

Junior
tech
challenge

The practical
side of
science and
tech



READY, SET, ROLL!

2024-2025 EDITION

Activity 1 – The Wheel Hunt



A BRIEF HISTORY OF...

THE WHEEL

The wheel is considered to be one of the _____ ? _____ inventions.

It revolutionized the way people work by making it possible to _____ heavy materials.

It also made it possible to _____ around more easily.

Let's review your prior knowledge before we start!





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The wheel is considered to be one of the most important inventions.

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A BRIEF HISTORY OF... THE RUBBER TIRE

In **1888**, John Dunlop obtained a patent for his invention:
the rubber tire.

He took tubes made of _____?_____ and filled them with
_____, then placed them around the wheels of his son's
tricycle.

He had just invented the rubber tire!





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A BRIEF HISTORY OF... THE RUBBER TIRE

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A BRIEF HISTORY OF... THE RUBBER TIRE

In **1888**, John Dunlop obtained a patent for his invention:
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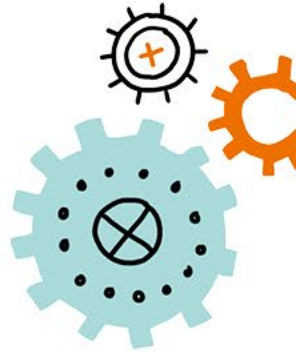
He took tubes made of rubber and filled them with air, then placed them around the wheels of his son's tricycle.

He had just invented the rubber tire!

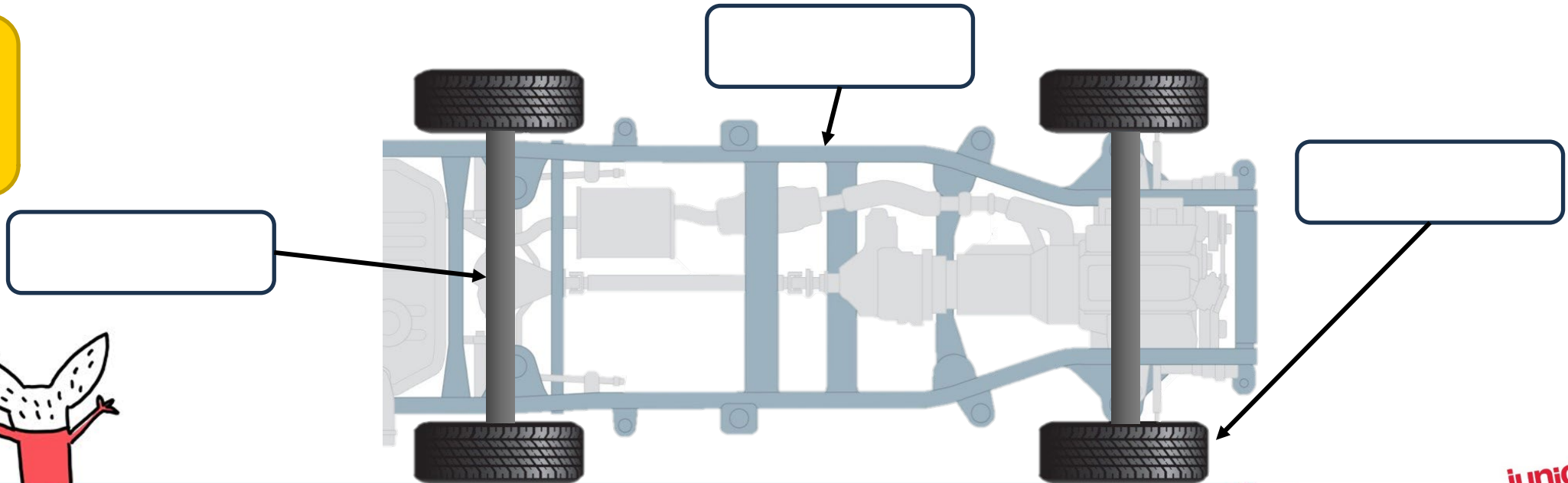


ACTIVITY 1 – THE WHEEL HUNT

The **wheel** is a flat disc that rotates around its axis, passing through its center.

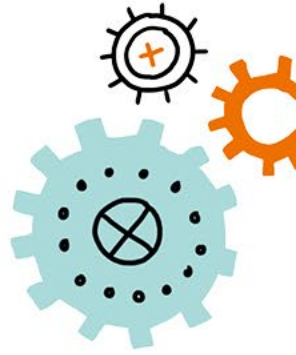


Remember to write your answers in your Student Handbook!

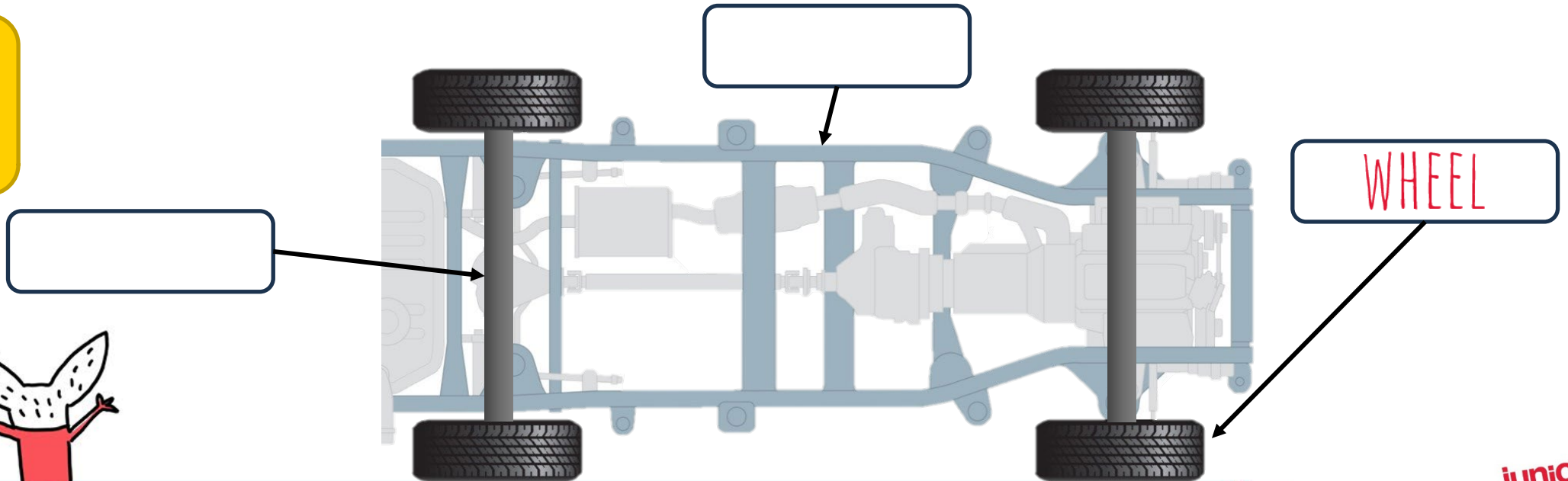


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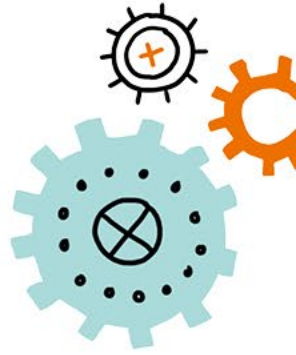
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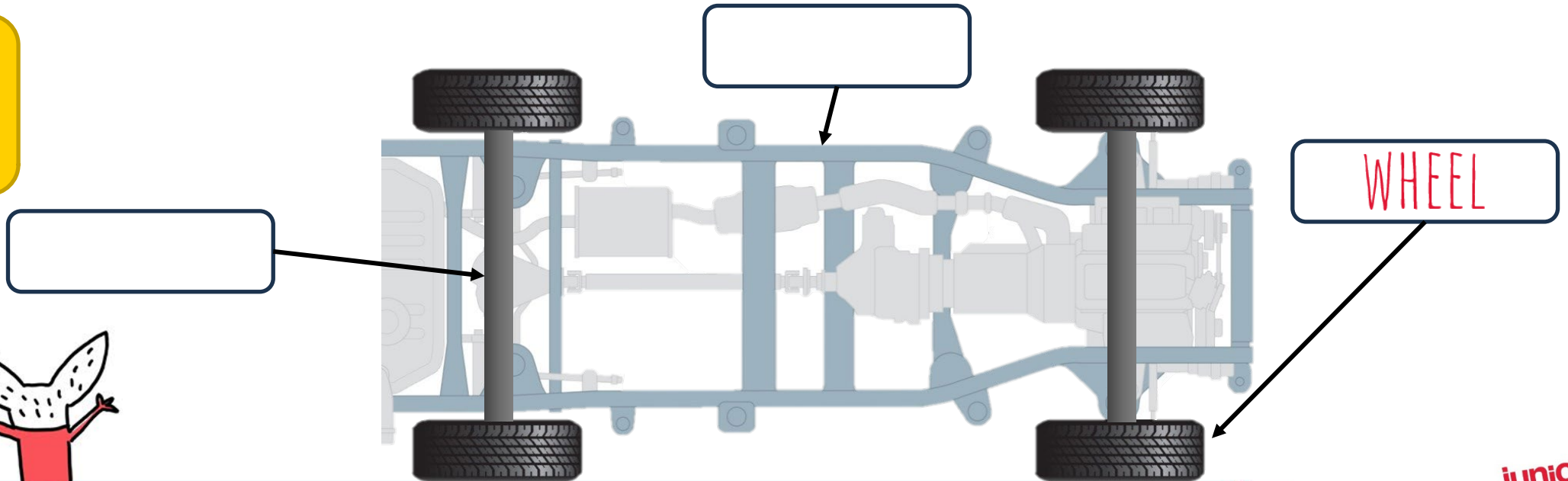
ACTIVITY 1 – THE WHEEL HUNT

The **wheel** is a flat disc that rotates around its axis, passing through its center.

The **axle** is a rod which connects the wheels and allows them to rotate.



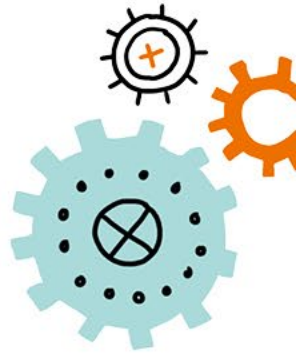
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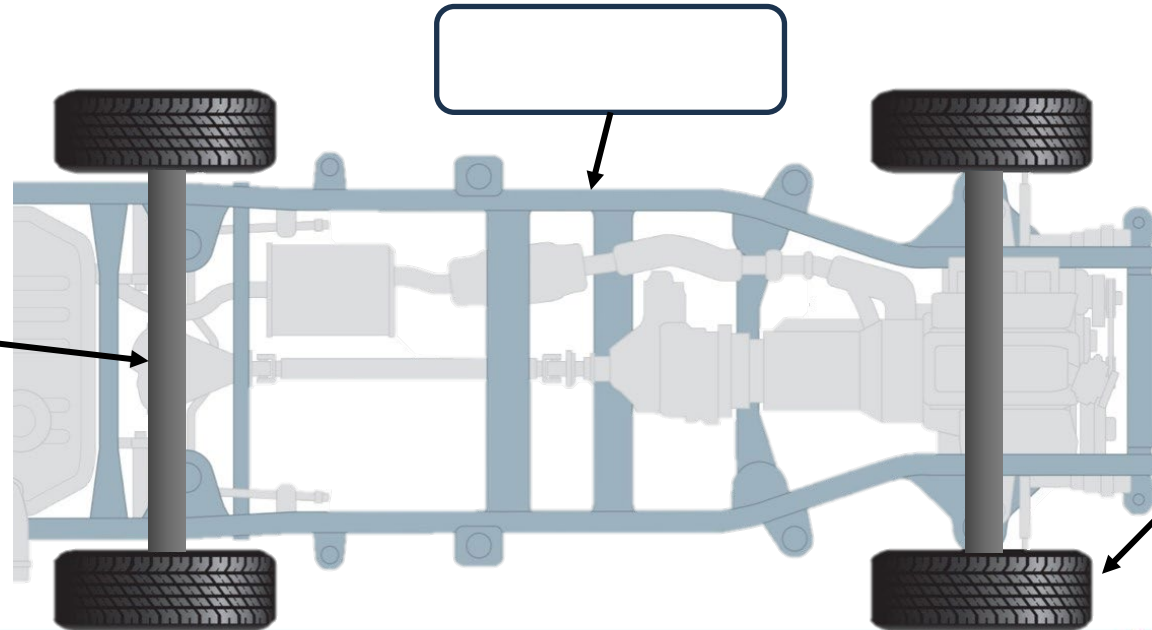
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AXLE

[Empty box for labeling]

WHEEL

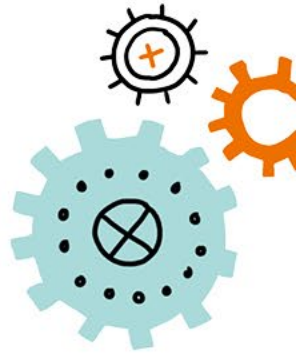


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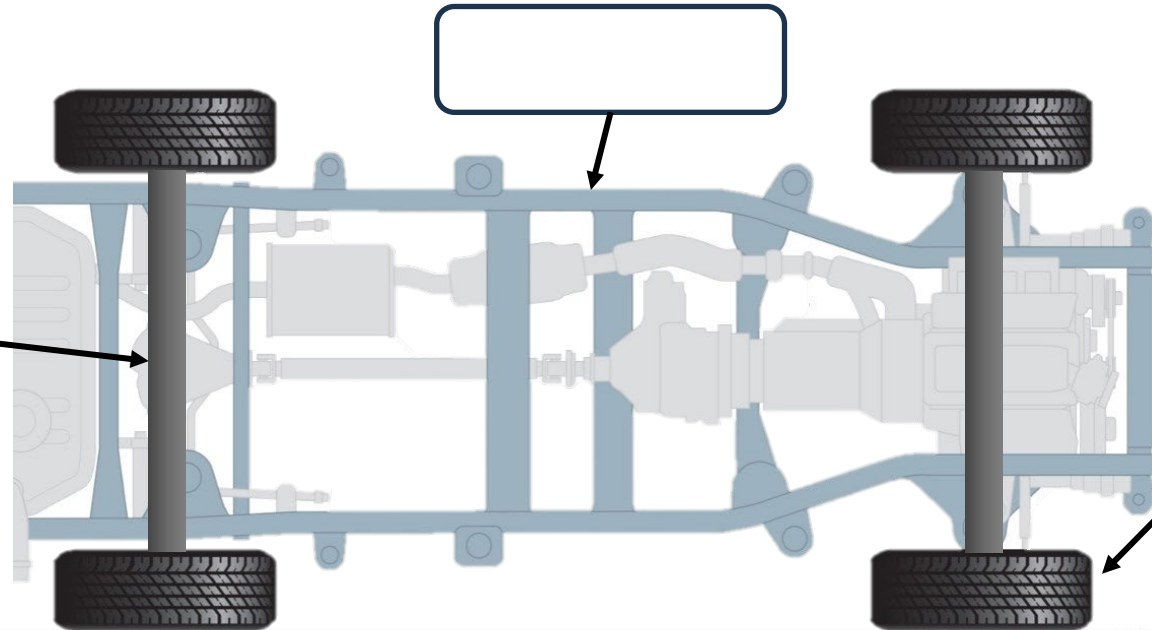
The **chassis** supports and secures the vehicle's structure.



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AXLE



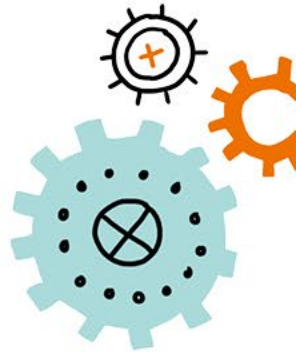
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