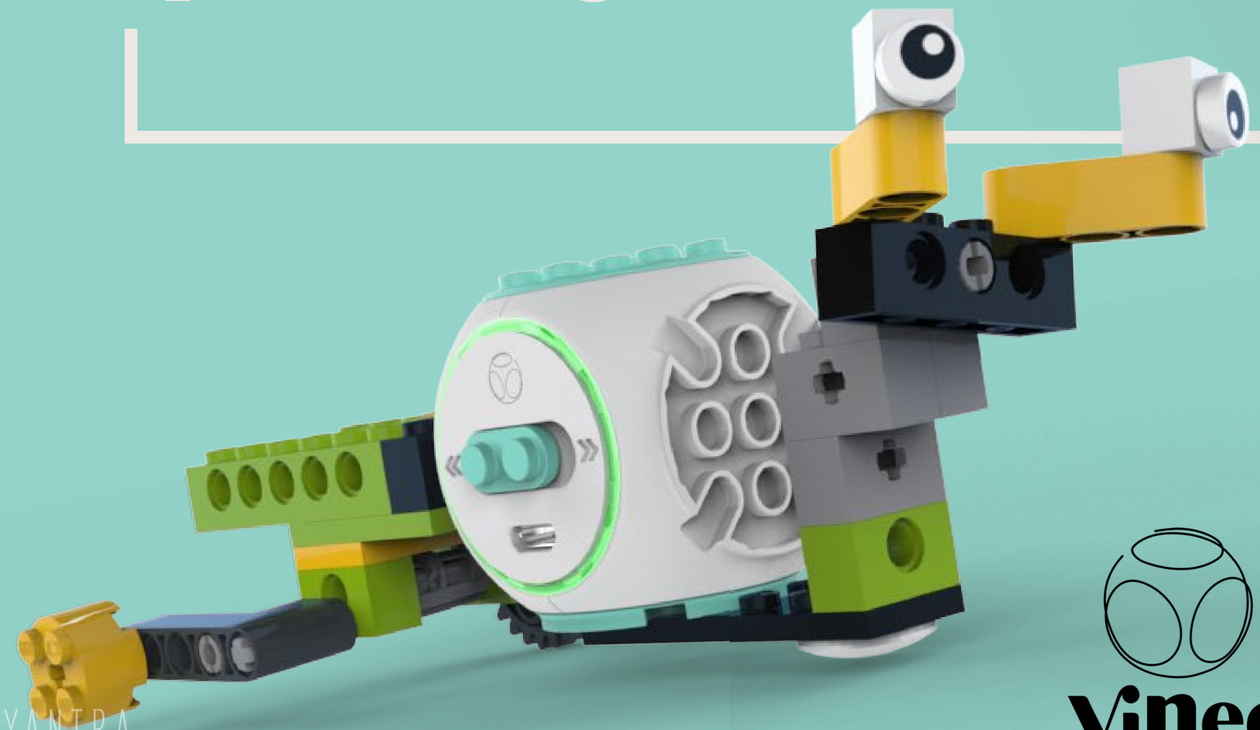
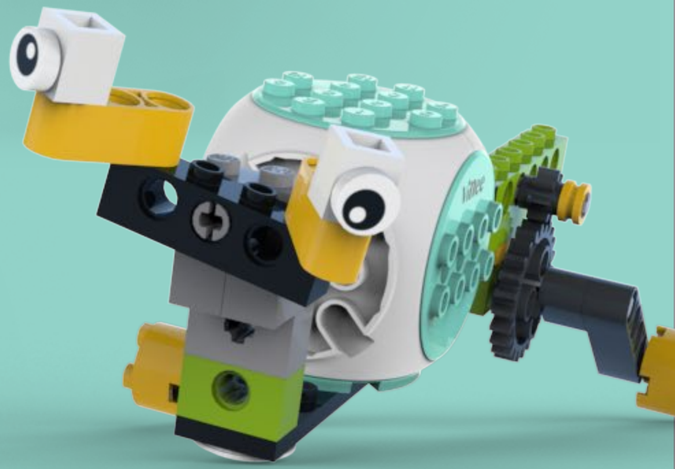
Start
Building!

Speedy Snail

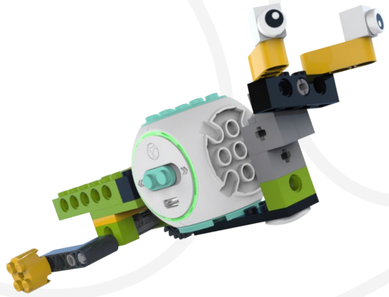




Vinee

YANTRA ROBOTICS

Speedy Snail

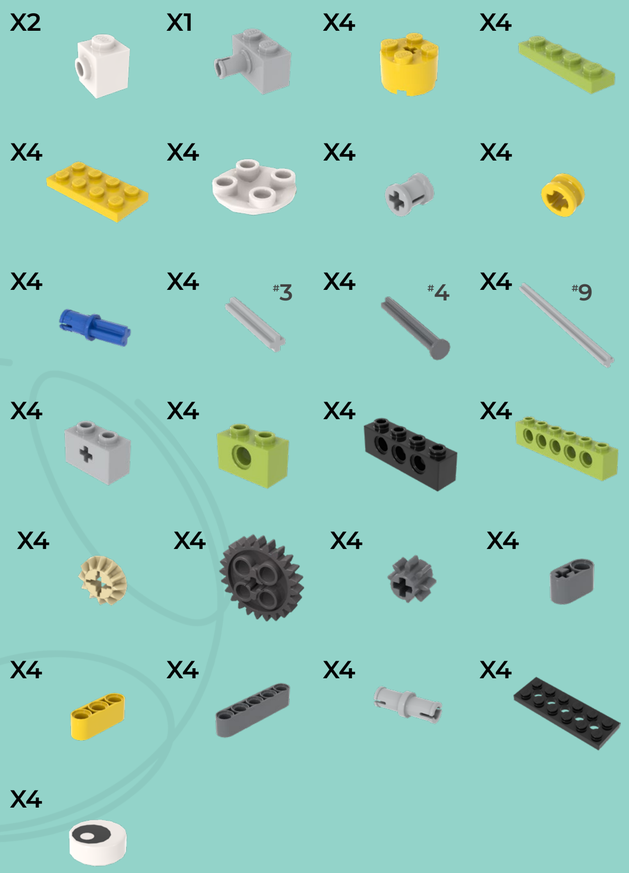


Description: Speed Snail uses Bevel Gears (beveled teeth that can mesh at a 90° angles) to transfer power from one direction into the direction of the “Leg’s” axle. The “legs” can be adjusted in different orientations to affect the overal motion.

ViNee Set: Essential

Learn:
- Crown Gear
- Gear Ratio
- Walking

Parts In This Build



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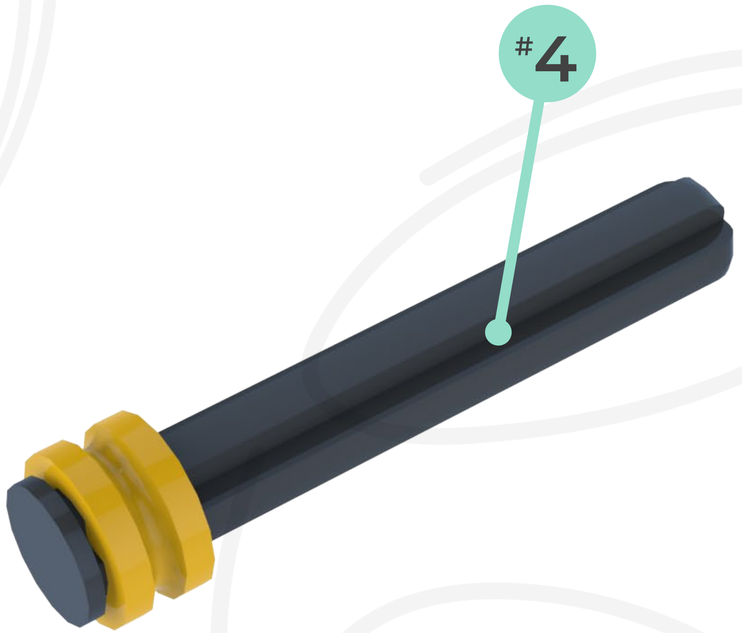

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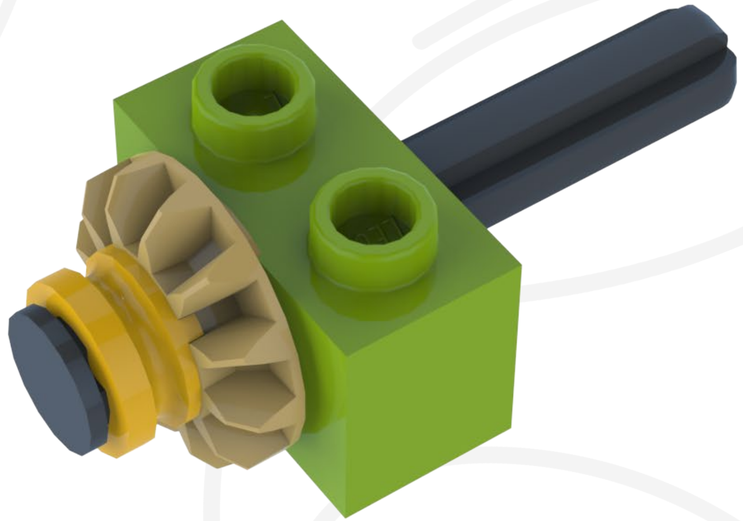

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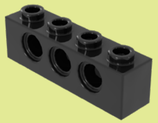

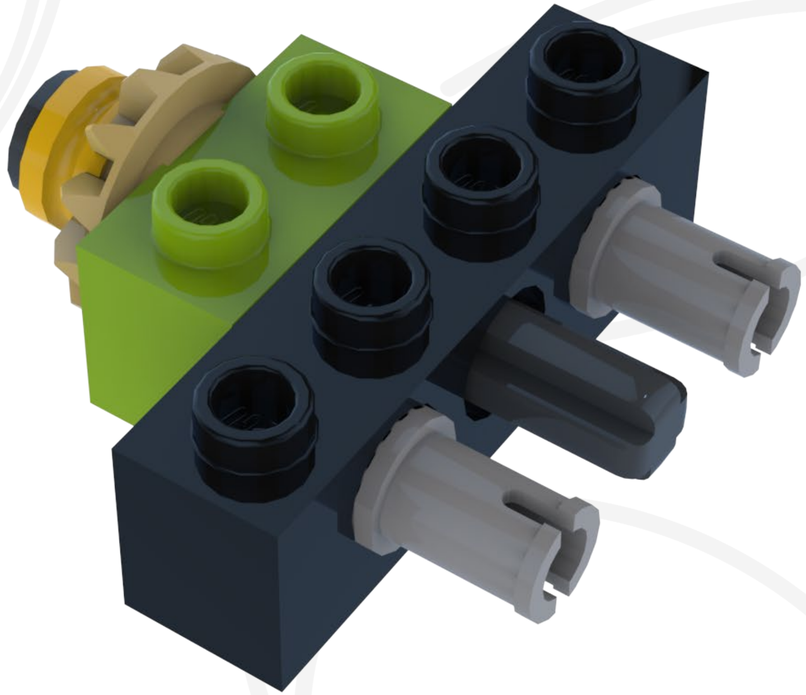

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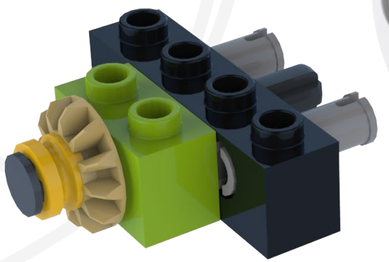

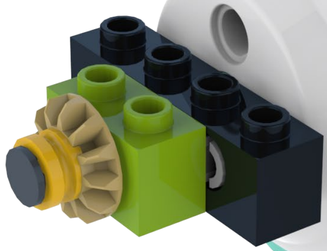

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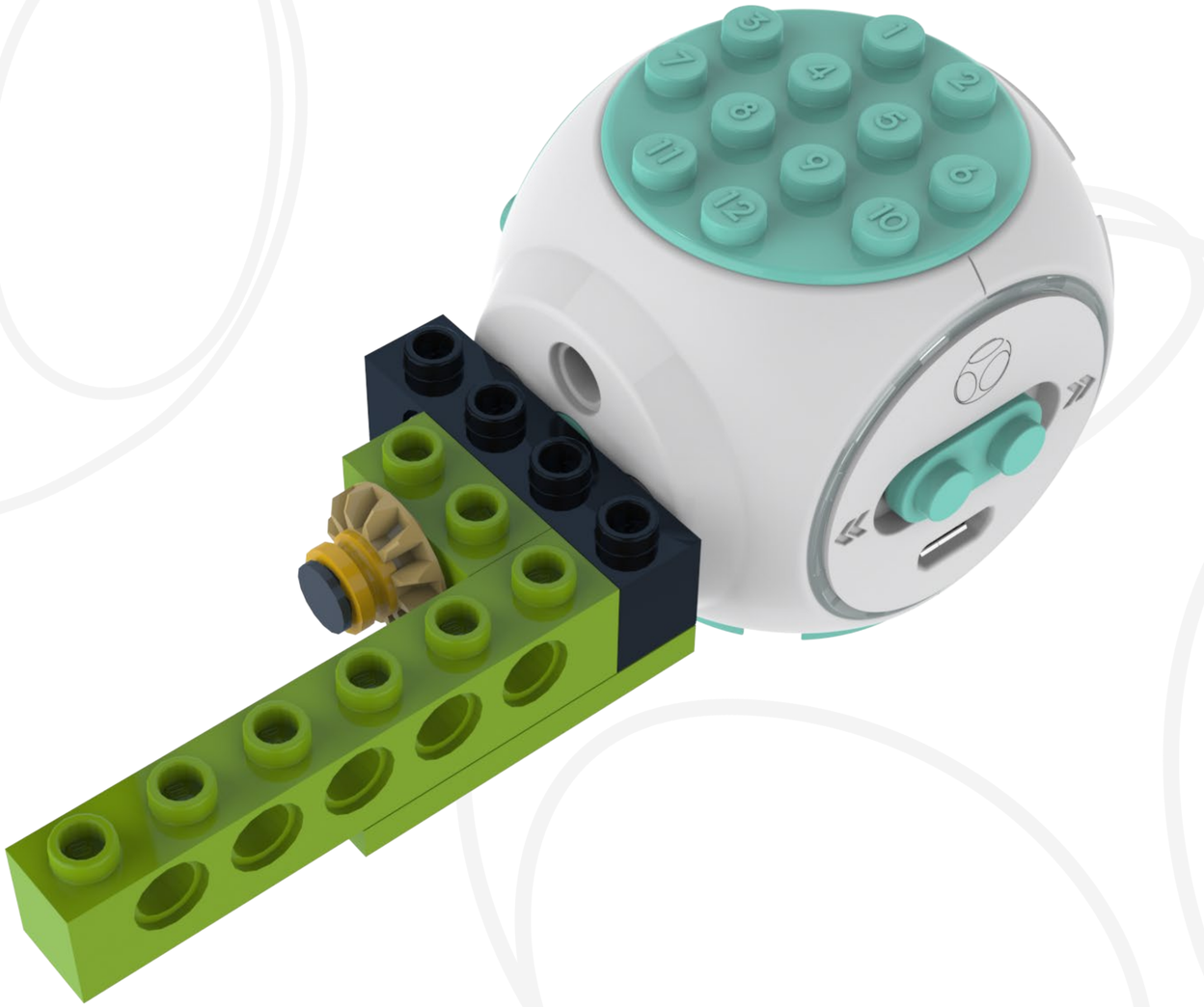

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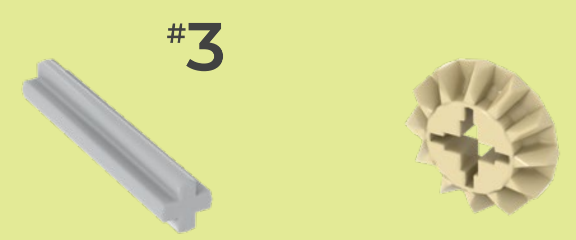
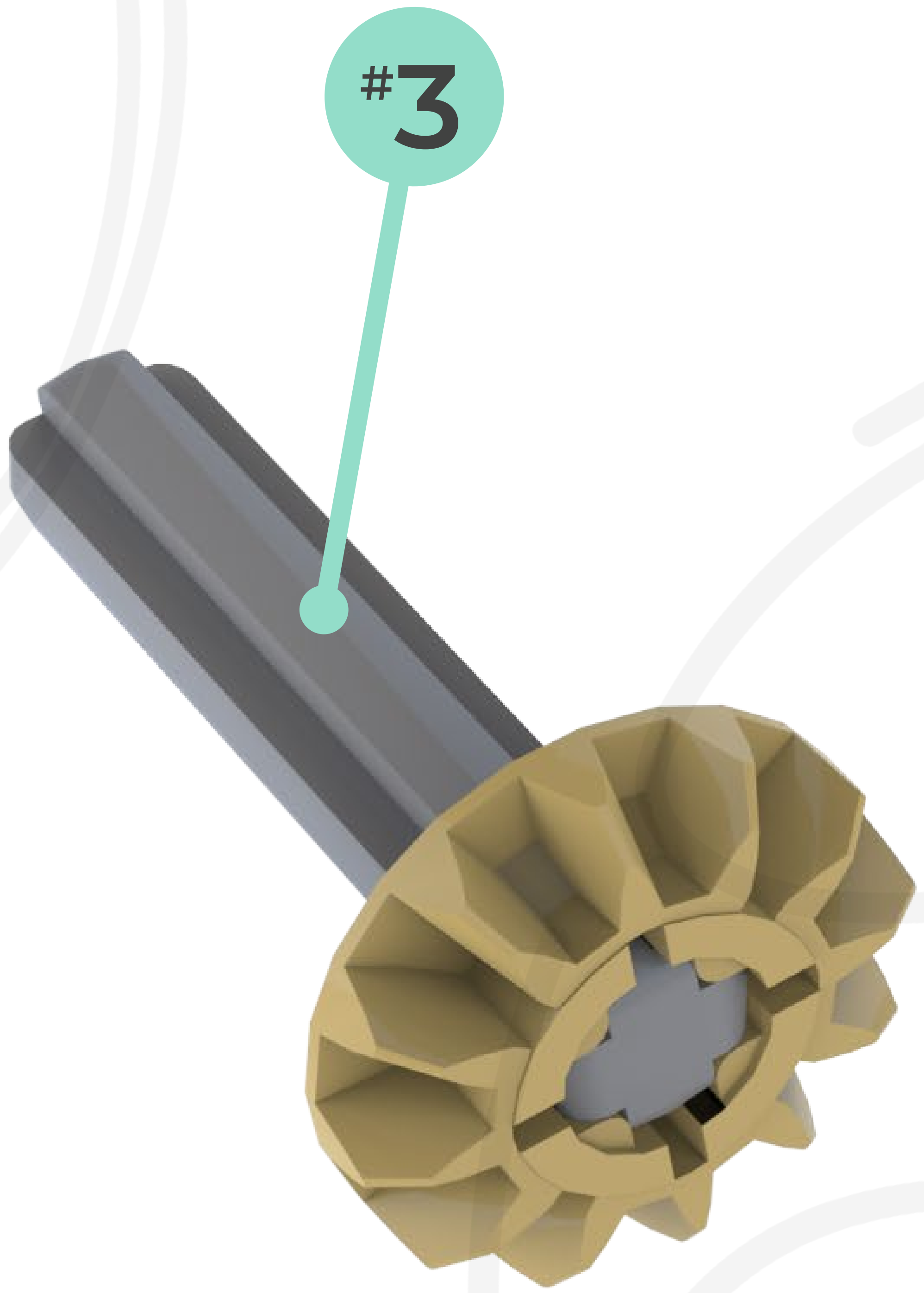


New Assembly



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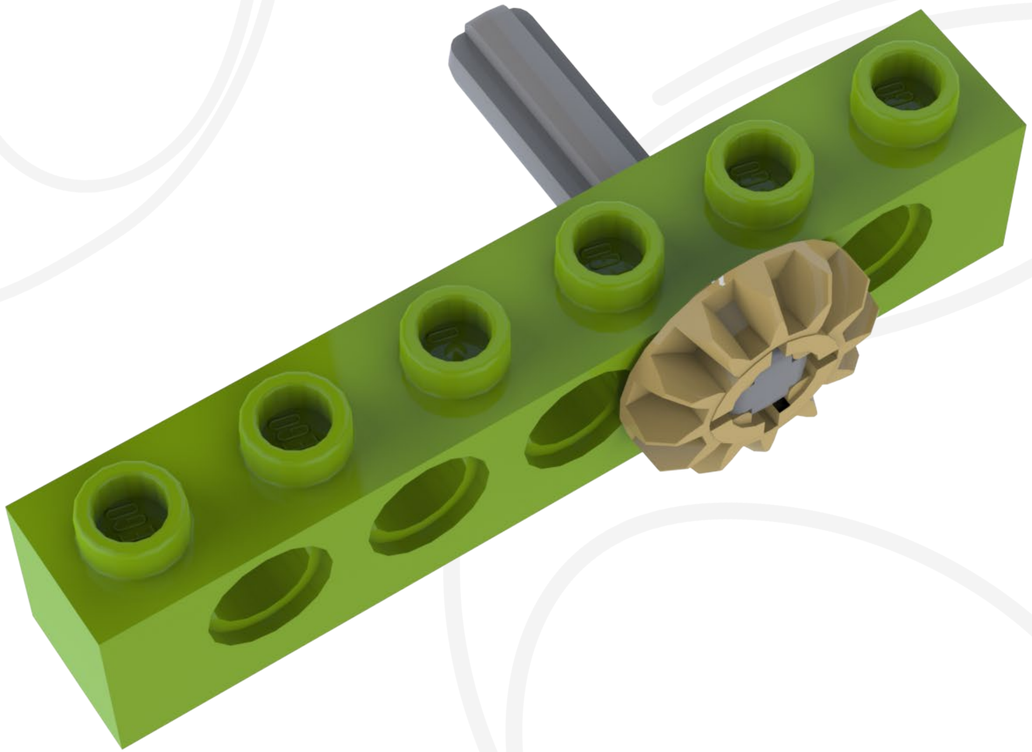

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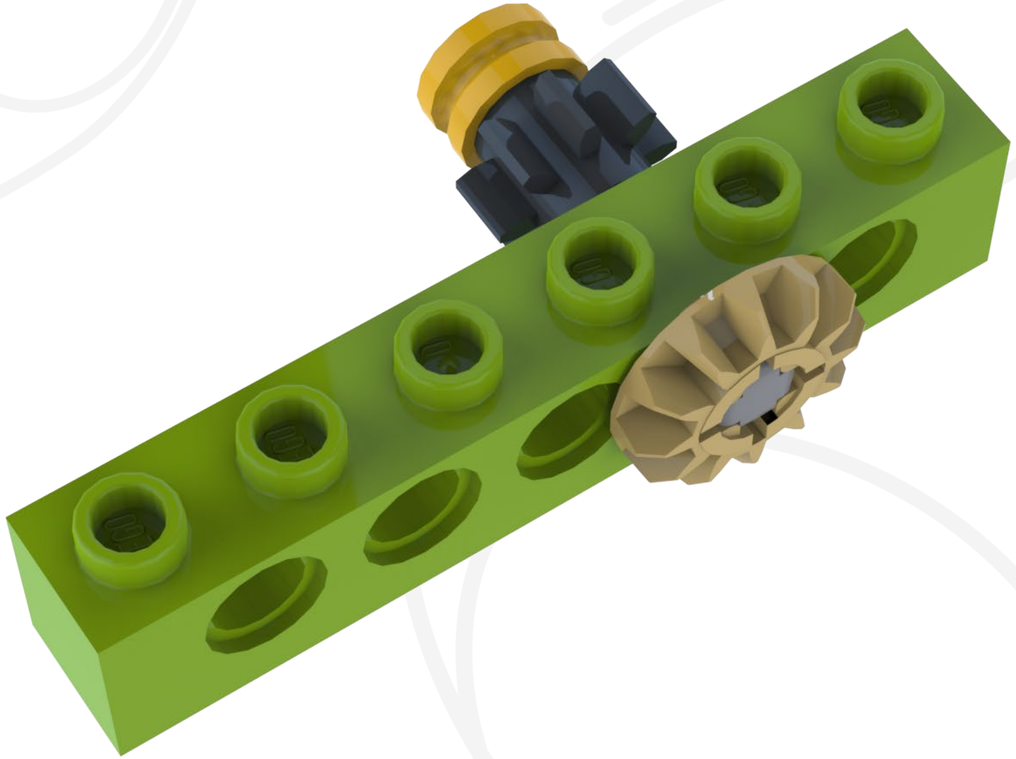

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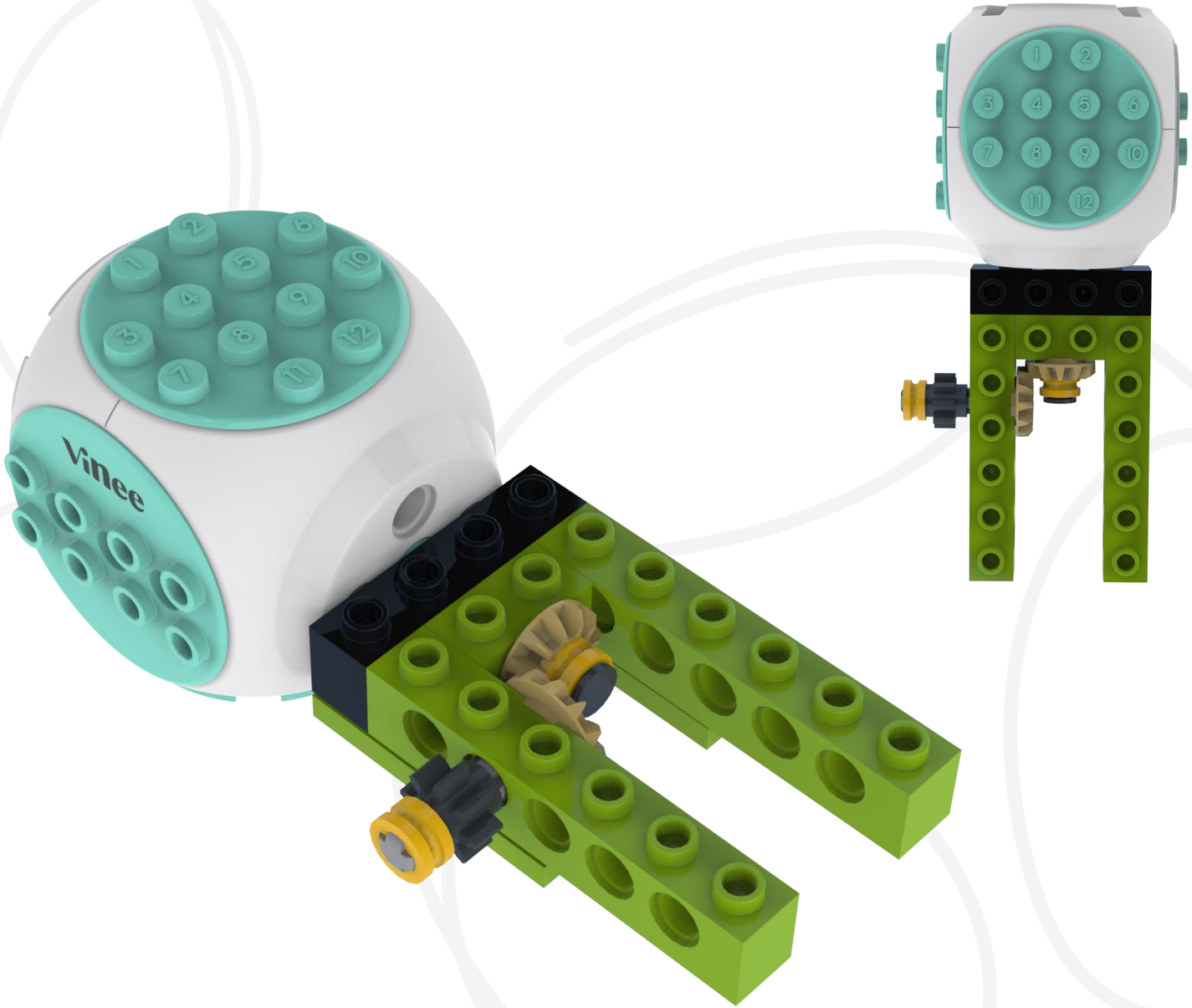
Attach



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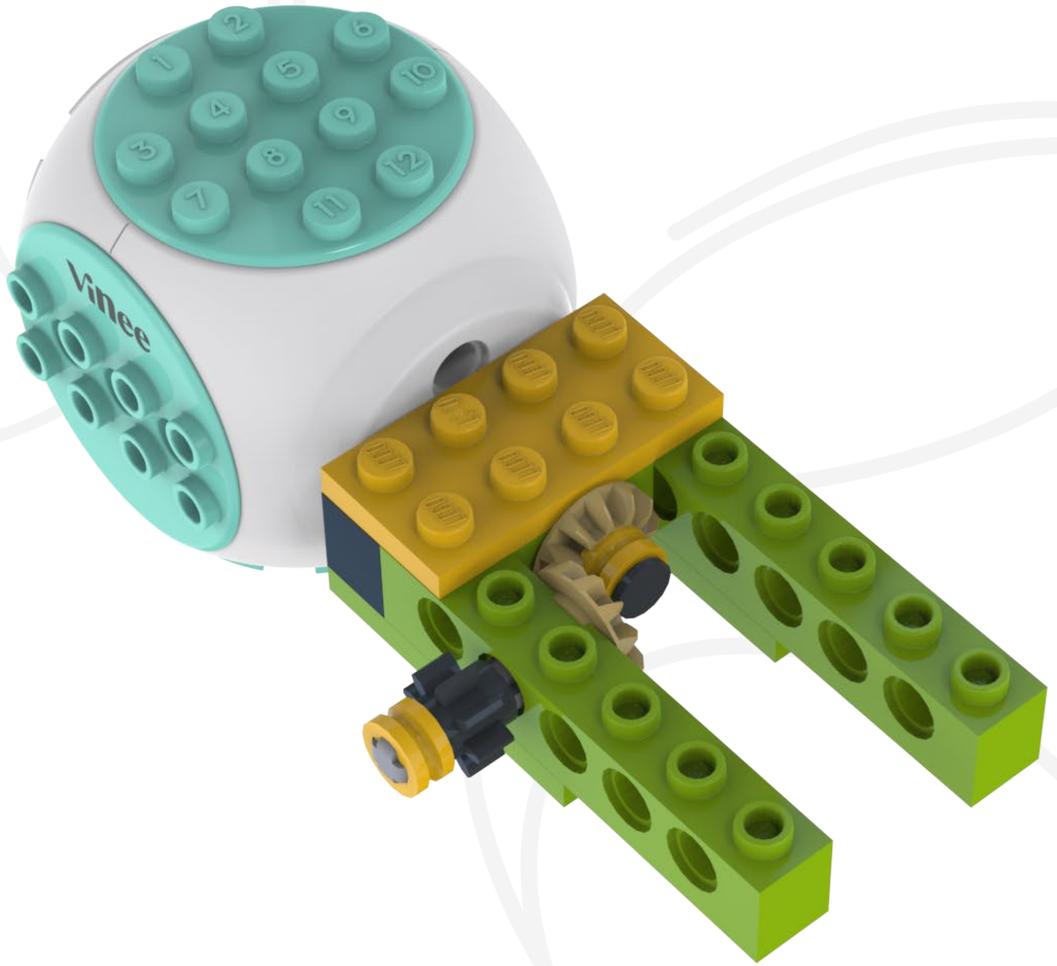

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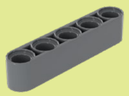

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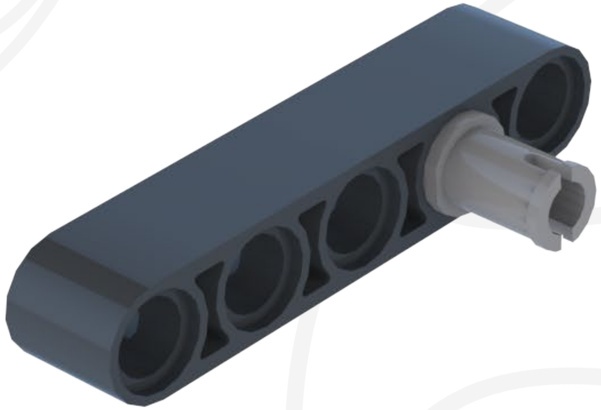

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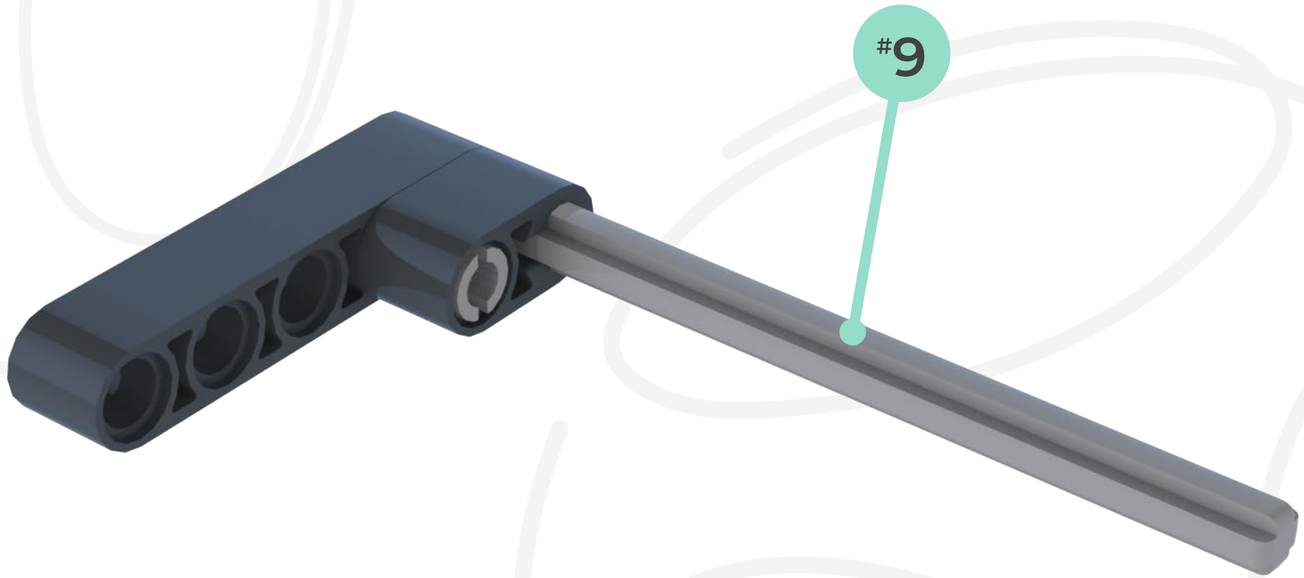

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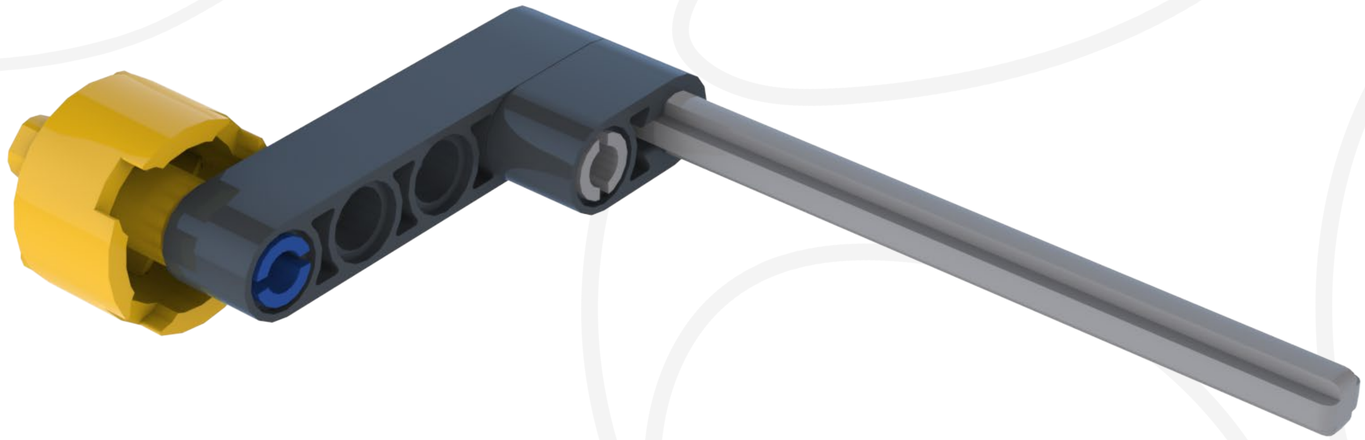

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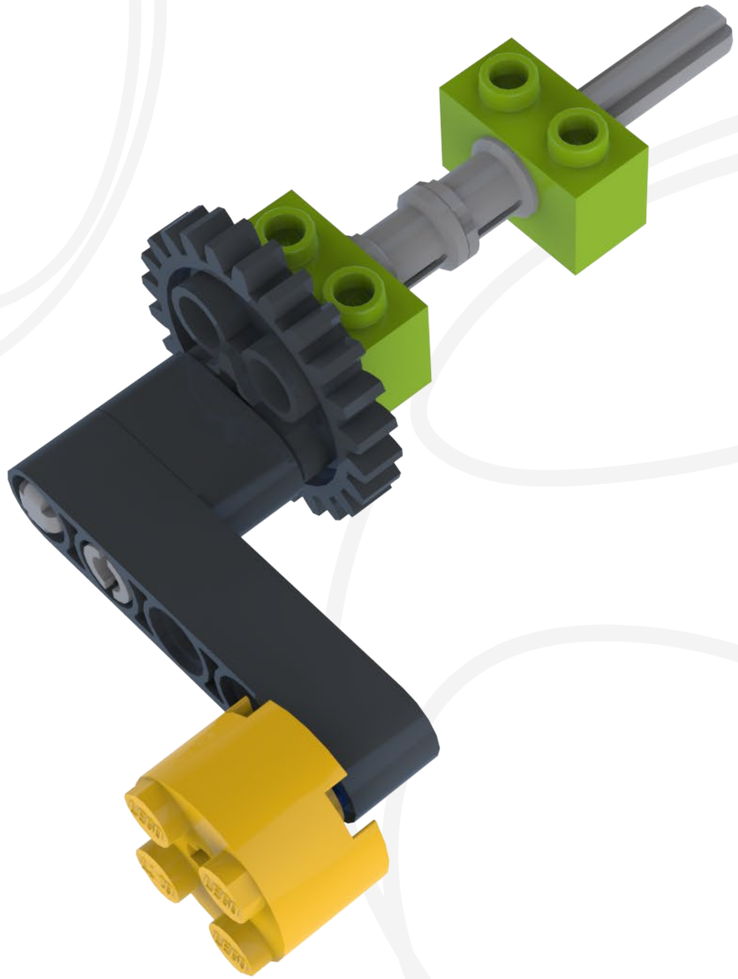

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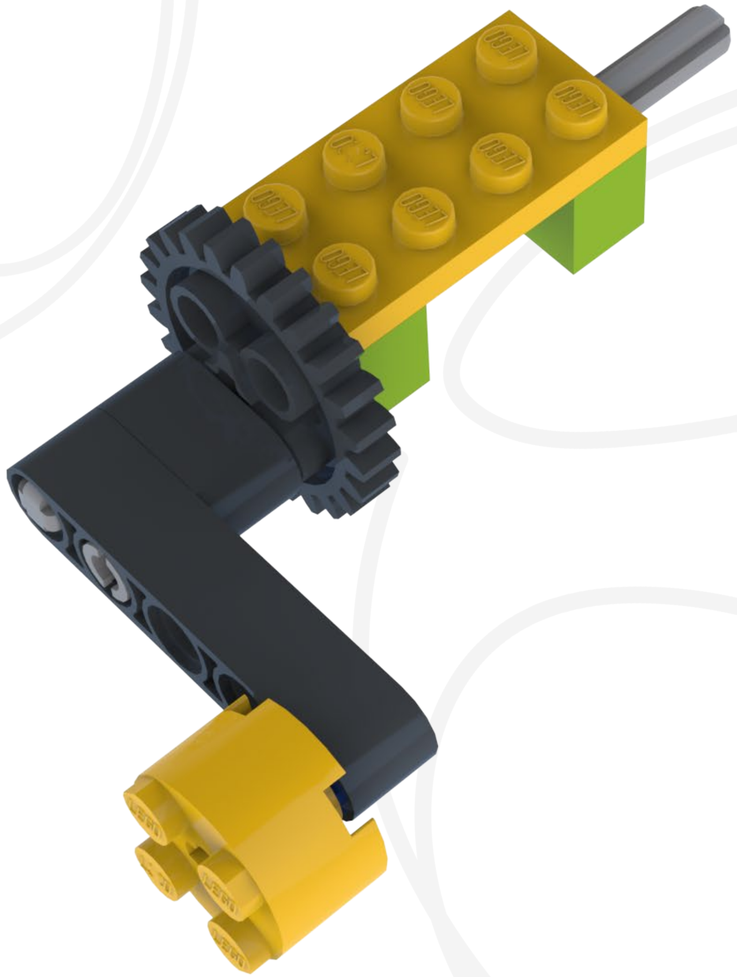

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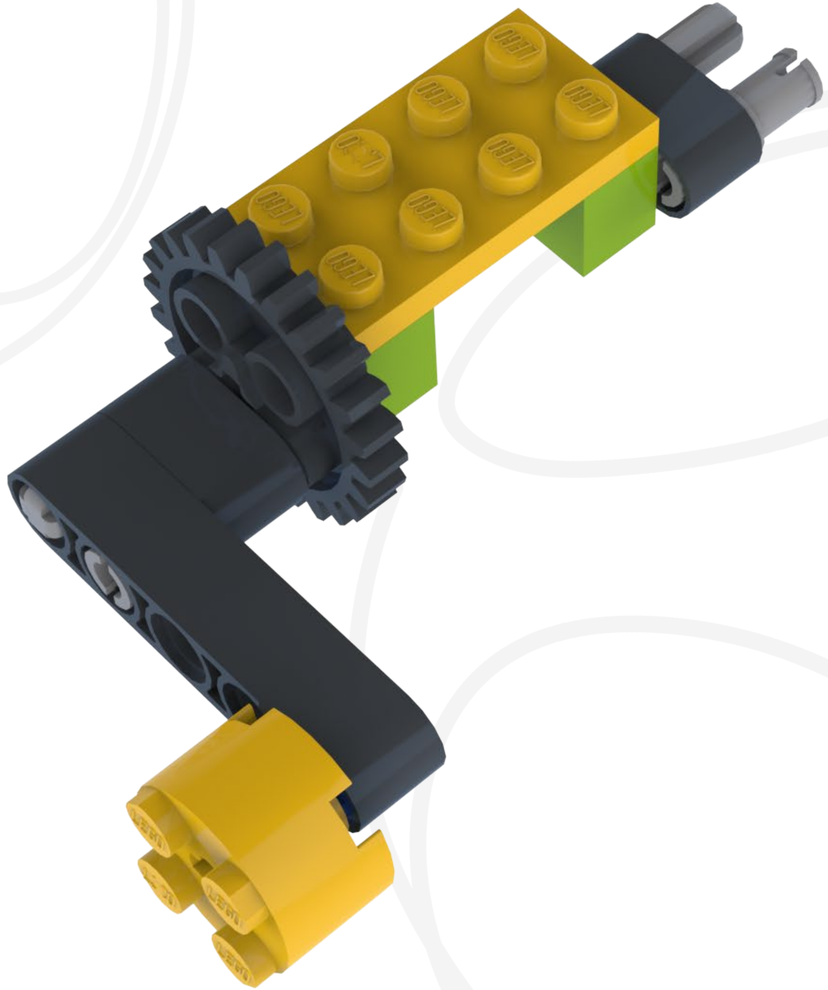

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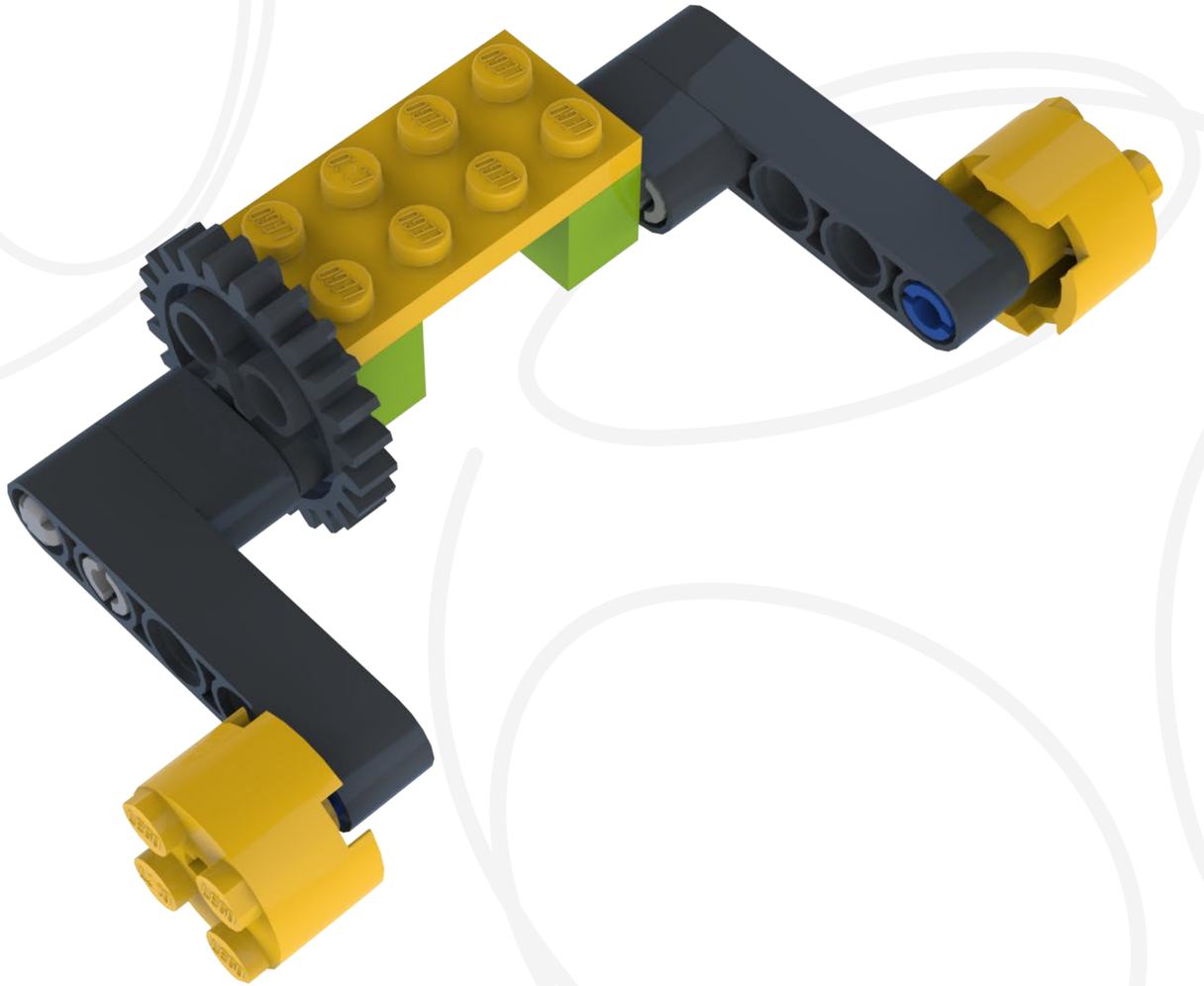

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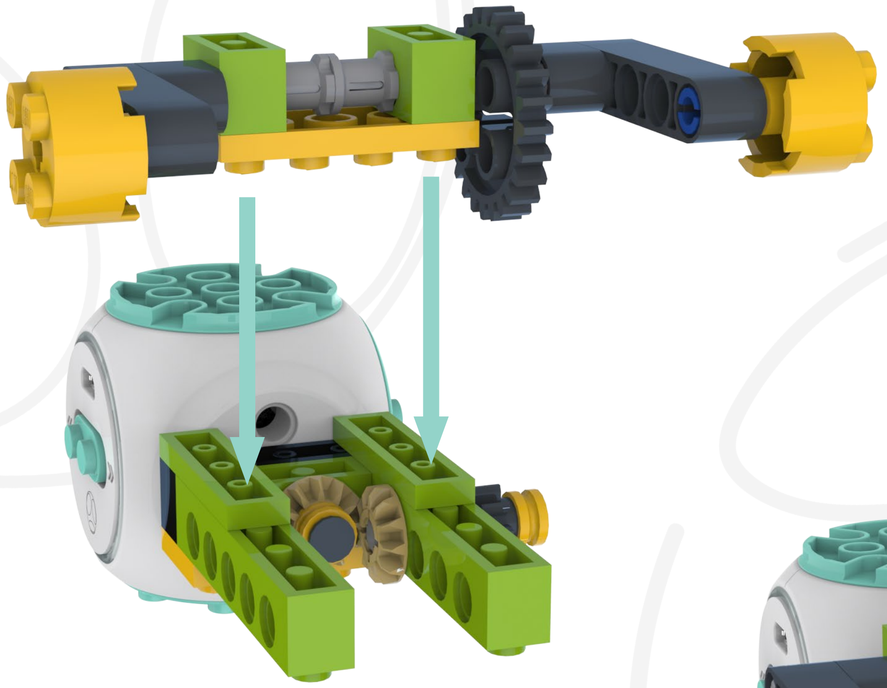

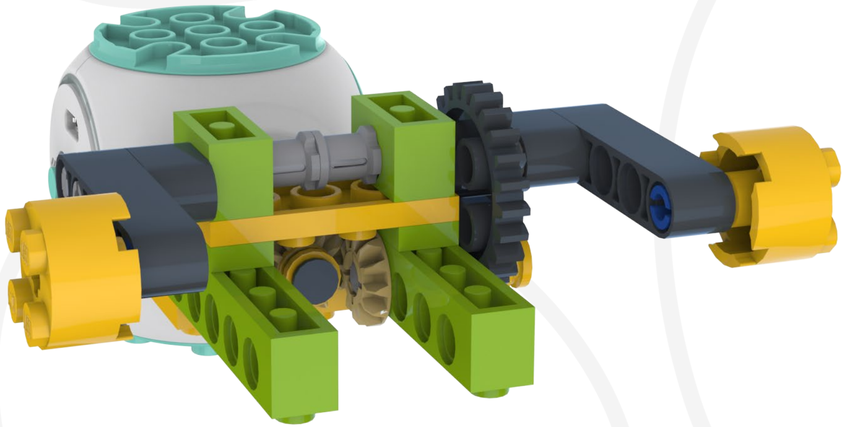

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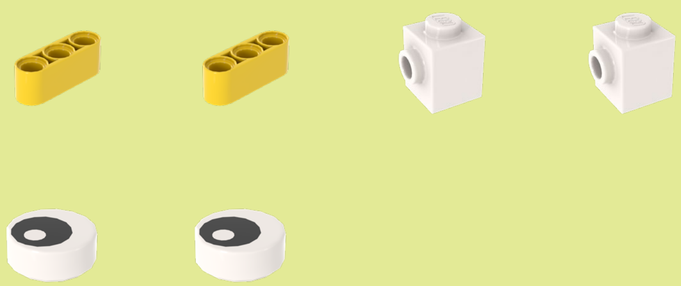

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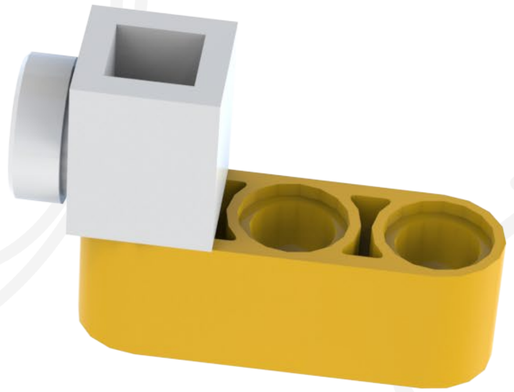

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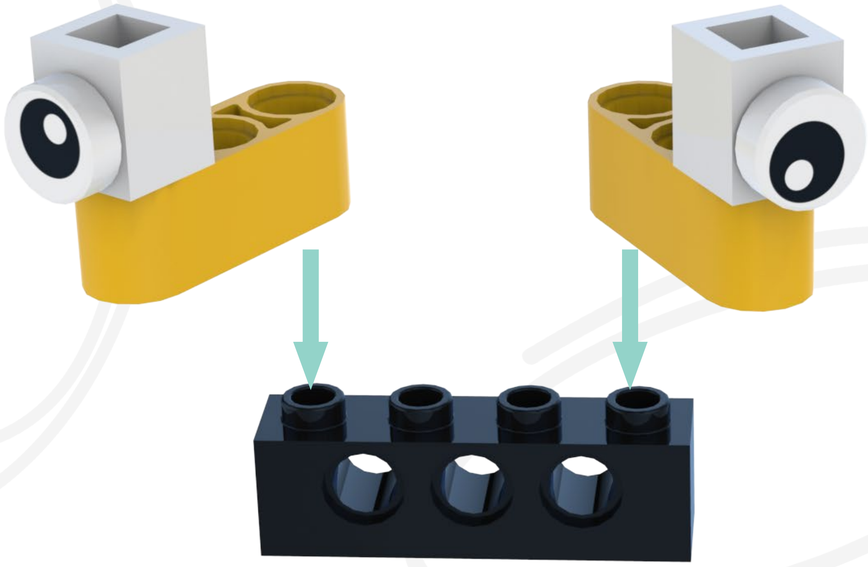

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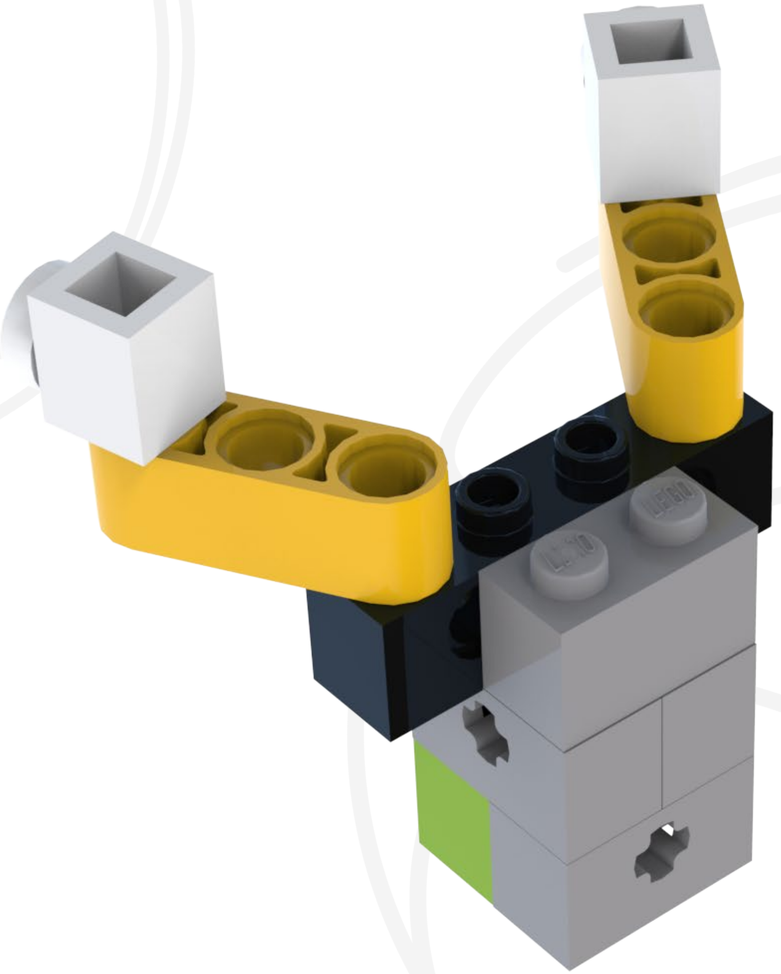

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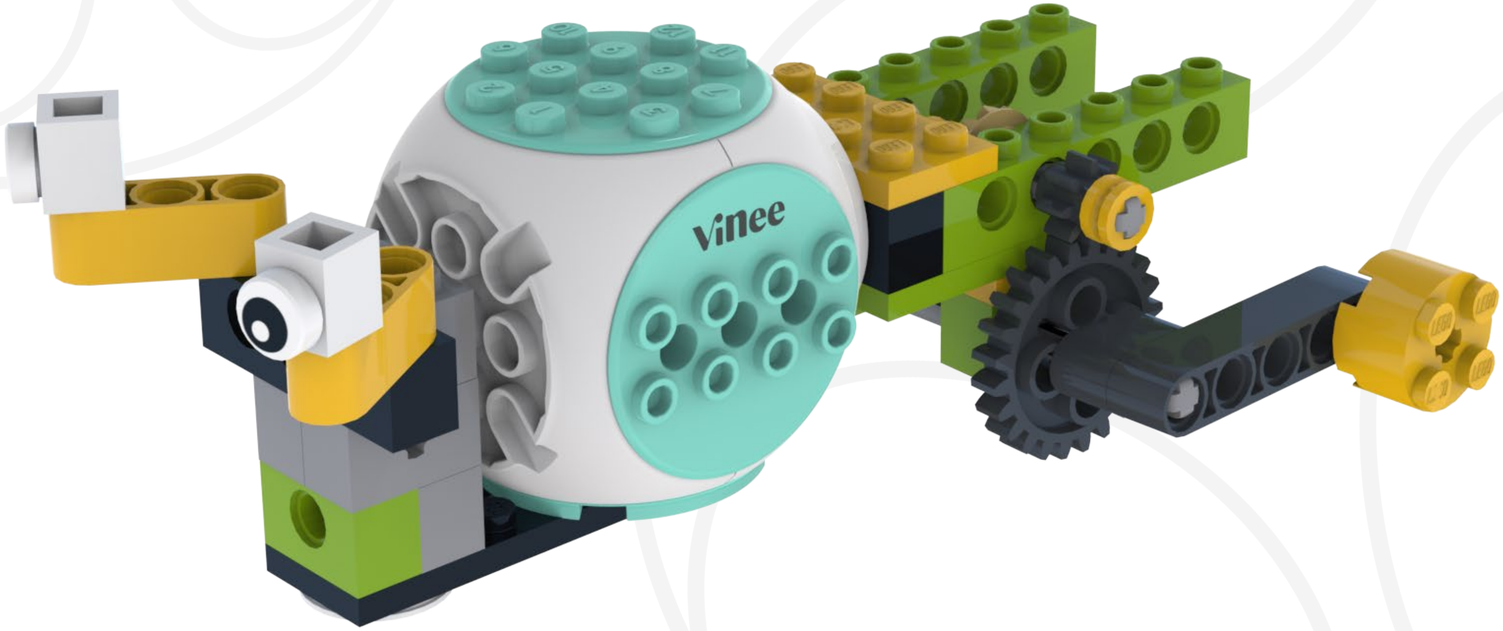
Attach!



! Finished

Make sure your build is correct before turning it on.

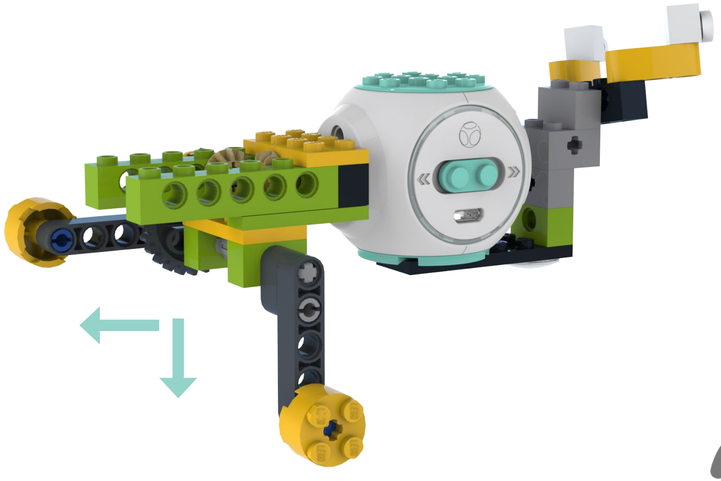
Learn

Bevel Gear

Bevel Gears are used to shift power from one direction to another.

They are called Bevel Gears because their teeth are shaped with a bevel (cut at an angle).

Instead of meshing side by side, two or more bevel gears can mesh at 90° angles to change the direction of motion.



Task

1. Identify the Bevel Gears on your build.
2. How do they look and work differently from the other gears?
3. Can you identify another gear concept used in this build?
   Hint: it uses different sized gears!
4. Remove a “leg.” Reattach it each way shown above. Observe the change!

Building something new shows a lot of courage!

ViNee

YANTRA ROBOTICS