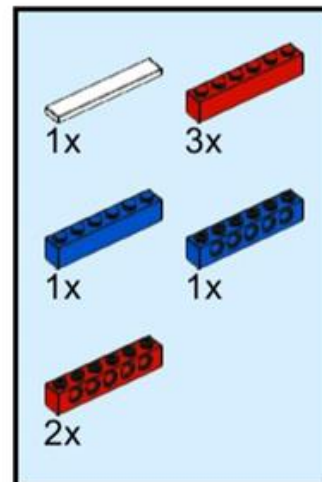
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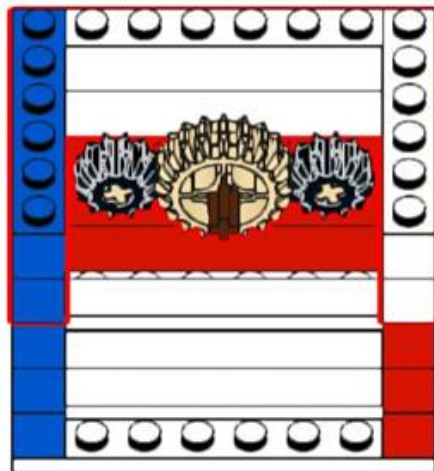
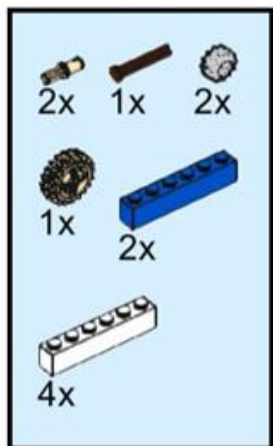
1 Side to Side Mechanism



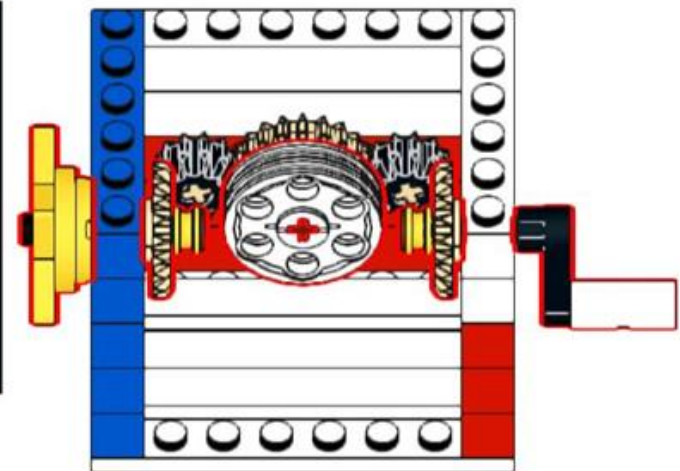
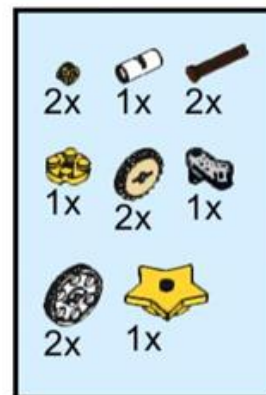
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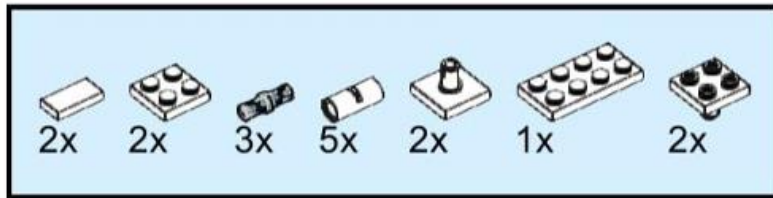
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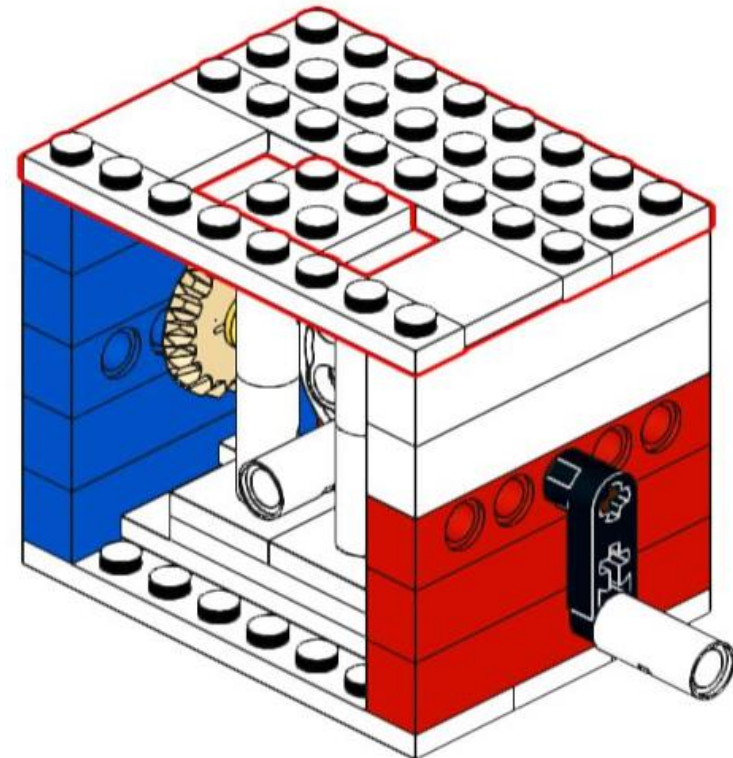
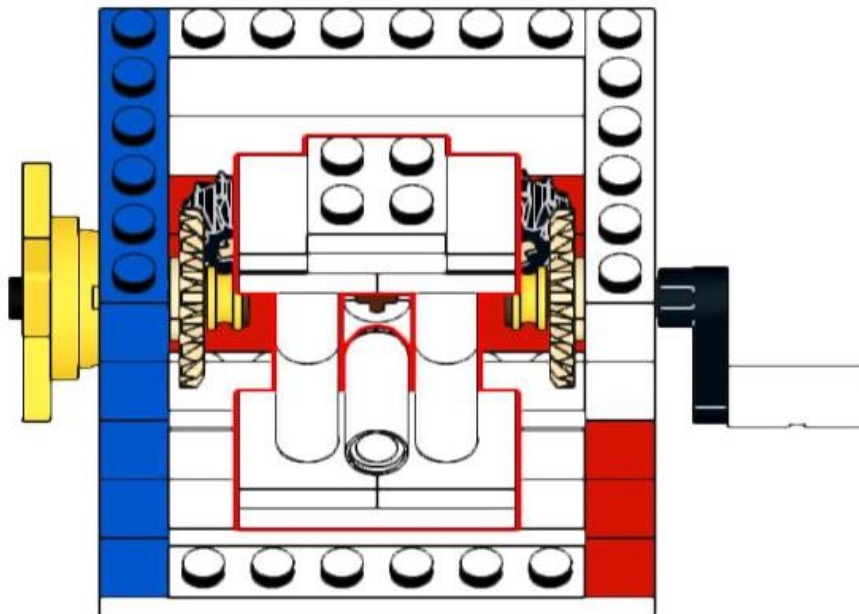
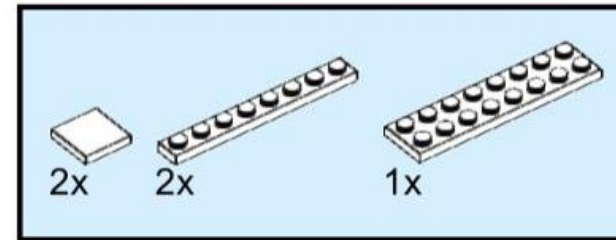


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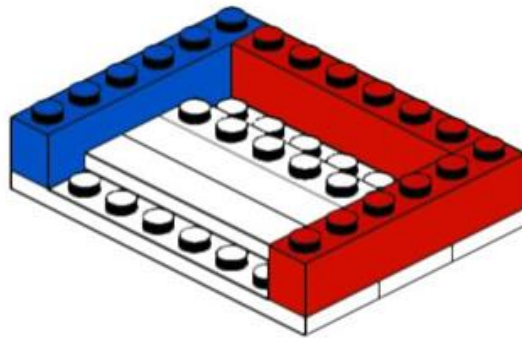
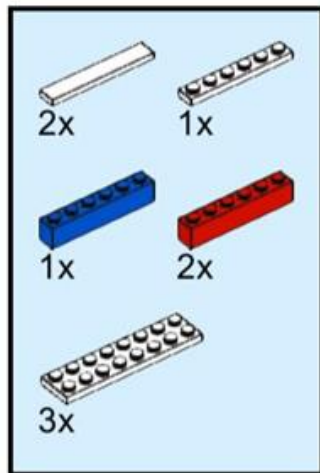


All these parts go together to build the slider mechanism. This then sits inside loose (and does not attach)

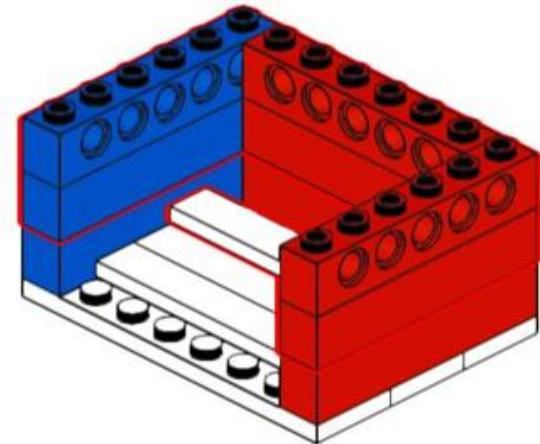
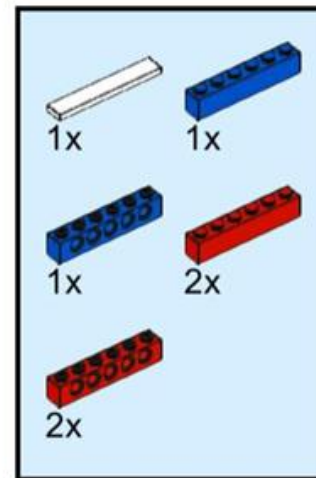
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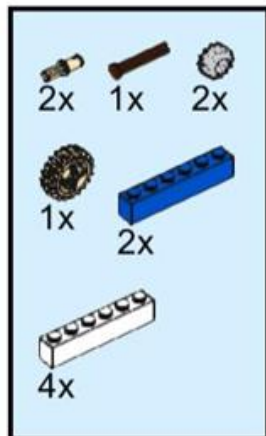
1 Oscillating Mechanism



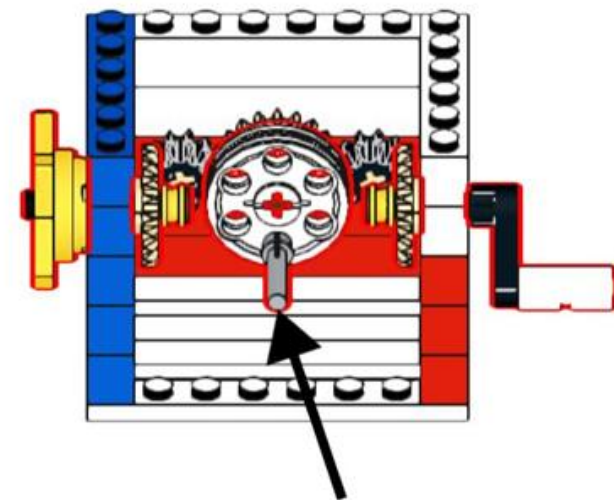
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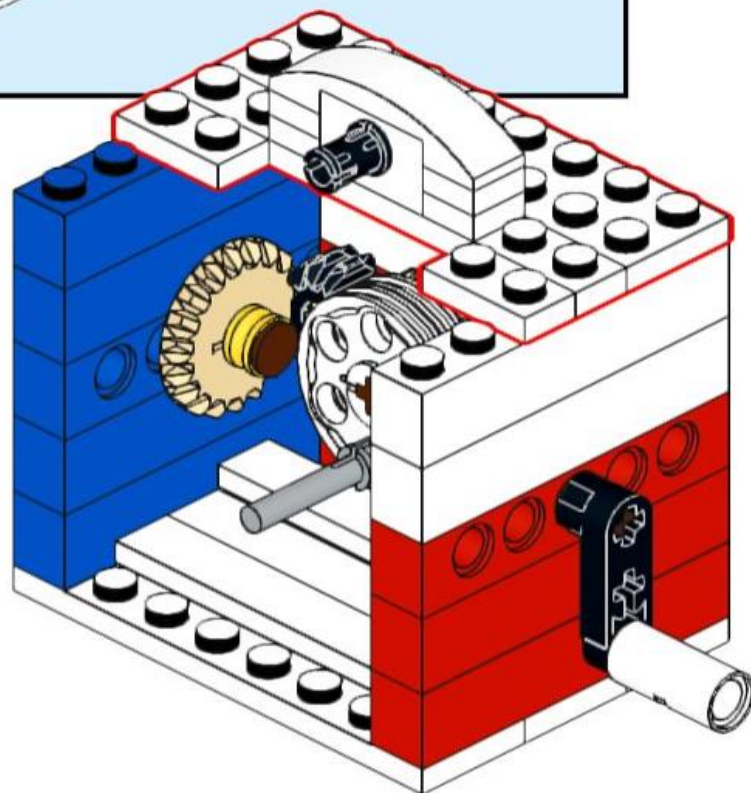
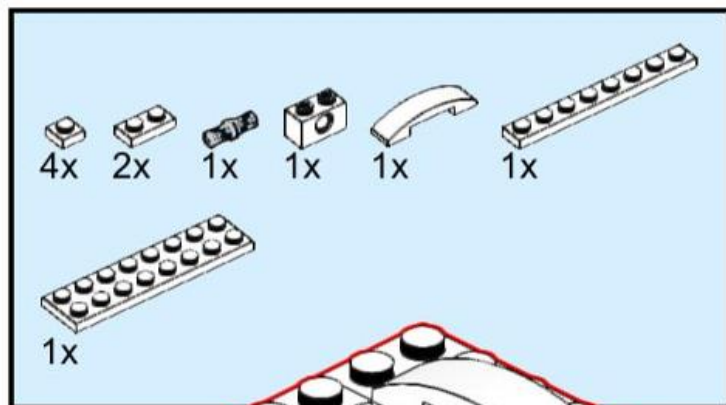


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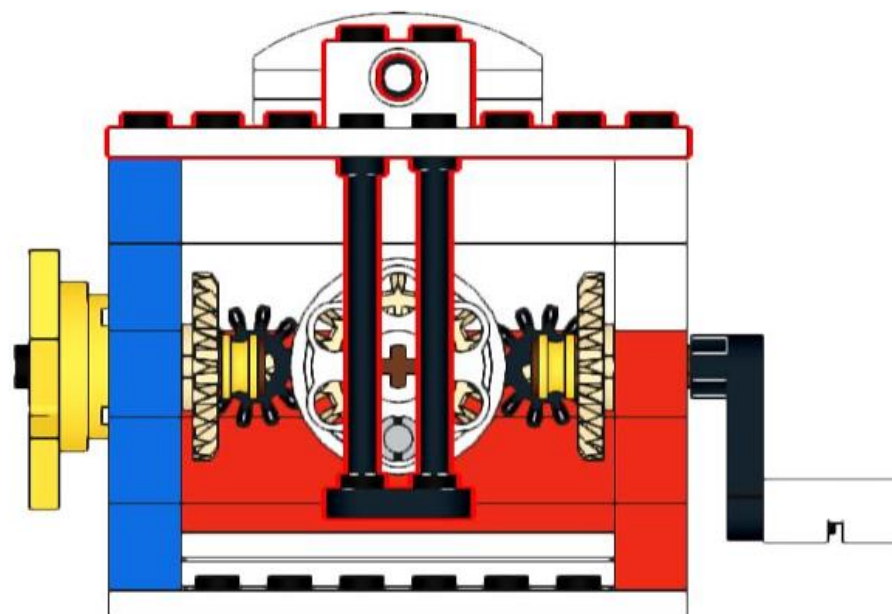
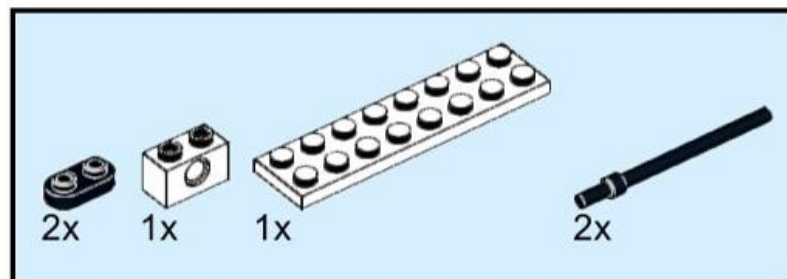


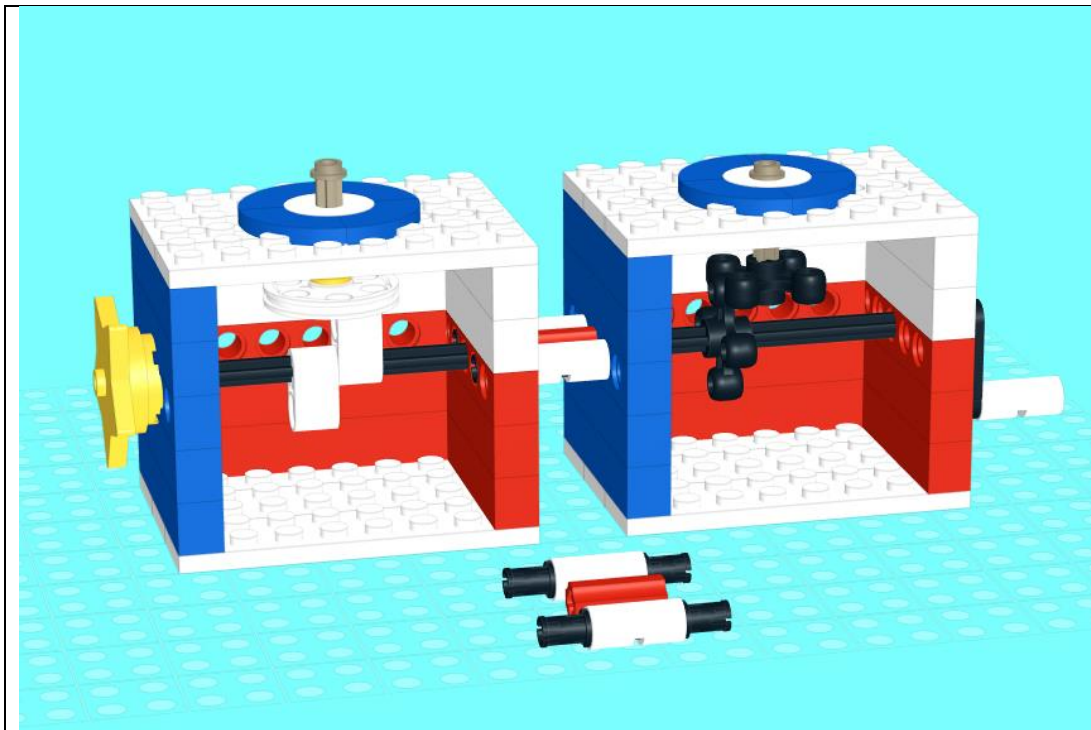
Insert the technic pin with bar inbetween the two pulley wheels.

5



6





Joining Modules together:

You will find some additional pieces in the kit that will enable you to join multiple mechanism modules together. Why not get together with some friends and make a lineup of multiple mechanisms to display some of your favourite minifigs.

Many thanks for taking part in the Mechanism Workshop at Brick Rodeo 2024

For lots more mechanism examples have a look at my social media on Instagram, Facebook or Twitter (X)

@thebrickconsultant and give me a follow. If you have been inspired to have a go at building your own MOC that includes some basic mechanisms, please do share and tag me **@thebrickconsultant**

Steve Guinness

