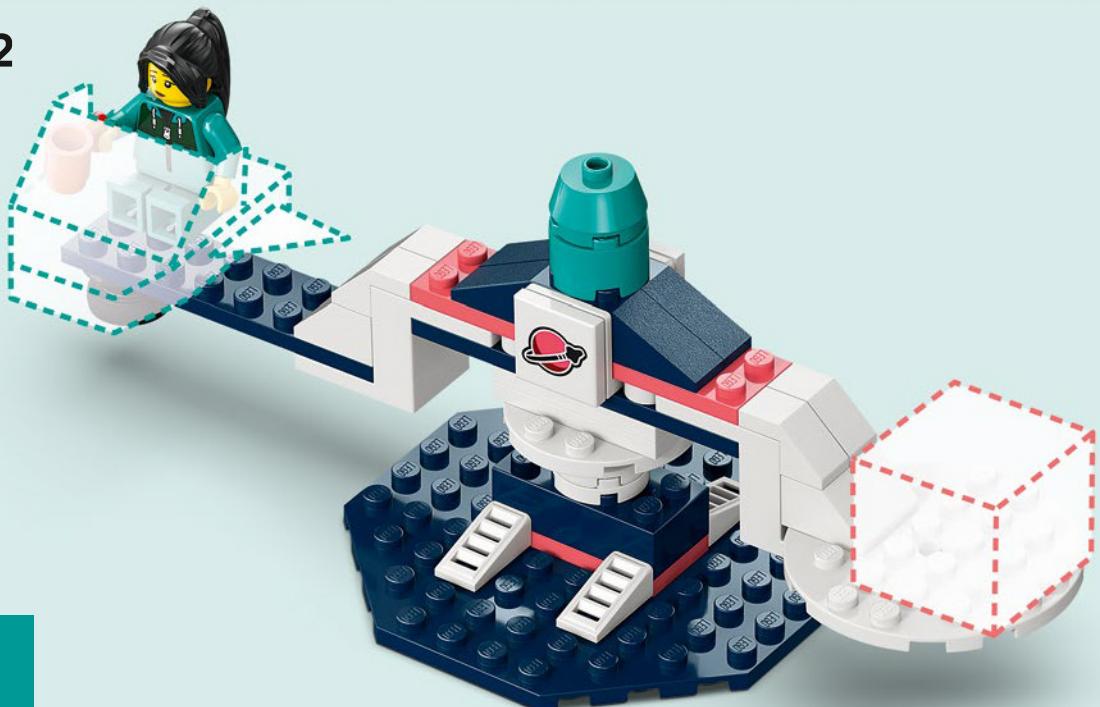




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education™

Build
Solve
Invent™

45202



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Booklet available in English
Heft in deutscher Sprache erhältlich
Livret disponible en français
Libretto disponibile in italiano
Folleto disponible en español
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如需中文版手册
Broszura w języku polskim
Brožura je k dispozici v češtině
Brožúra je k dispozícii v slovenčine
Útmutató elérhető magyarul

Буклет доступний англійською мовою
Brosură disponibilă în limba română
Buklets latviešu valodā ir pieejams
Brošür on saadaval Eesti keeles
Bukletas lietuvių kalba prieinamas



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BUILDER



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EN Ask parents' permission before going online | DE Eltern um Erlaubnis bitten, bevor du online gehst | FR Demande l'autorisation d'un parent avant d'aller en ligne | IT Chiedi il permesso ai tuoi genitori prima di andare online | ES Pideles permiso a tus papás antes de conectarte a Internet | PT Pede autorizaçāo aos pais antes de acederes online | ZH 上网前应先征得父母的同意 | PL Propon rodziców o zgodę, zanim wejdiesz do Internetu | CS Než půjdeš na internet, požádej rodiče o svolení | SK Skôr než pôjdeš na internet, vypýtaj si povolenie od rodičov | HU Kérj szülői engedélyt, mielőtt online csatlakoznál! | UA Запитуйте дозвіл батьків, перш ніж користуватися інтернетом | RO Cere permisiunea părintilor înainte de a te conecta online | BG Поискайте разрешение от родителя, прежде чем онлайн | LV Pirms došanās tiešsaistē palūdz atlauju vecākiem | ET Enne Interneti kasutamist küsi vanemateelt luba | LT Prieš prisijungdami prie interneto, atsiklauskitė tévu



Hey!

At LEGO® Education, we ignite curiosity and empower children to take learning into their own hands. For more than 40 years, LEGO Education has offered experiences that combine the vision of the LEGO Group for learning through play with a deep understanding of the world of education.

We know that children learn best through hands-on, playful experiences. **What if you had the power to help take their learning even further?** By inspiring wonder, encouraging their ideas and letting them explore their own solutions, we create space for their confidence and resilience to develop and shine.

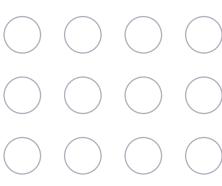
Each of the experiments in this box has 3 phases of play: Build, Solve and Invent.

Your child will:

Build an exciting LEGO model that establishes the context for the activity, **Solve** the activity their own way using problem-solving skills and **Invent** a creation that takes their creativity even further.

By sparking joy in children's learning and helping them to develop critical skills, we inspire a new generation to take on tomorrow and rebuild the world one LEGO brick at a time.







How does an astronaut train for space travel?



This Physical Science experiment is based on the way that balanced and unbalanced forces affect how an object moves. Unbalanced forces could make an object move in unintended ways. This can make it harder for astronauts preparing for their time travelling in space. For example, centrifuge training allows astronauts to spin in a giant machine to simulate the g-forces they will experience during rocket launch and re-entry. If the simulator does not move as intended, the astronauts do not get the training they need.



Build

Build: Build an astronaut-training simulator.



Solve

Solve: Create a way to balance the simulator so the astronaut can spin without falling over.

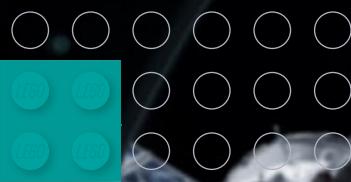


Invent

Invent: Design a pod that feels more like a spaceship and keeps the astronaut safe while training.

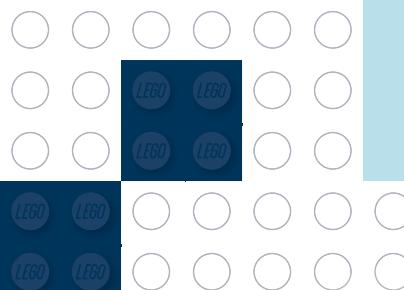
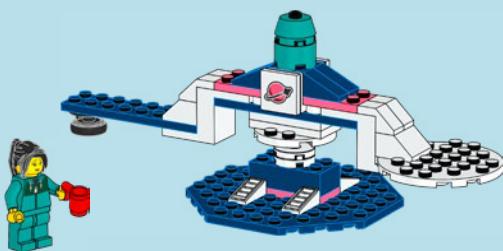
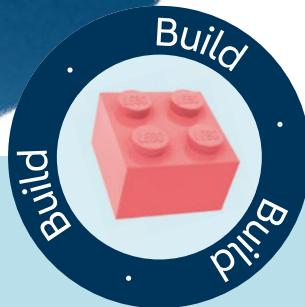
You can support learning and spark curiosity by asking questions such as:

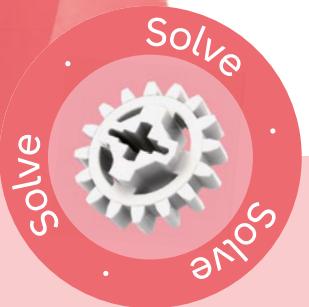
- How did the balance of the simulator impact its spinning time?
- What features did you build onto your pod to make training more fun for the astronaut?
- How else do astronauts prepare for space travel?



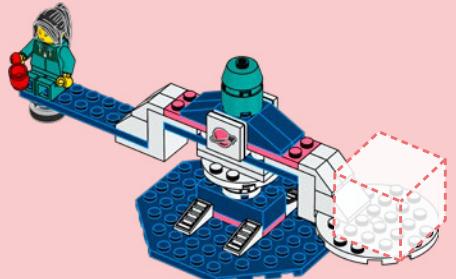




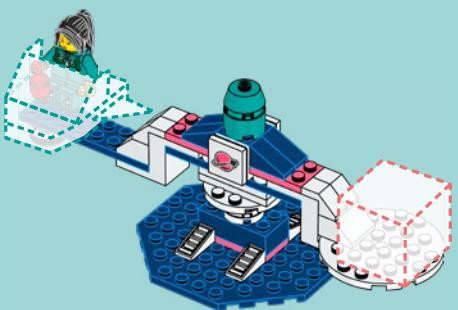


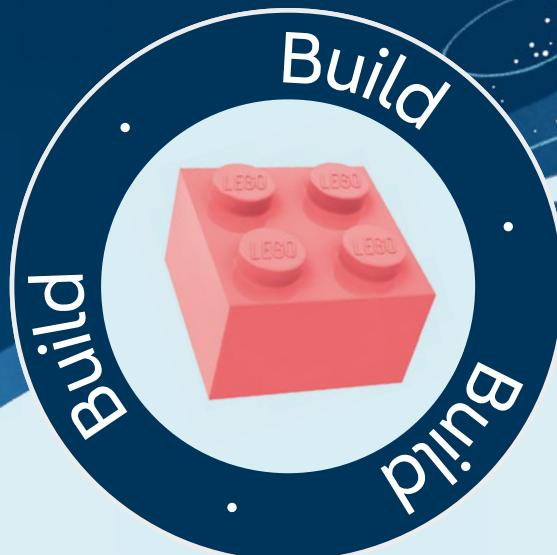


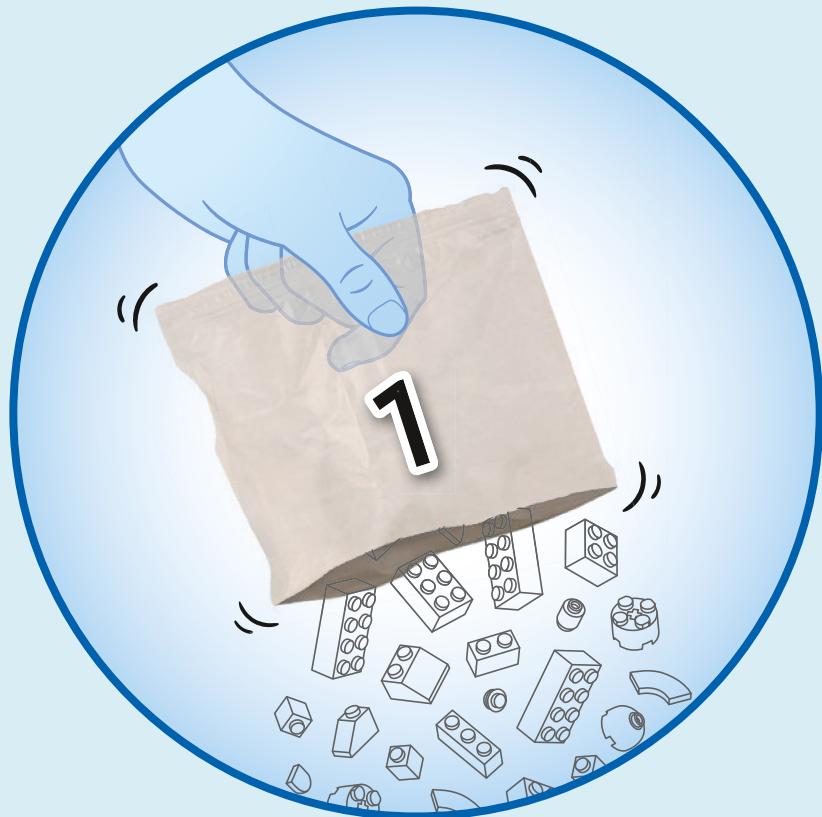
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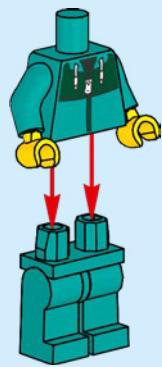
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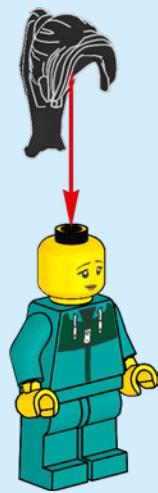




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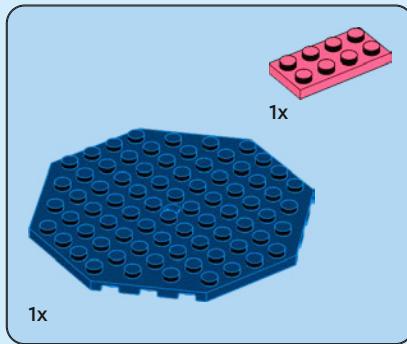
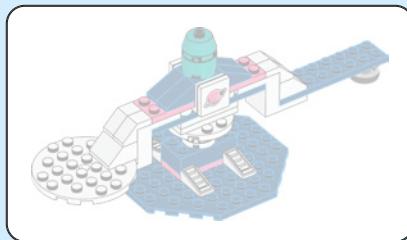


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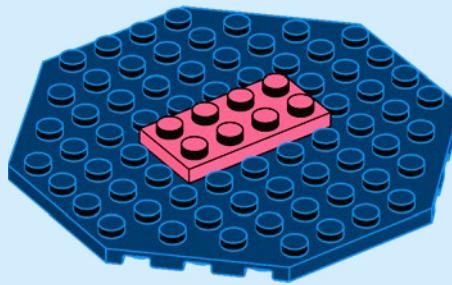


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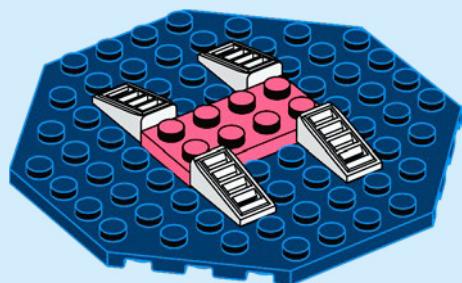
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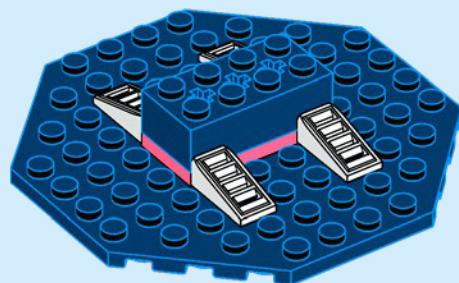
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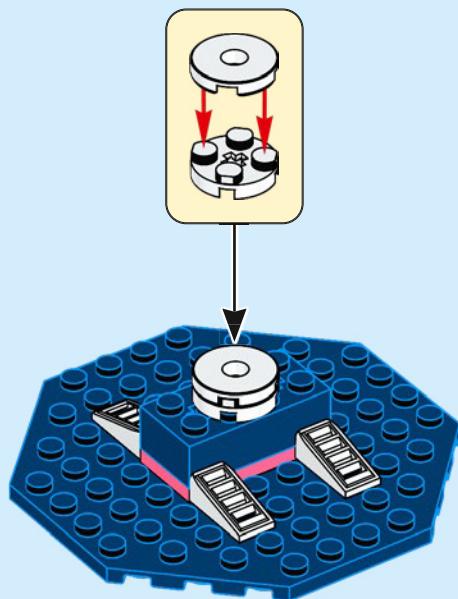


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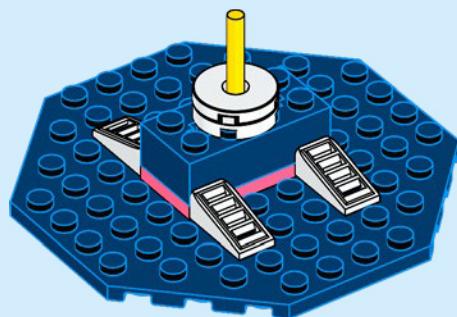
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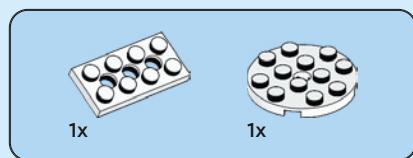
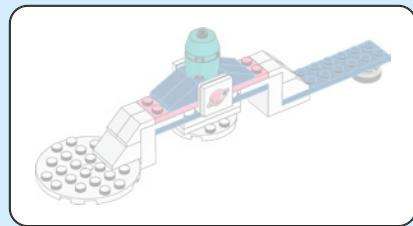
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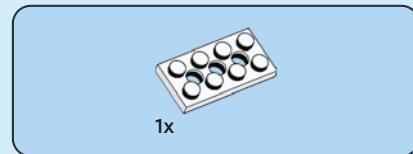
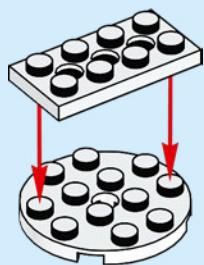
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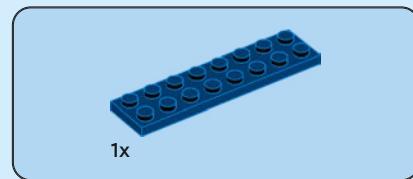
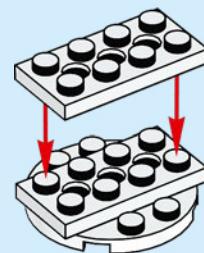




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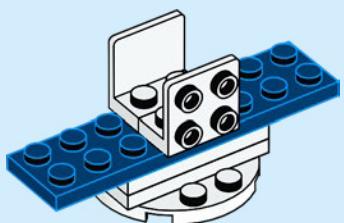


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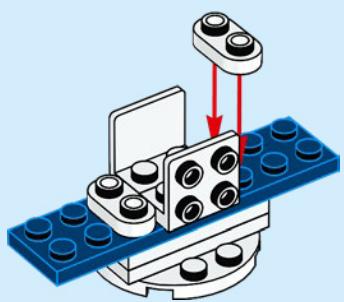




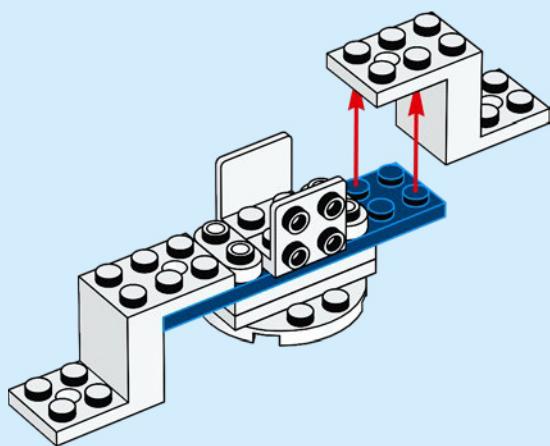
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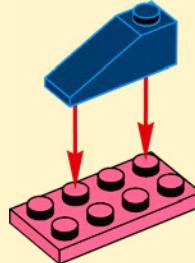
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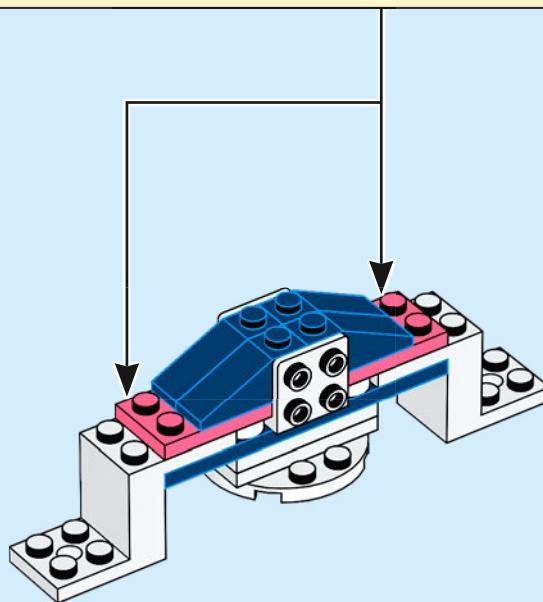
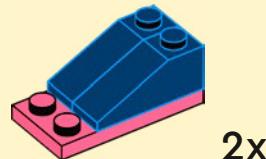


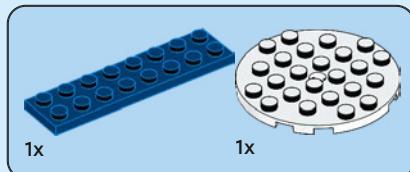
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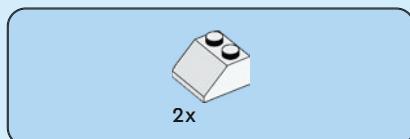
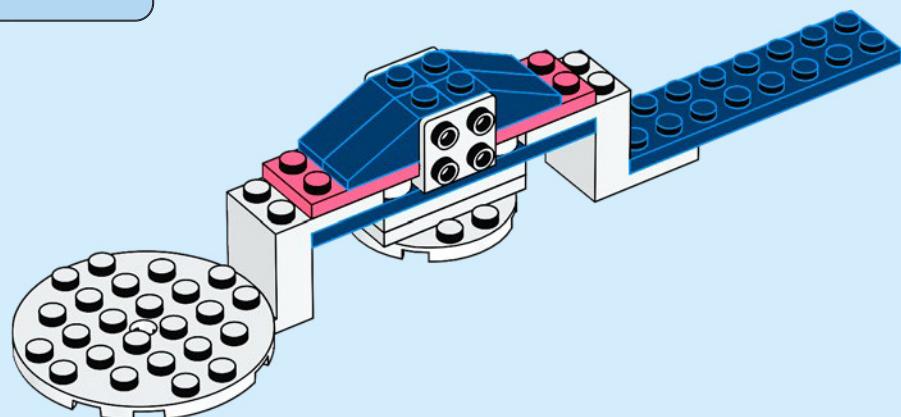


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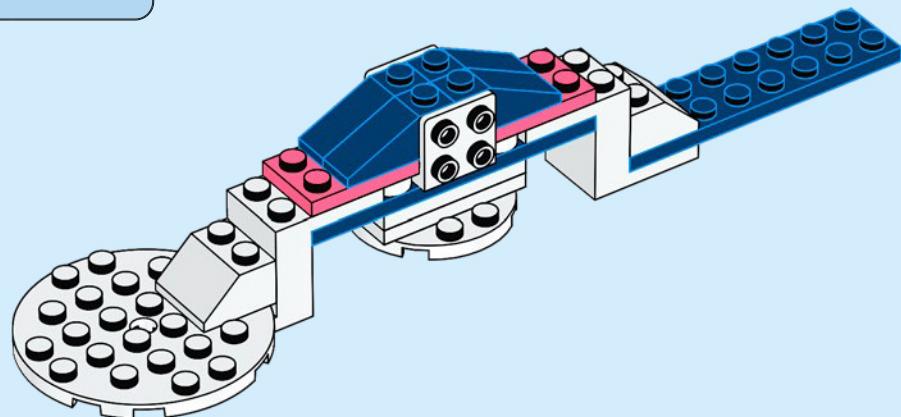




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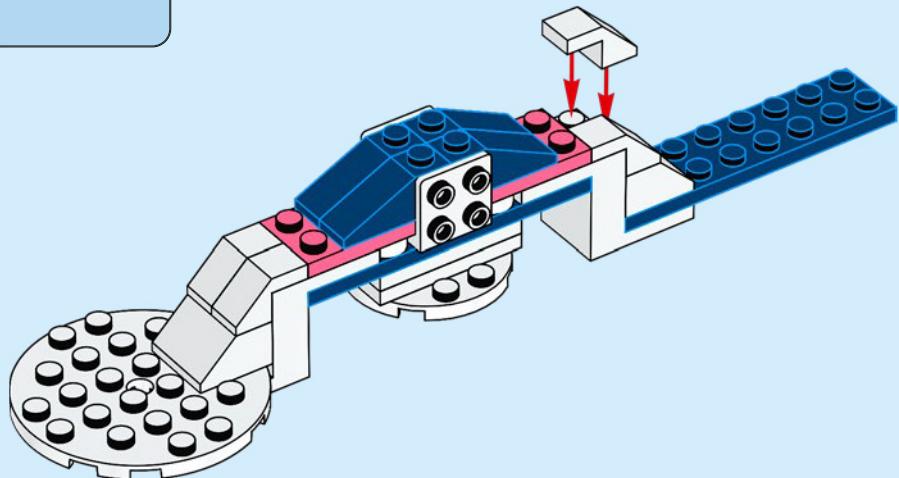


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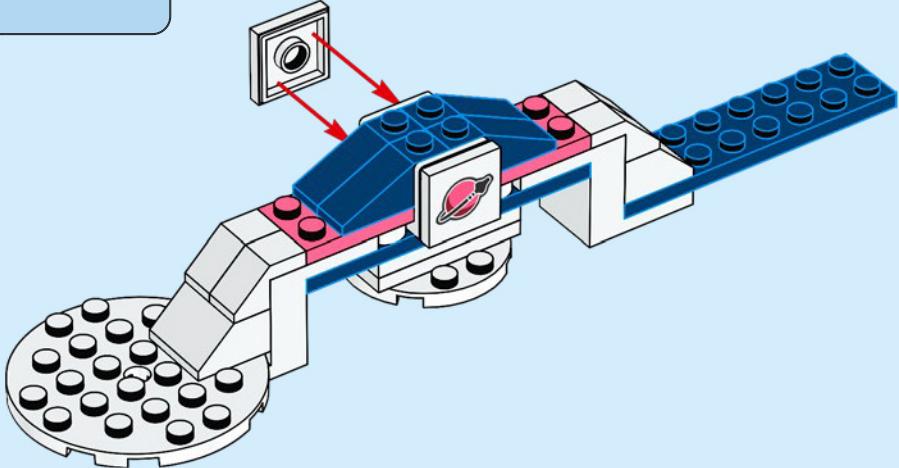


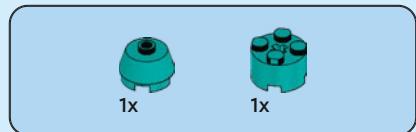


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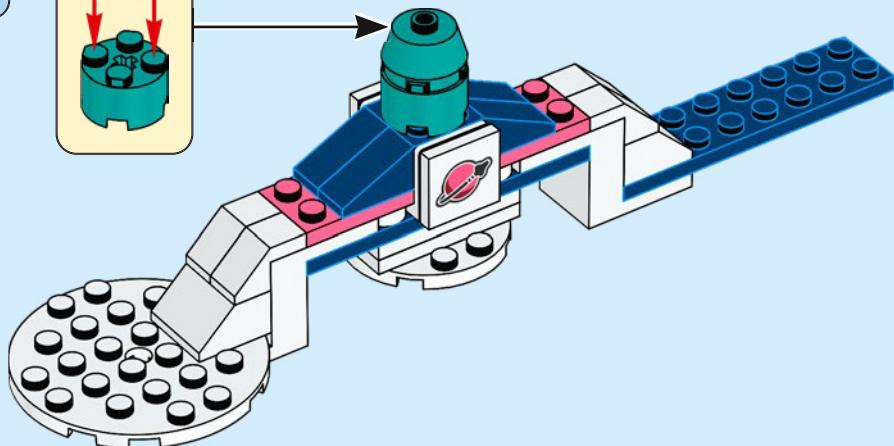
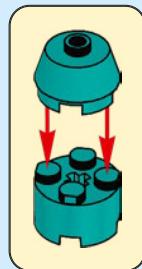


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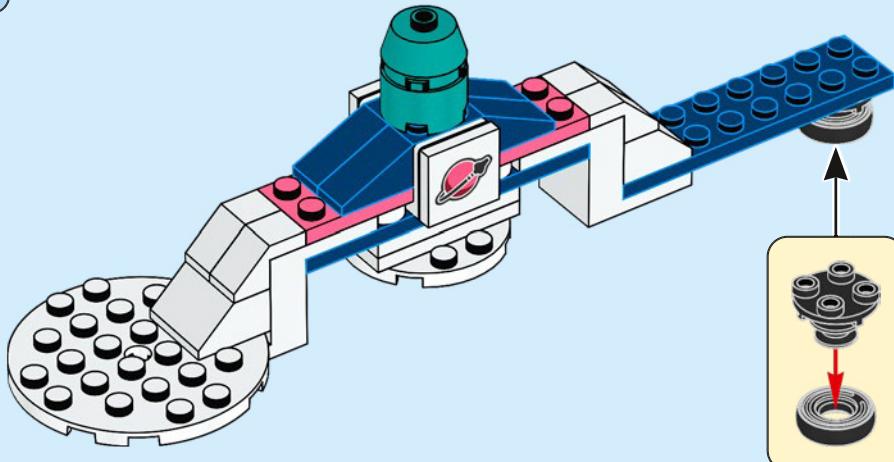




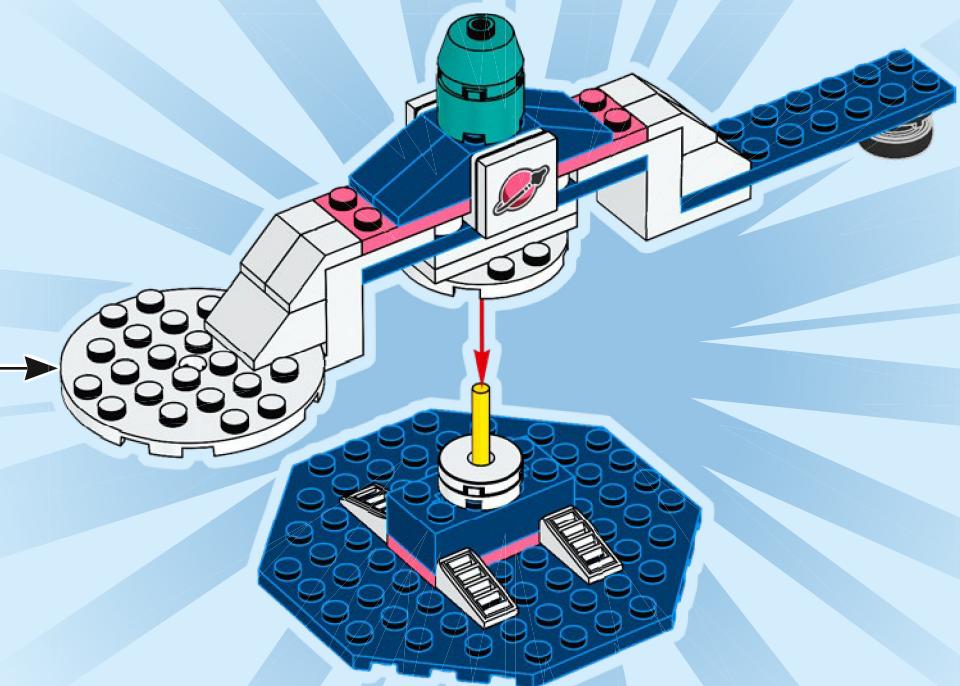
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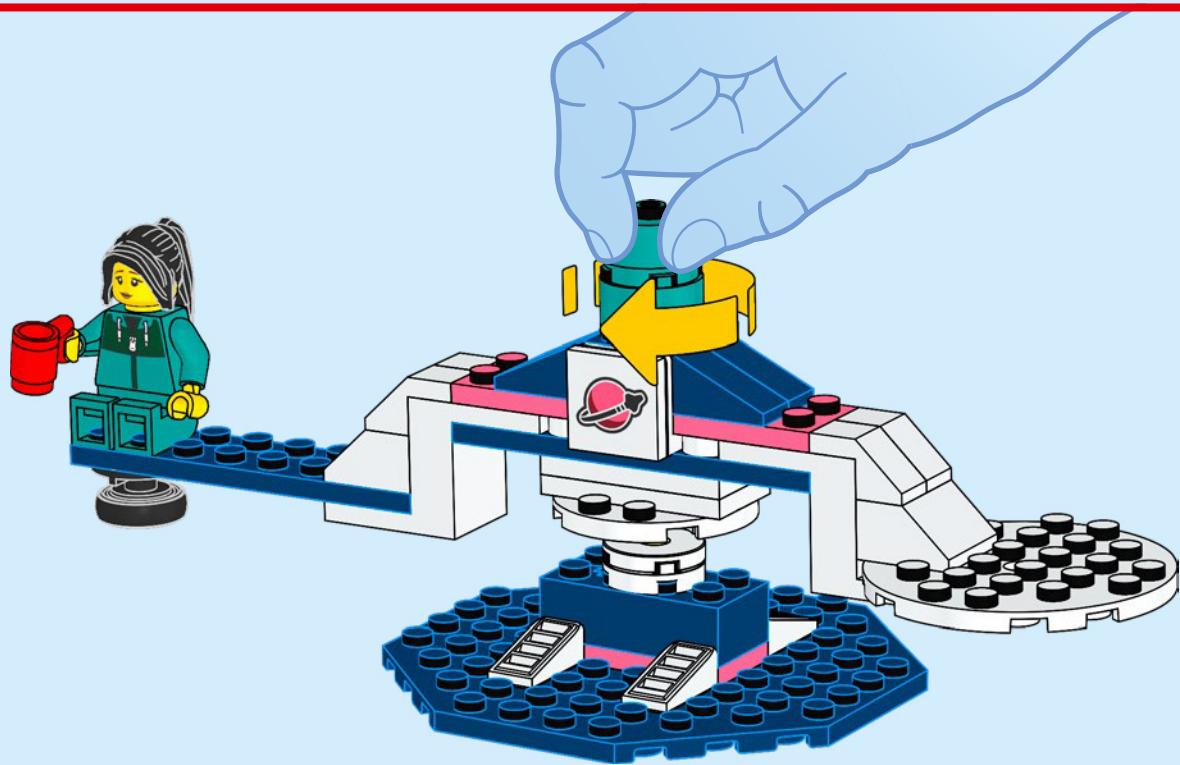


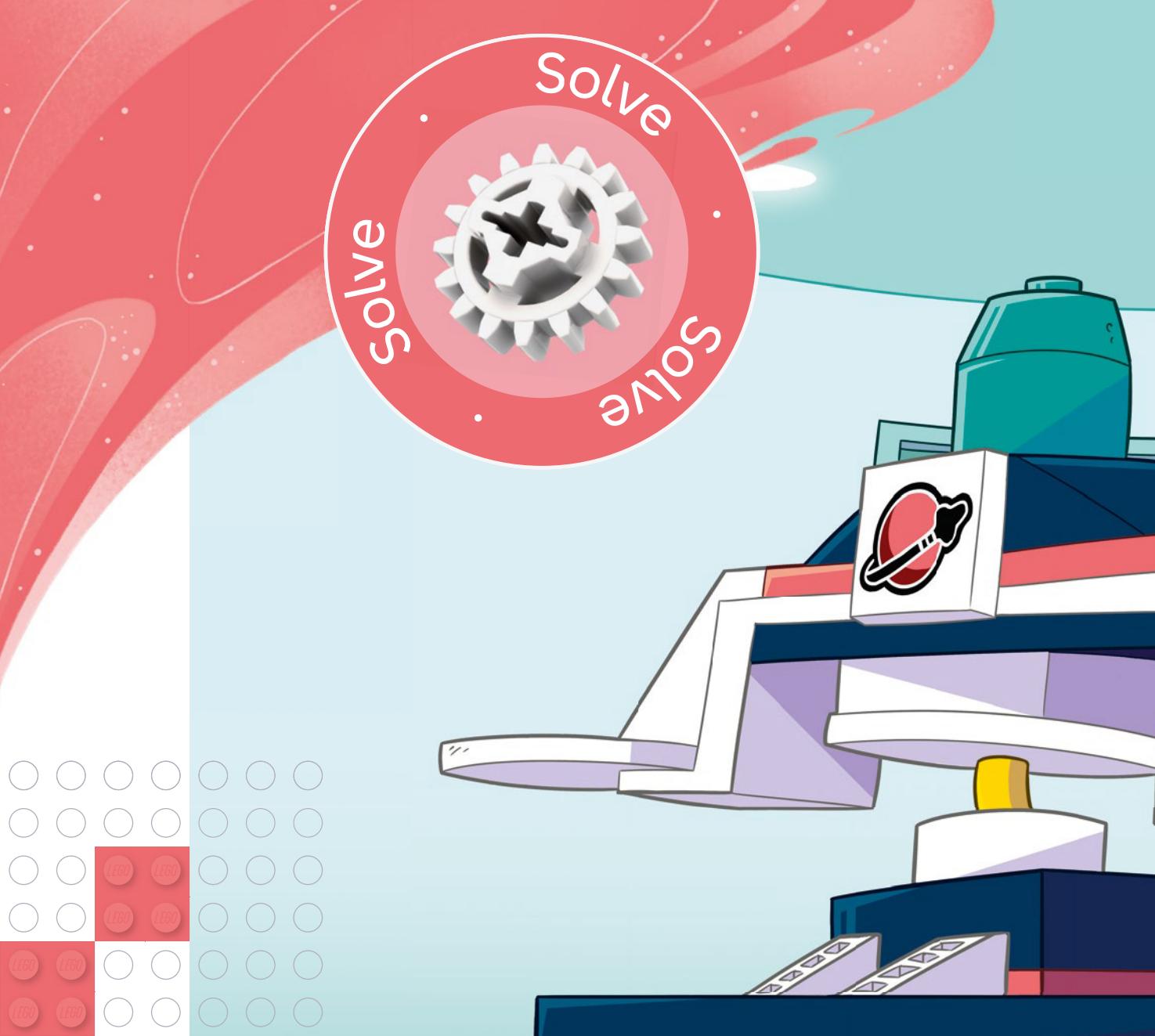
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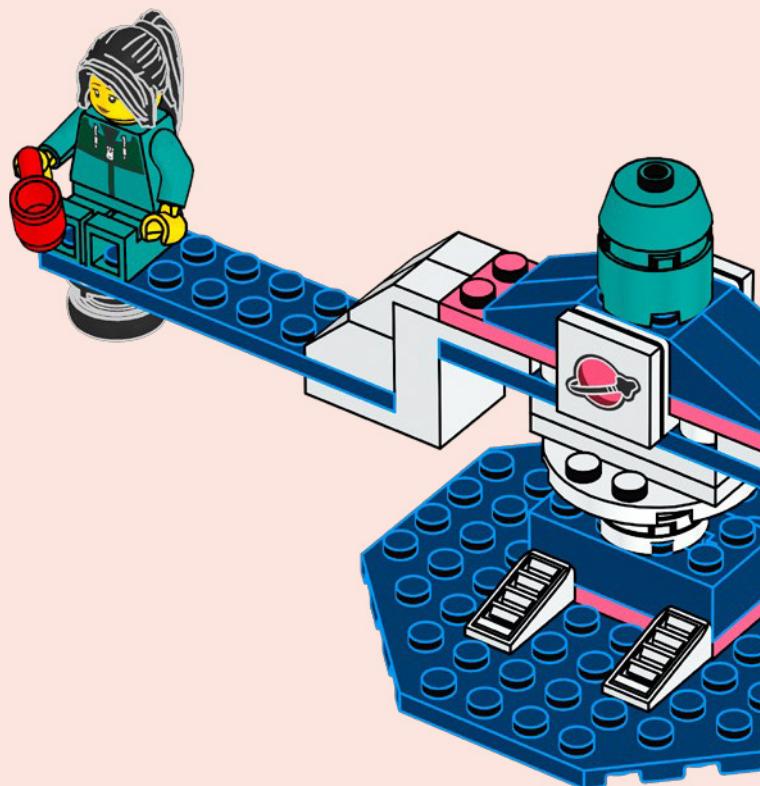


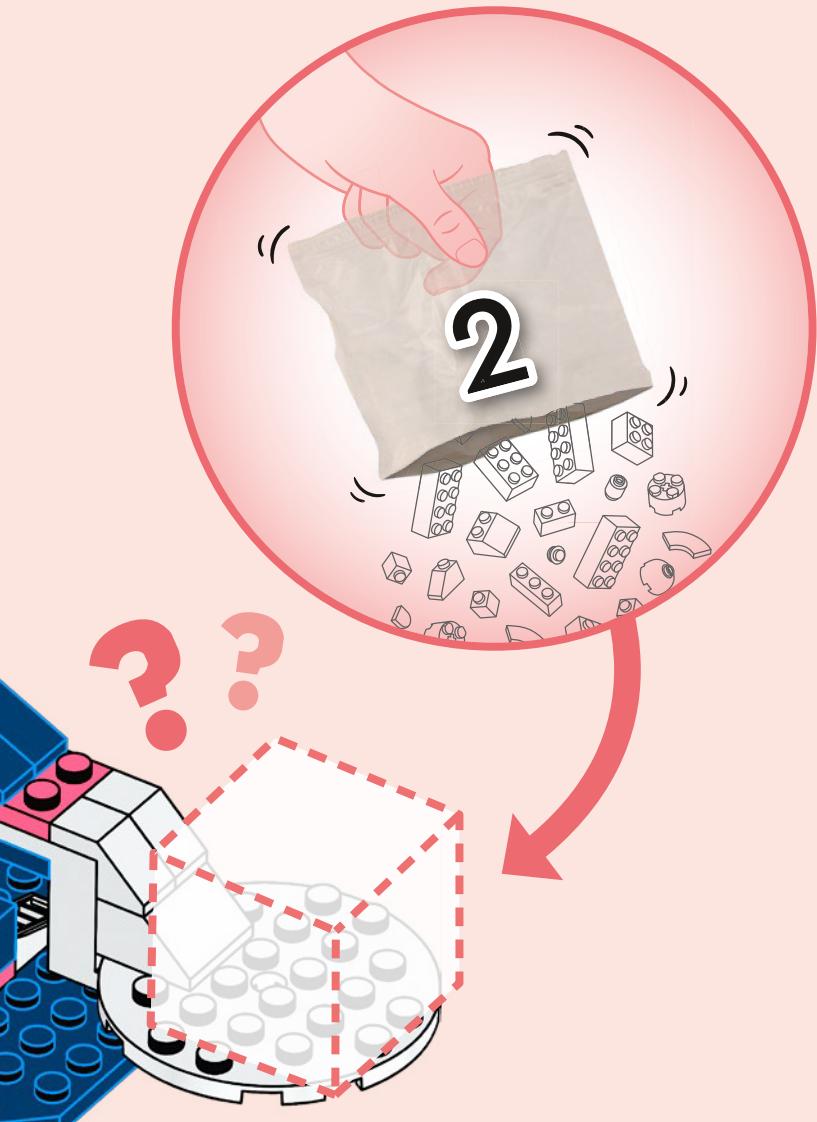


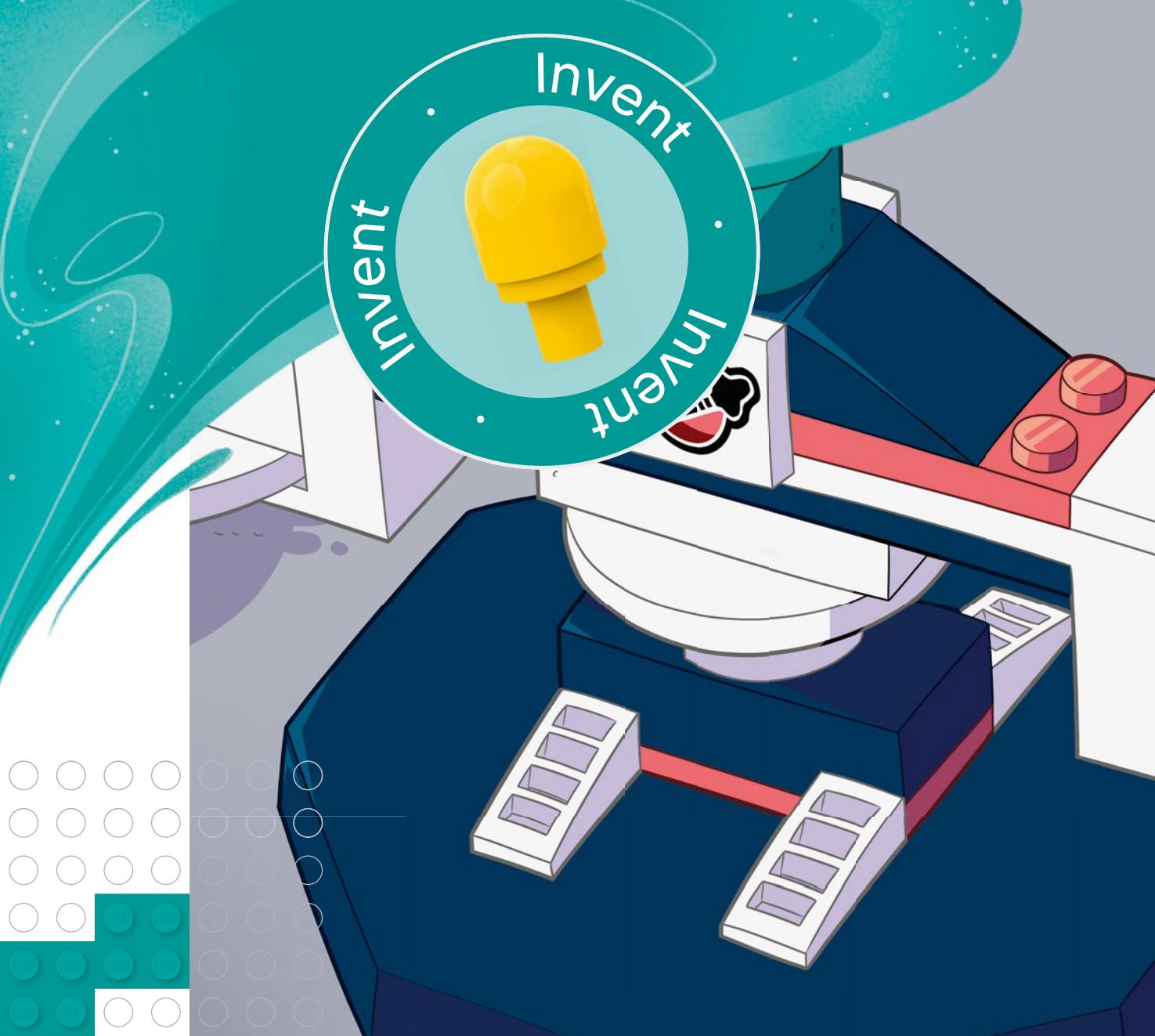




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