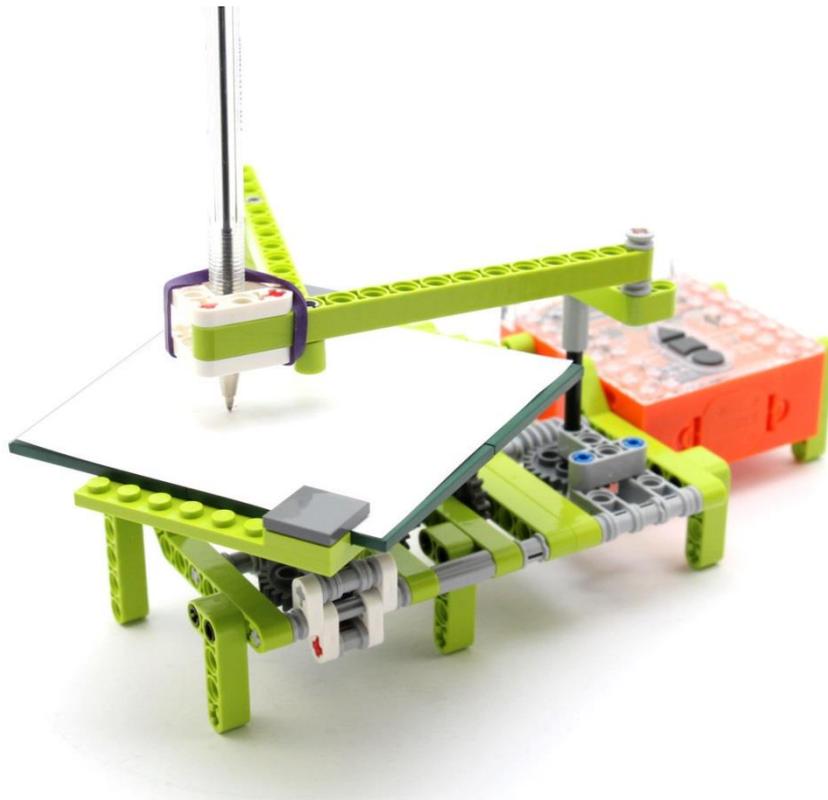




EdGraph

EdEngineering – Pack 1

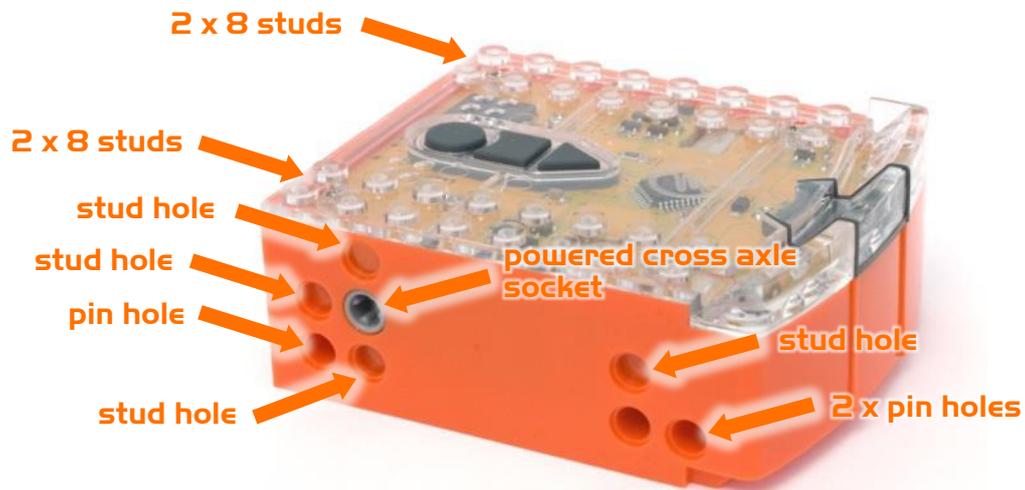


Available from

MyBrick.com.au

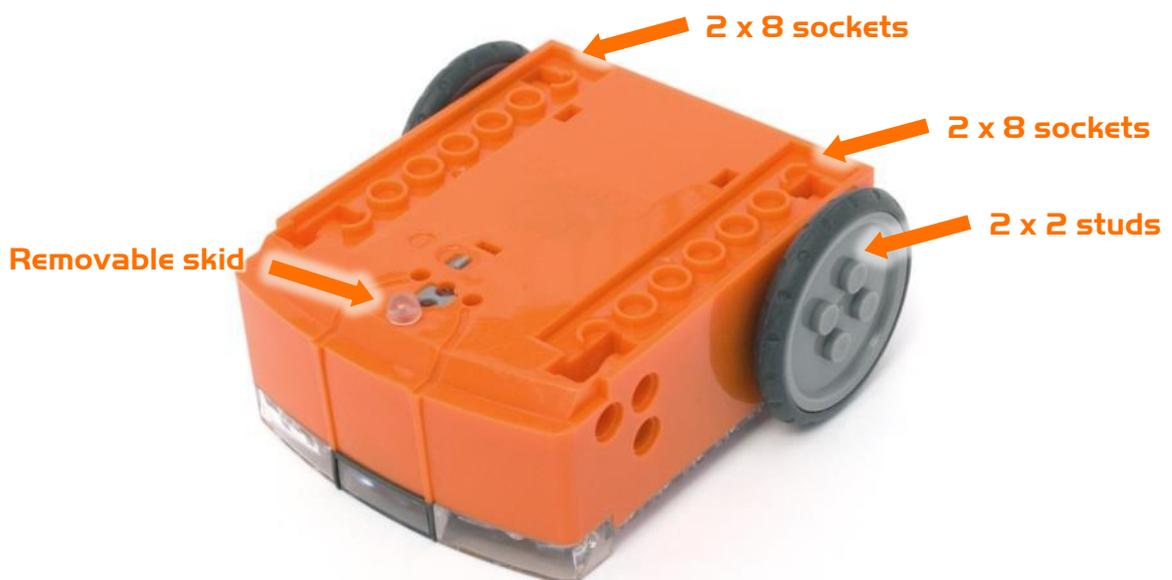
Edison and LEGO compatibility

LEGO bricks can be attached to the top and bottom of the Edison robot and LEGO pegs can be attached on the sides. There are three types of holes on the side of Edison:



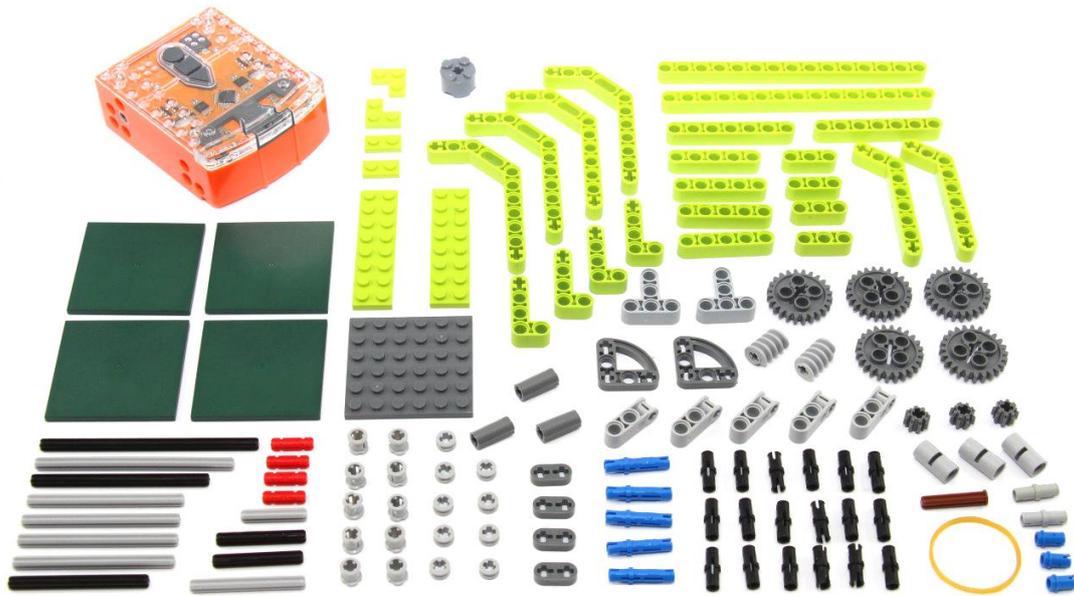
Edison's side and top LEGO connections

Hole type	Description	Connects to
Pin hole	Full depth for connecting pegs	
Stud hole	Normal stud depth can be used for half pegs	
Cross axle	Powered output that rotates	



Edison's bottom and wheel LEGO connections

EdGraph Parts



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



Step 7



Step 8



Step 9



Step 10



Step 11



Step 12



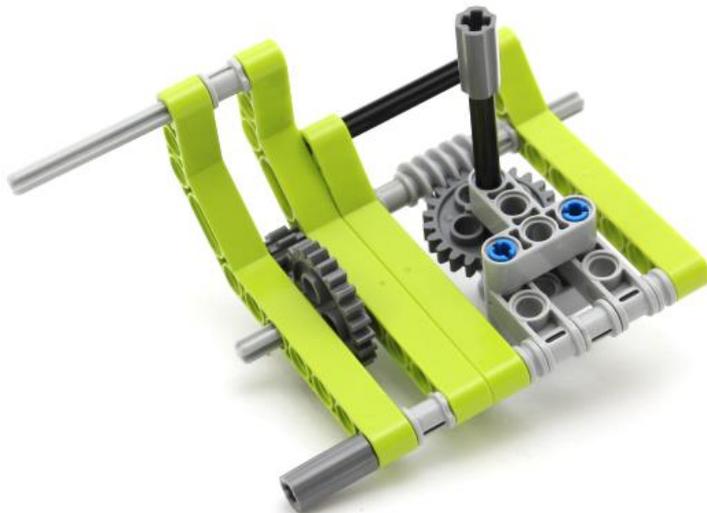
Step 13



Step 14



Step 15



Step 16



Step 17



Step 18



Step 19



Step 20



Step 21



Step 22



Step 23



Step 24



Step 25



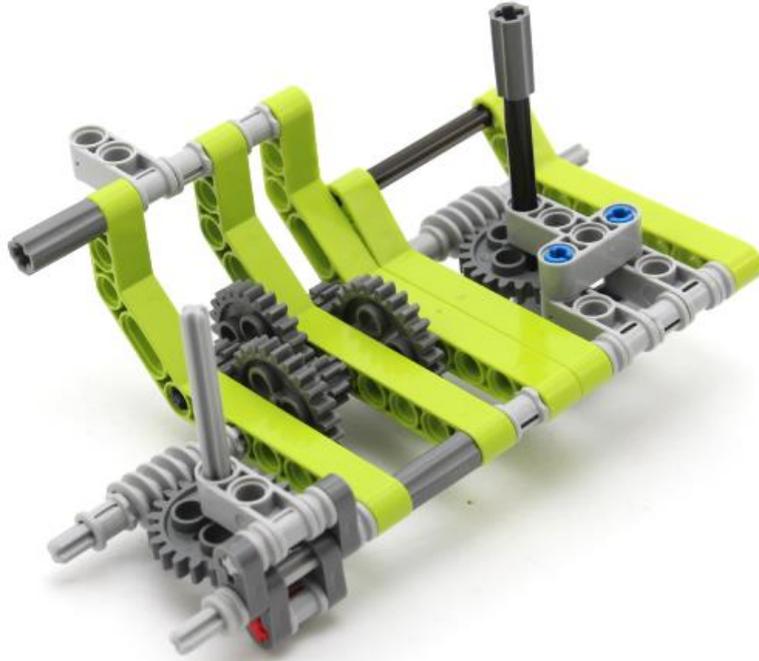
Step 26



Step 27



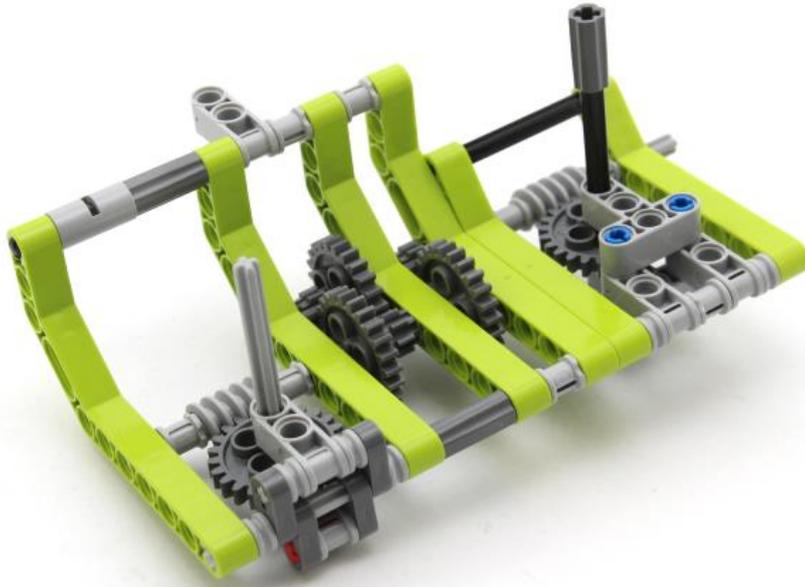
Step 28



Step 29



Step 30



Step 31



Step 32



Step 33



Step 34



Step 35



Step 36



Step 37



Step 38



Step 39



Step 40



Step 41



Step 42



Step 43



Step 44



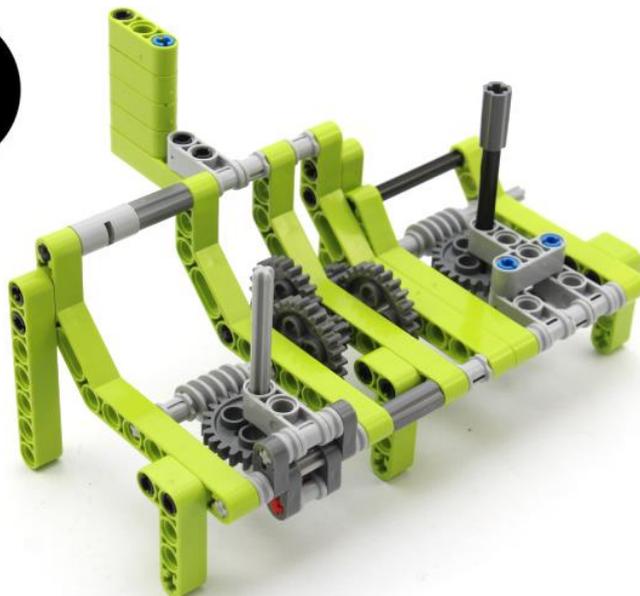
Step 45



Step 46



Step 47



Step 48



Step 49



Step 50



Step 51



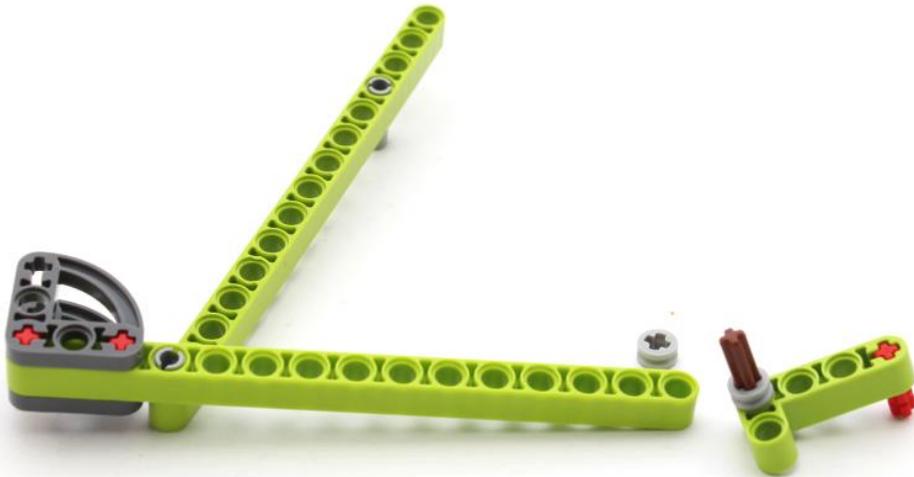
Step 52



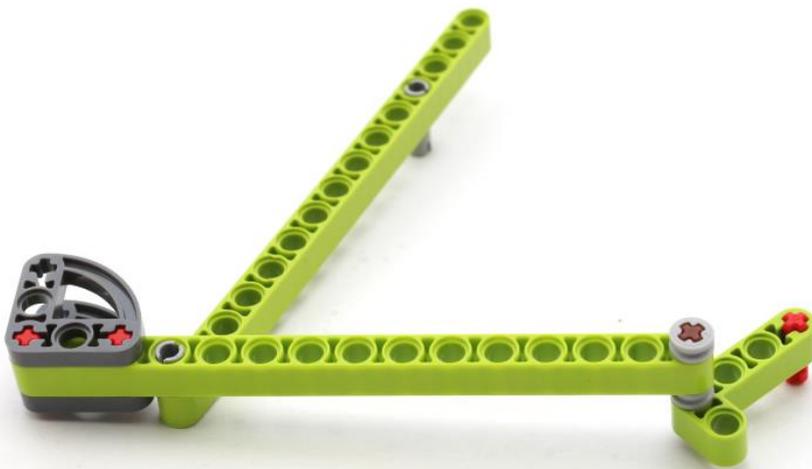
Step 53



Step 54



Step 55



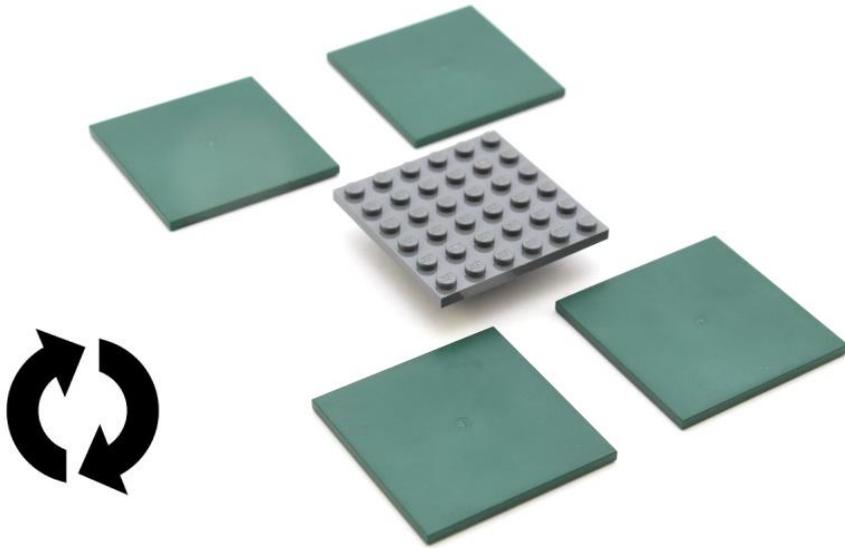
Step 56



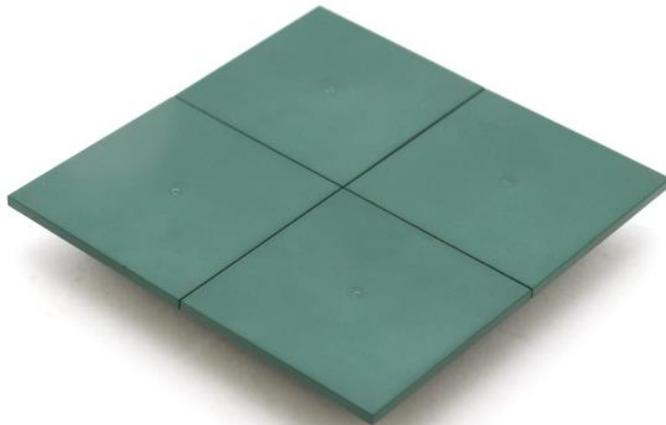
Step 57



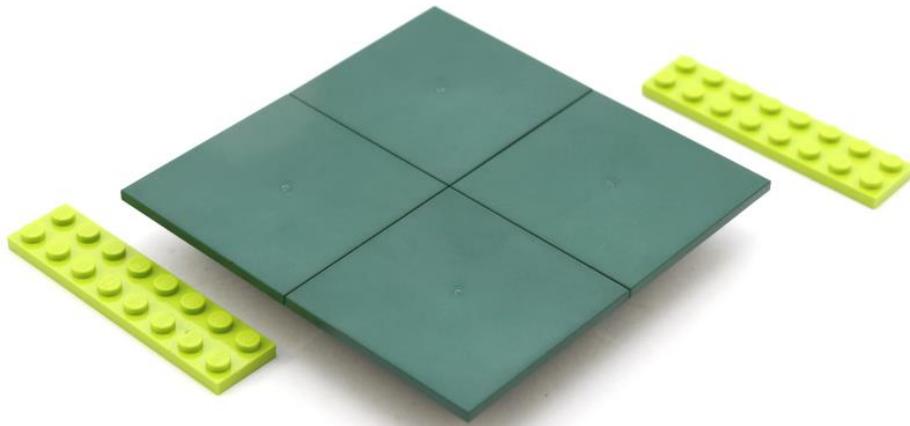
Step 58



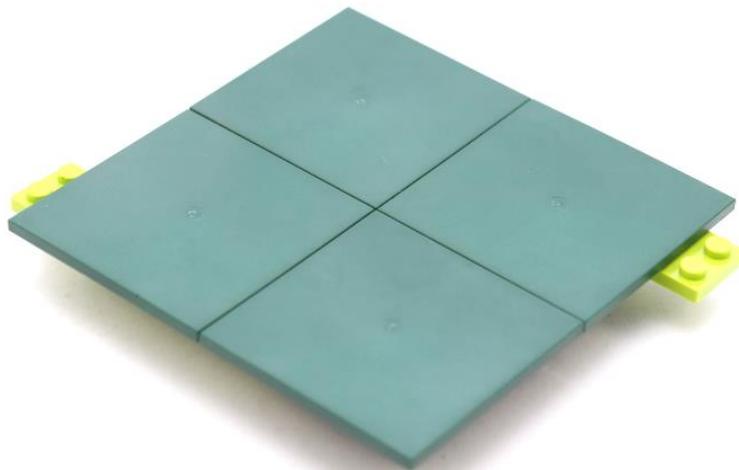
Step 59



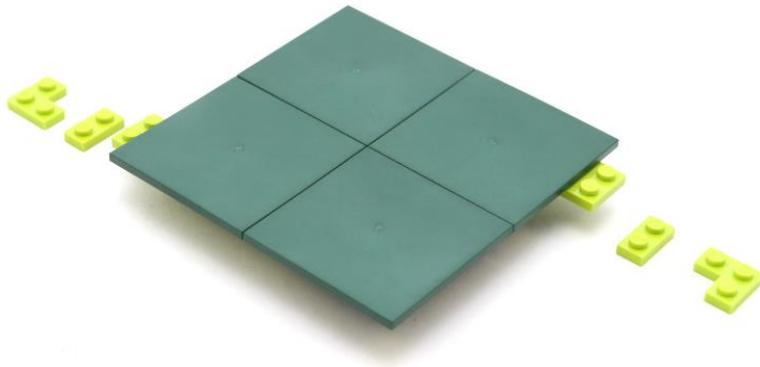
Step 60



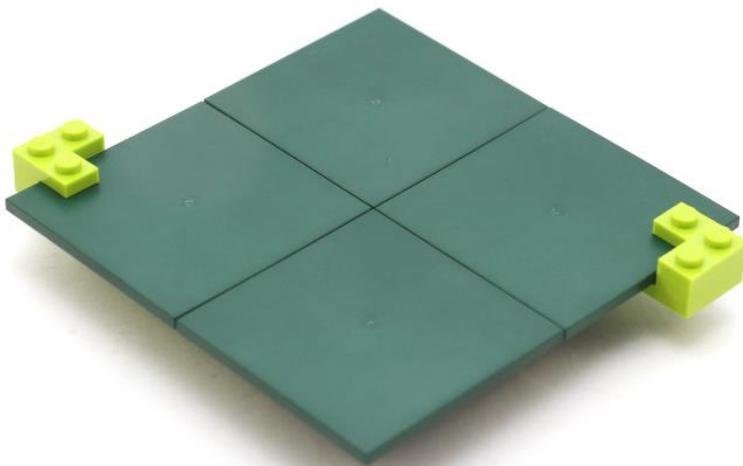
Step 61



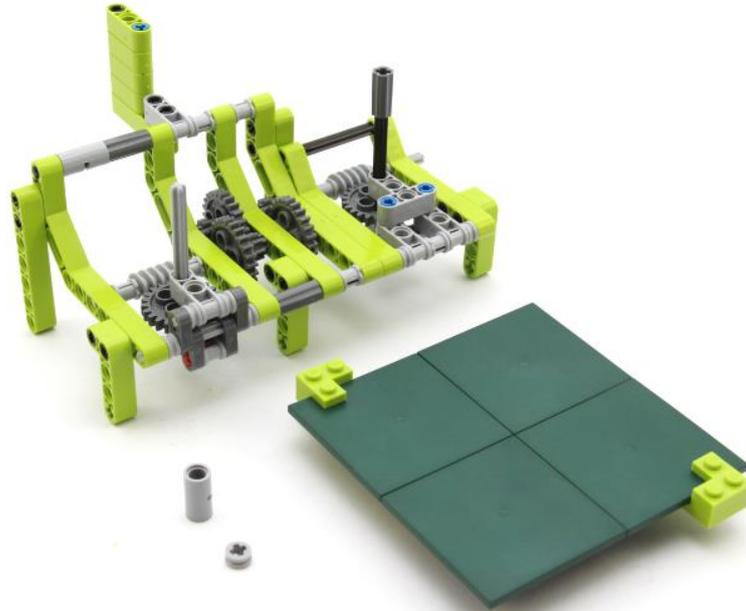
Step 62



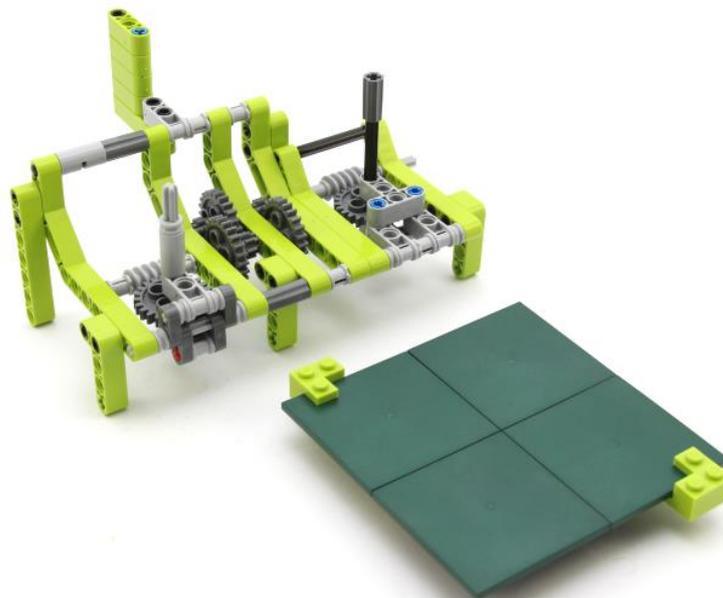
Step 63



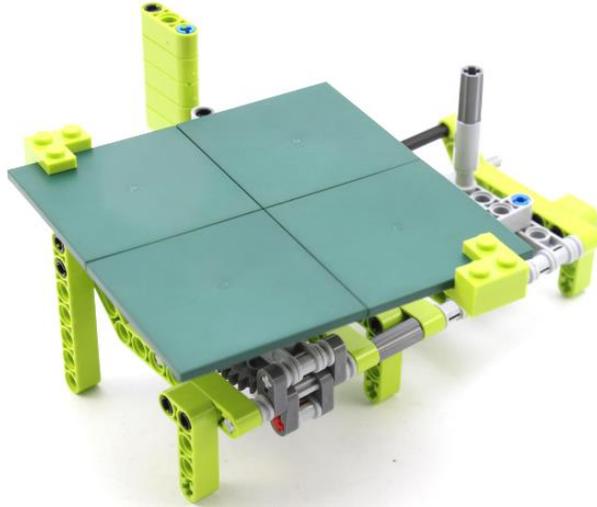
Step 64



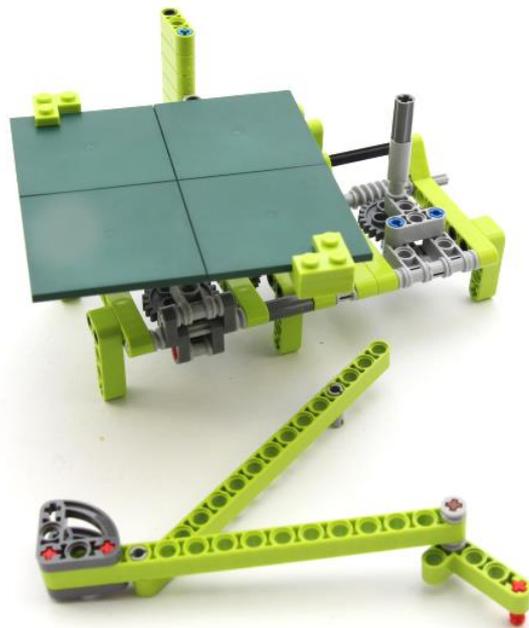
Step 65



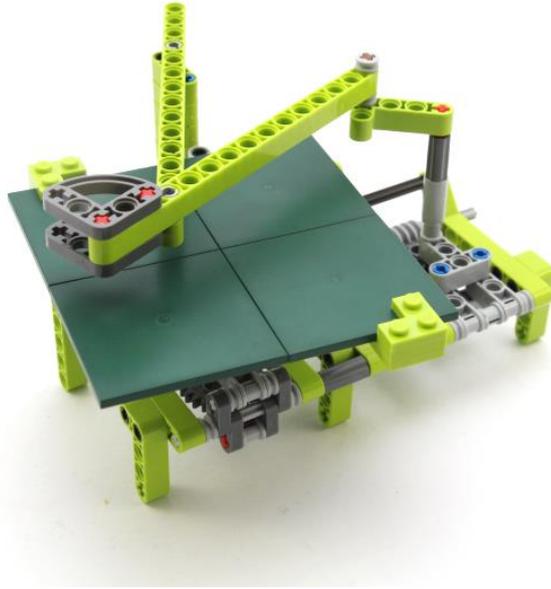
Step 66



Step 67



Step 68



Step 69



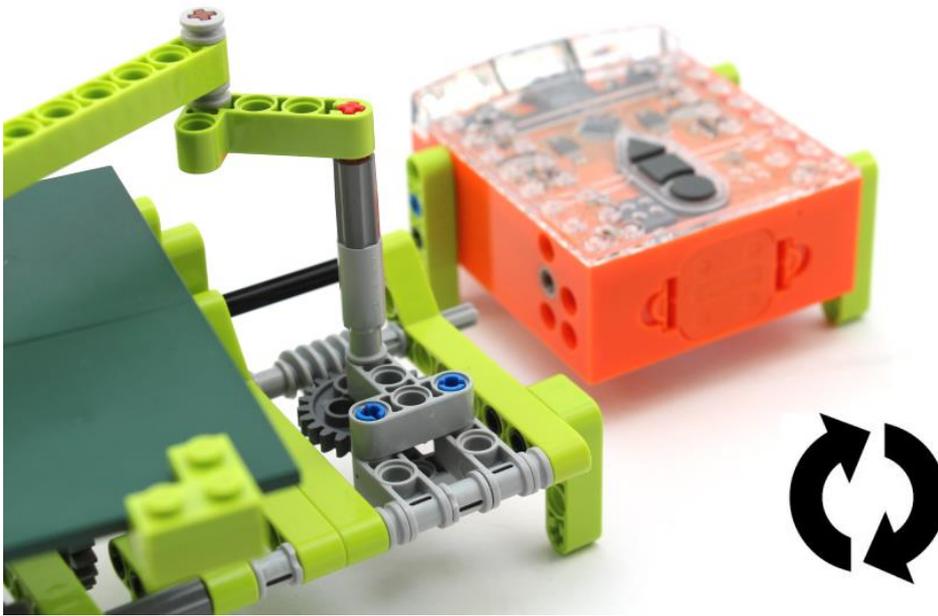
Step 70



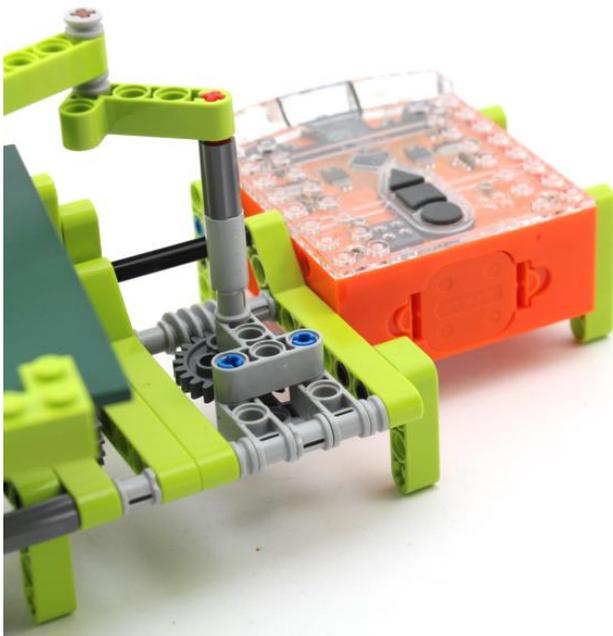
Step 71



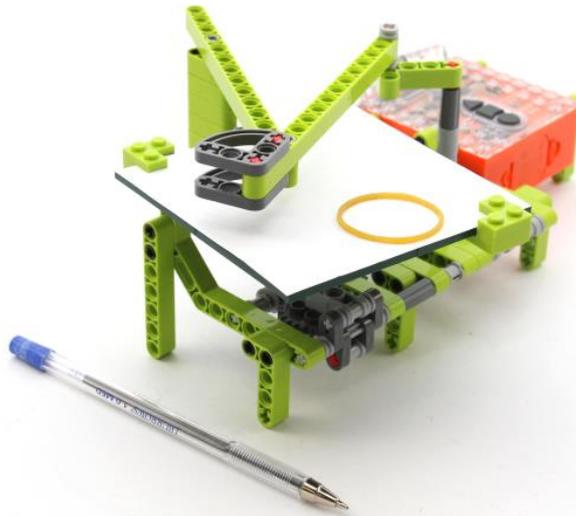
Step 72



Step 73

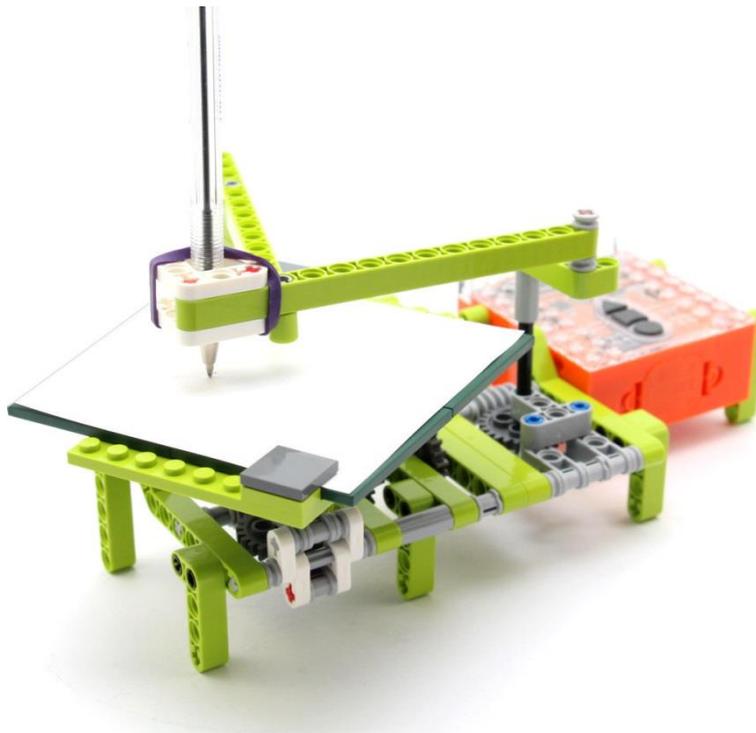


Step 74



Step 75





Edison does not need any programming with EdGraph

We only need to run Edison's motor,

Which can be achieved simply by:

pressing the program button 3 times to start.

Press the Stop button to Stop

Make sure you have some paper on the drawing plate at the pen securely in the pen holder with a rubber band. You may have to adjust the position of the pen, if there is not enough down pressure onto the paper.

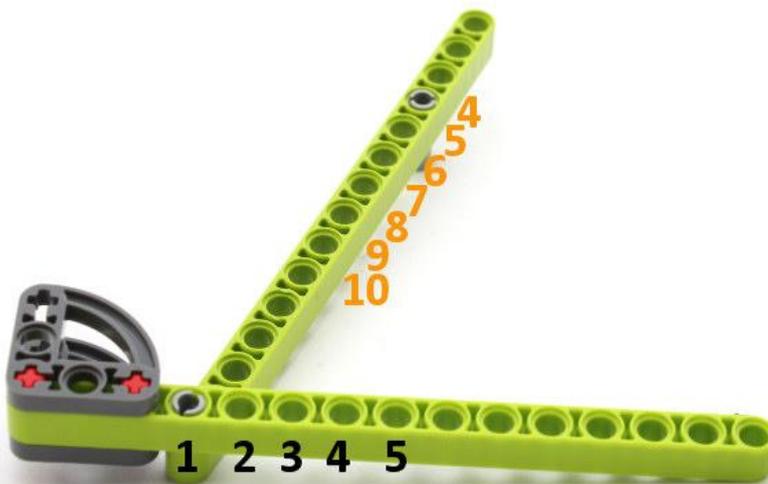
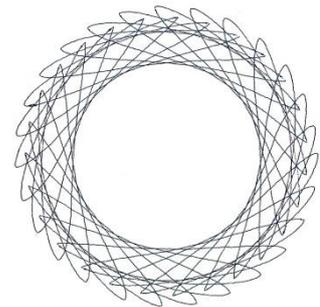


Start Edison' Motor and after a few minutes, Edison should draw a pattern similar to this one.

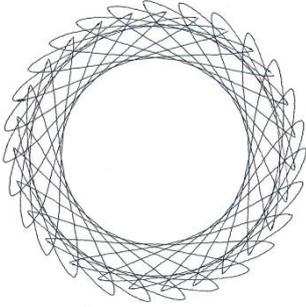
Look at the picture above and take note of the hole numbers and where the grey pins are.

Hole 1 and Hole 4 draws a pattern similar to this one.

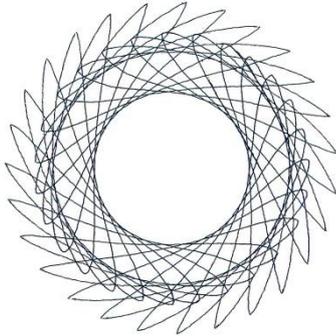
You can draw other patterns by changing the grey pins positions



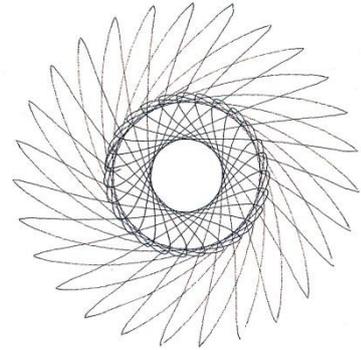
EdGraph Patterns



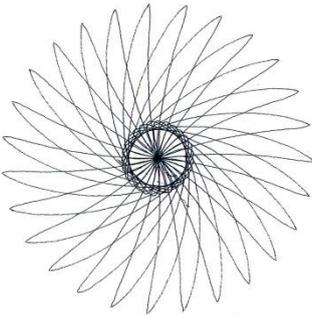
1 - 4



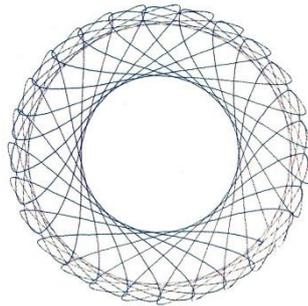
2 - 4



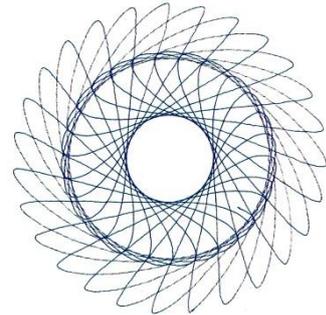
3 - 4



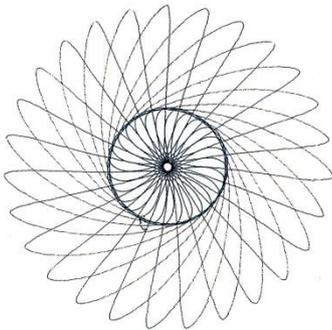
4 - 4



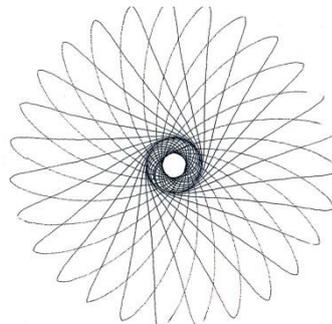
2 - 5



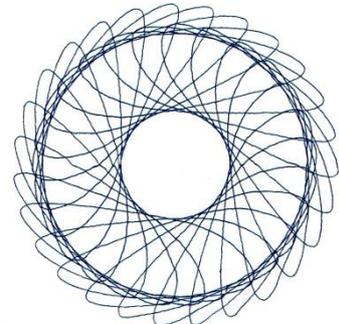
3 - 5



4 - 5

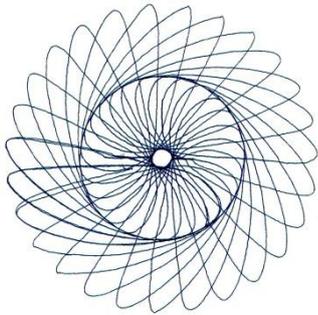


5 - 5

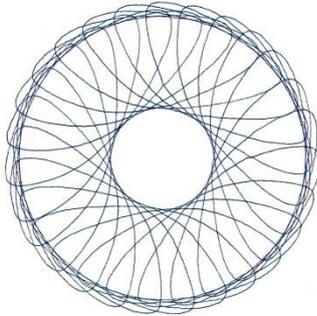


3 - 6

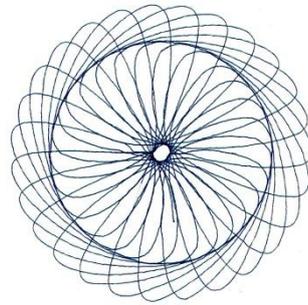
EdGraph Patterns



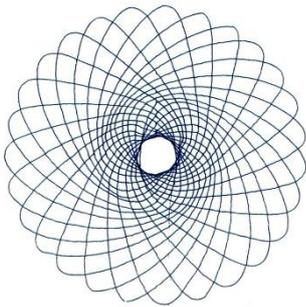
4 - 6



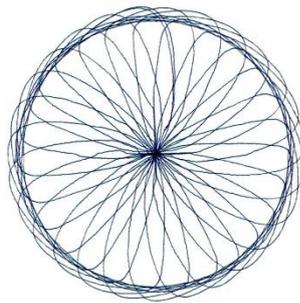
3 - 7



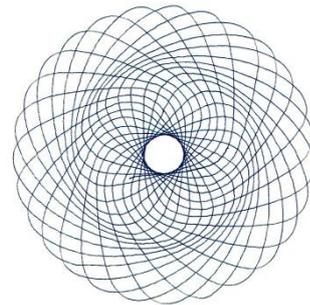
4 - 7



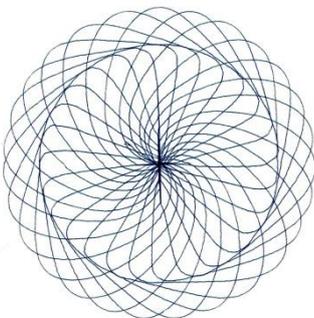
5 - 7



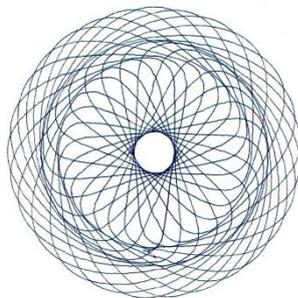
4 - 8



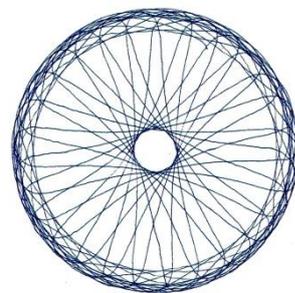
5 - 8



6 - 8



5 - 9



5 - 10