Robotics @ Zhenghua

- What is Robotics?
- What is Mindstorms/EV3
- 2-Wheel Robots
- Robot Educator Build

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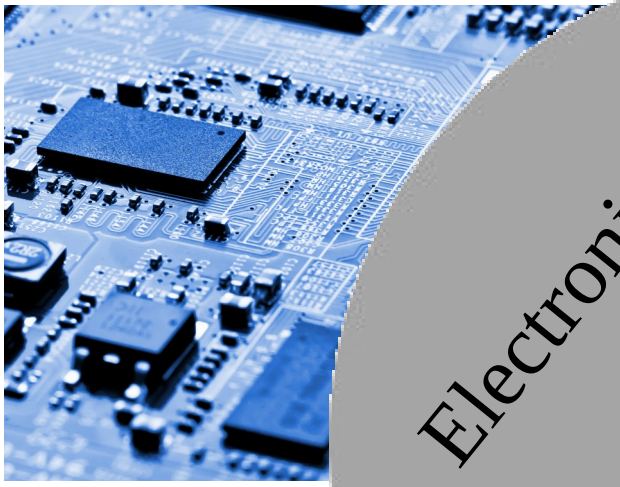
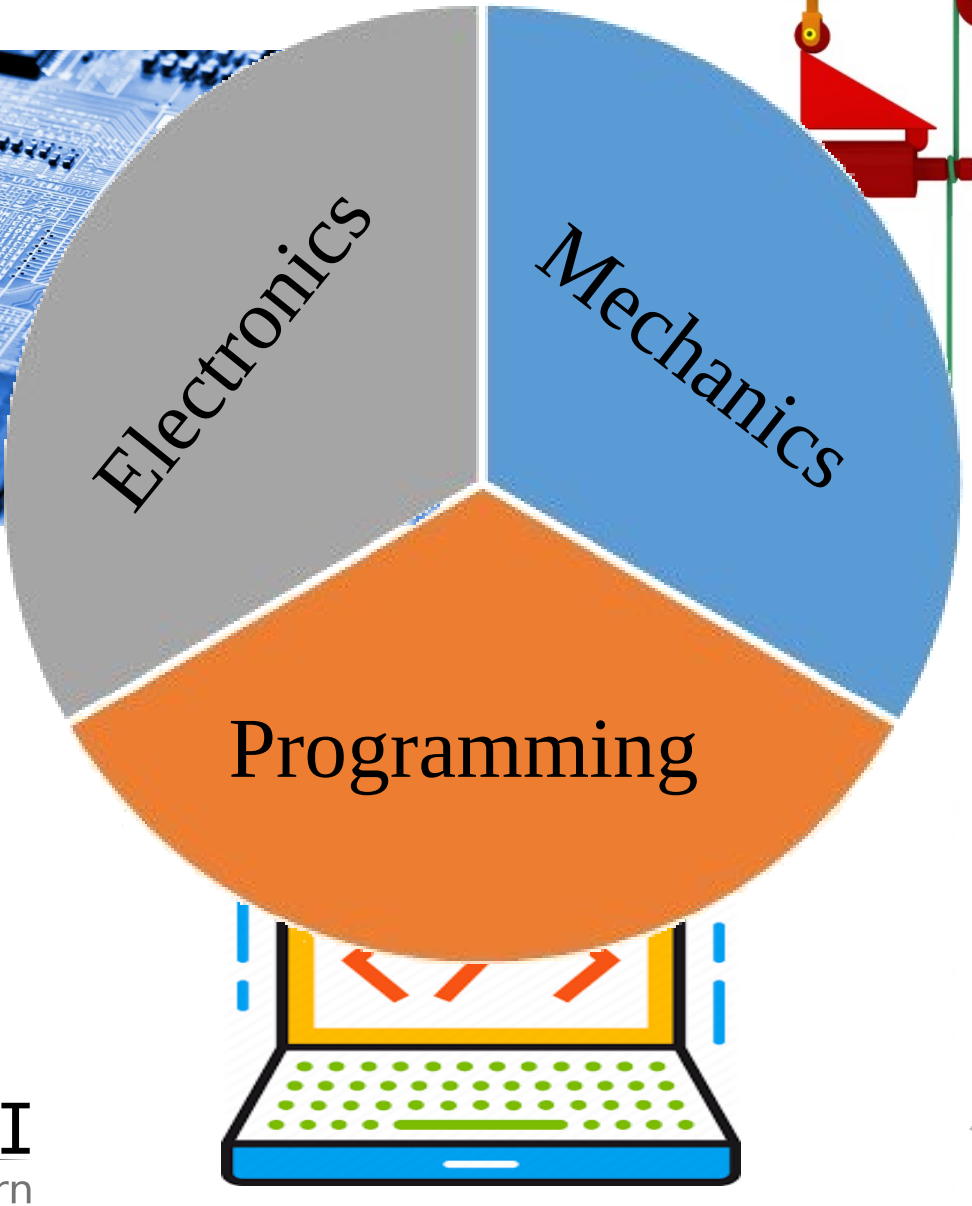
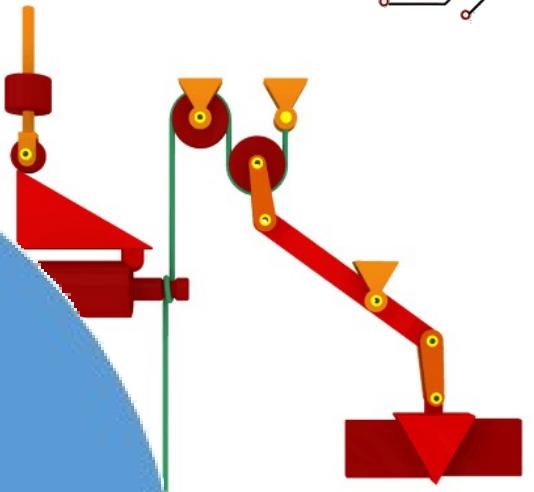
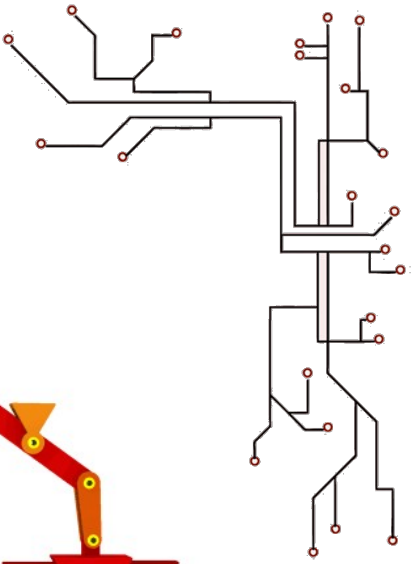
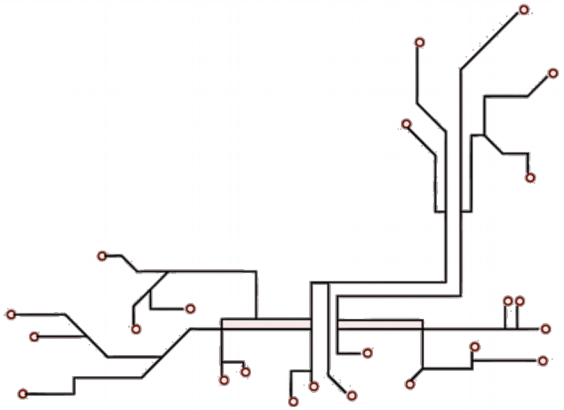
What is Robotics?











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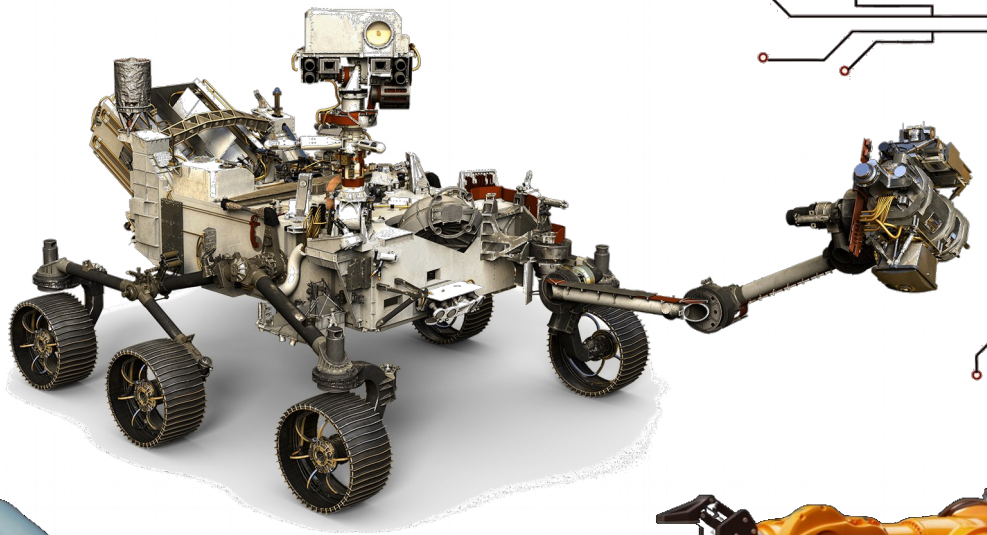
What is a Robot?



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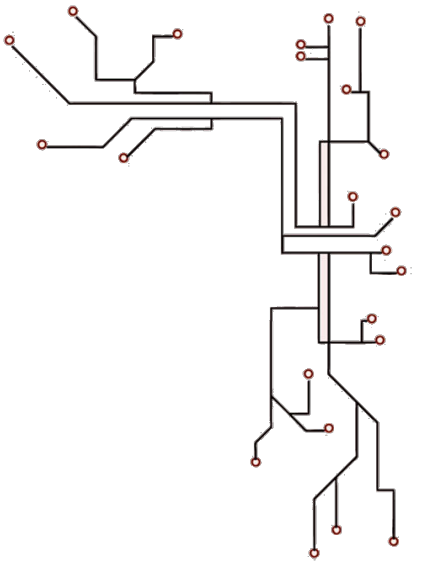
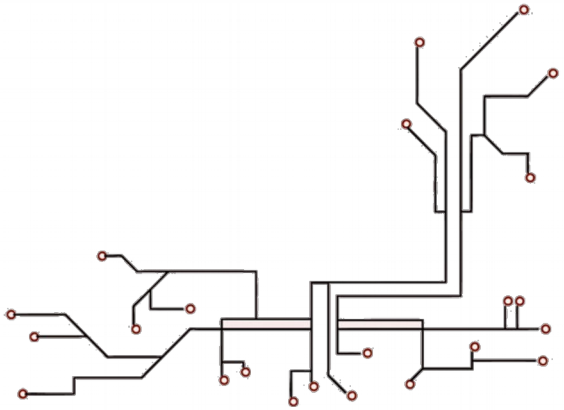


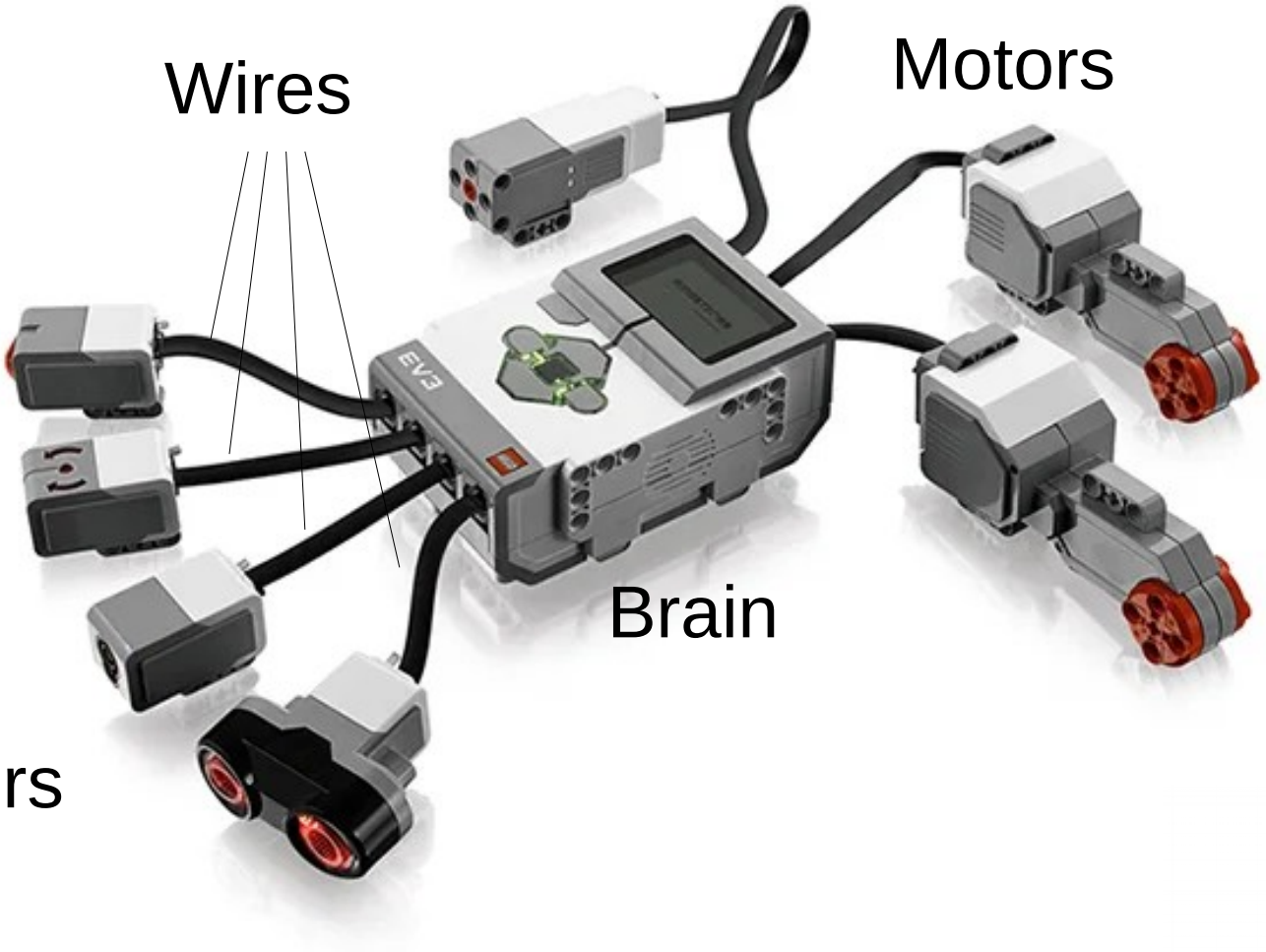
Almost anything automated…

But, physical robots usually have these:

- *Computer Brain*
- *Body / Frame*
- *Motors*
- *Sensors*
- *Wires*



What is Mindstorms/EV3?



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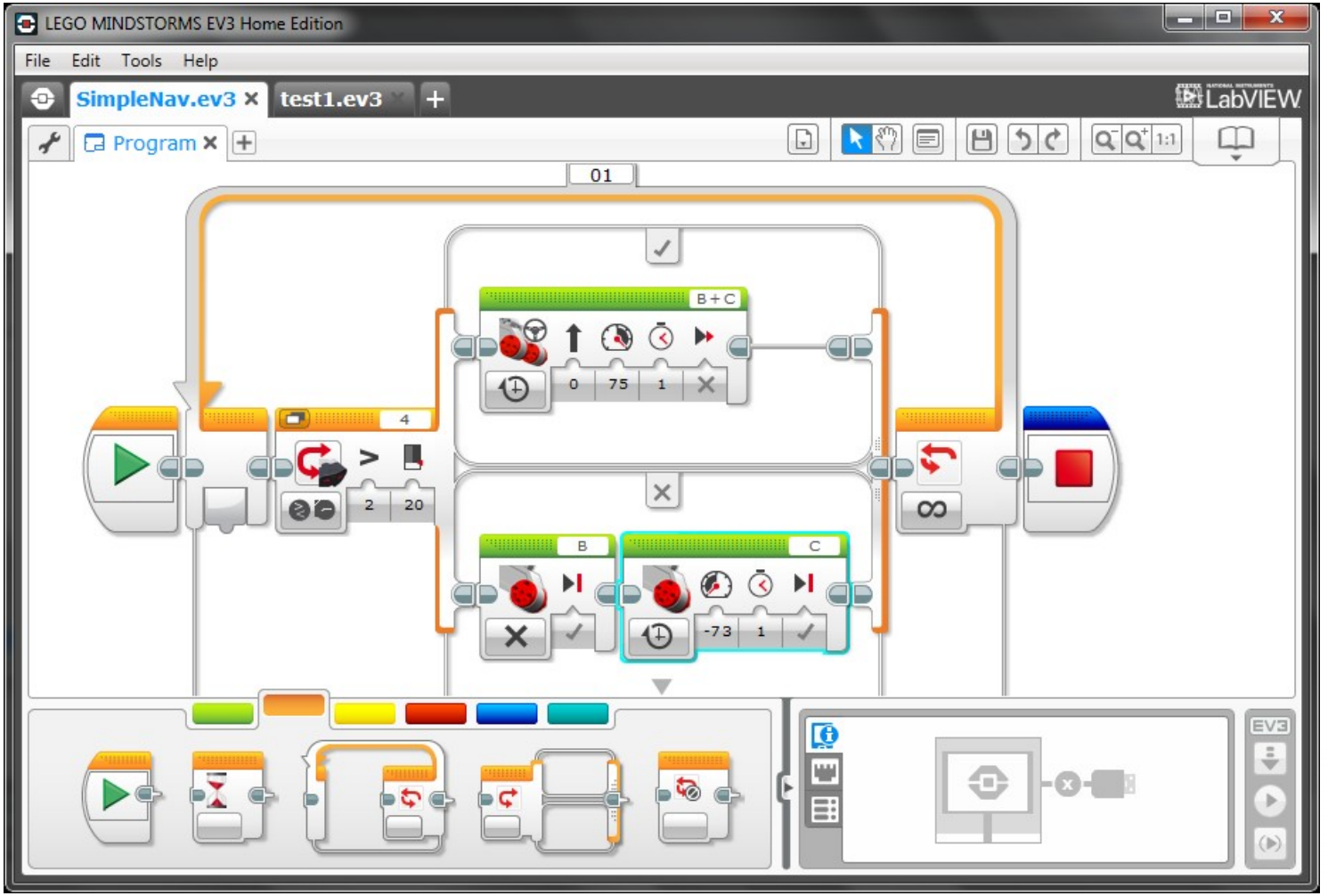
EV3 Programming



Block Programming

- Easy to learn
- Not professional...

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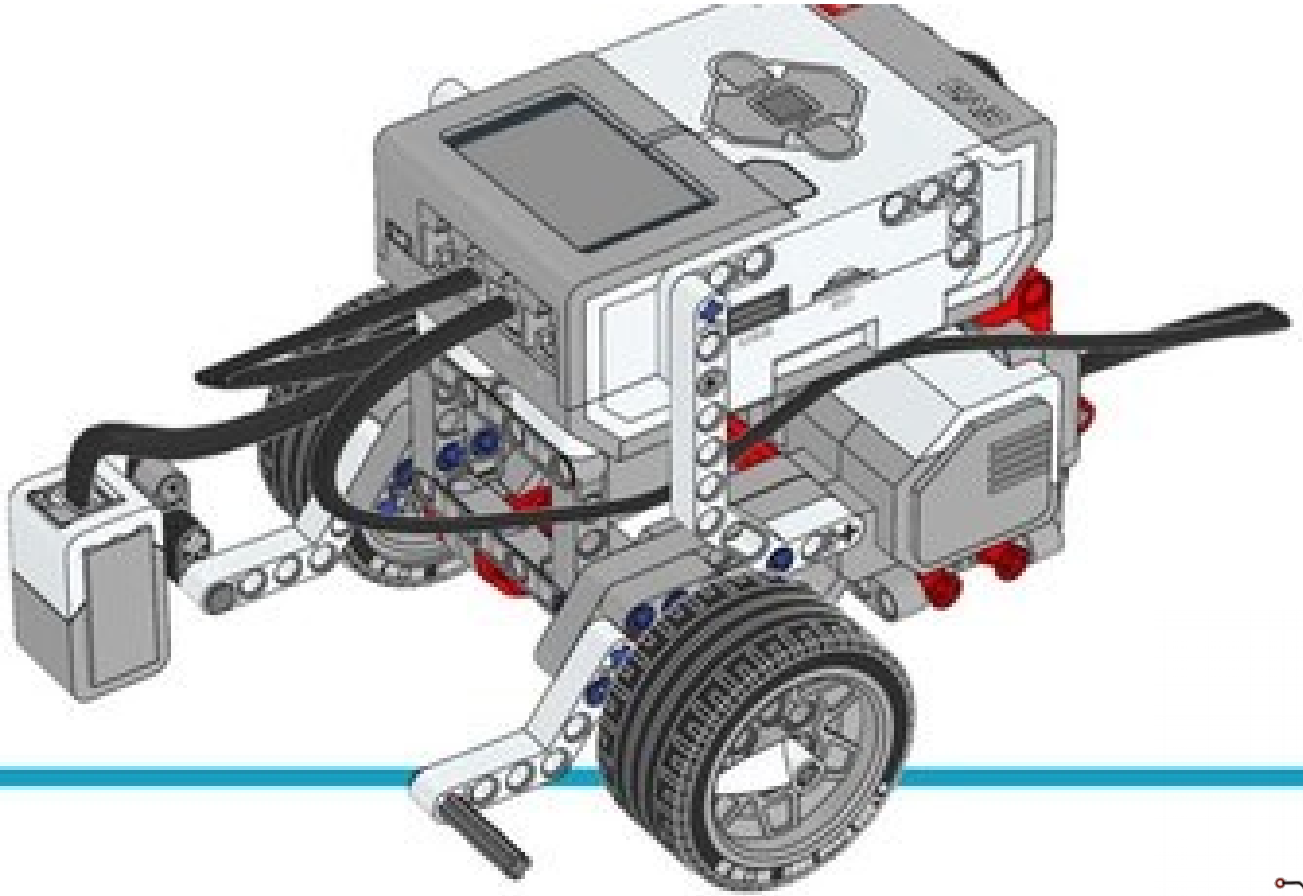
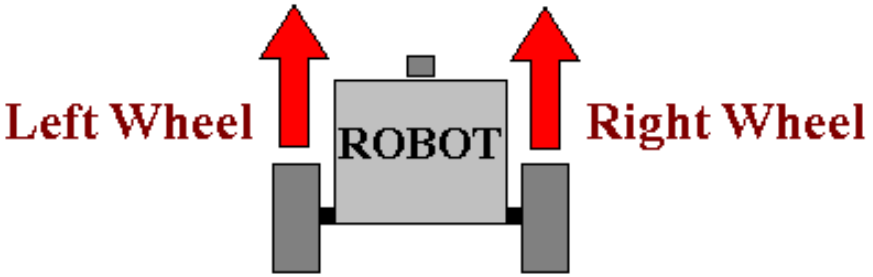
2-Wheel Base

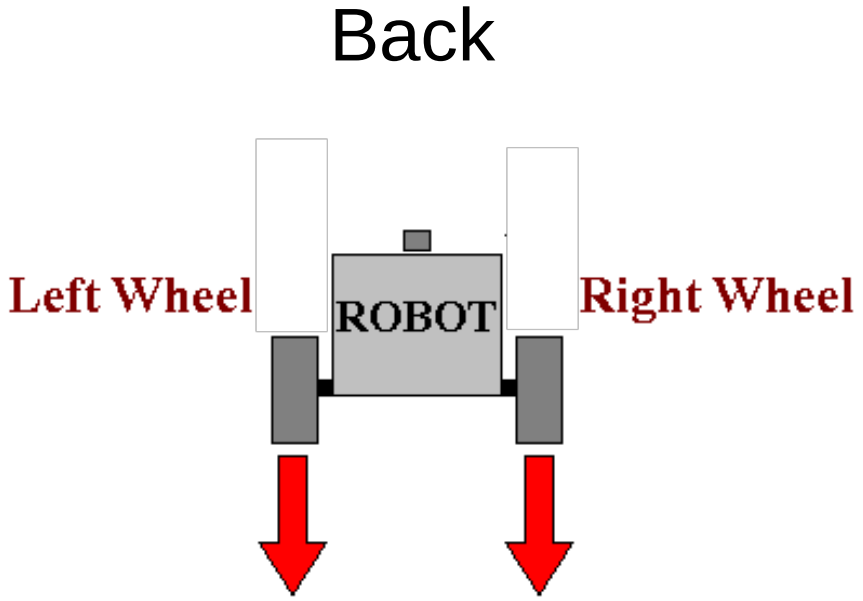


2-Wheel Differential Drive

Forward

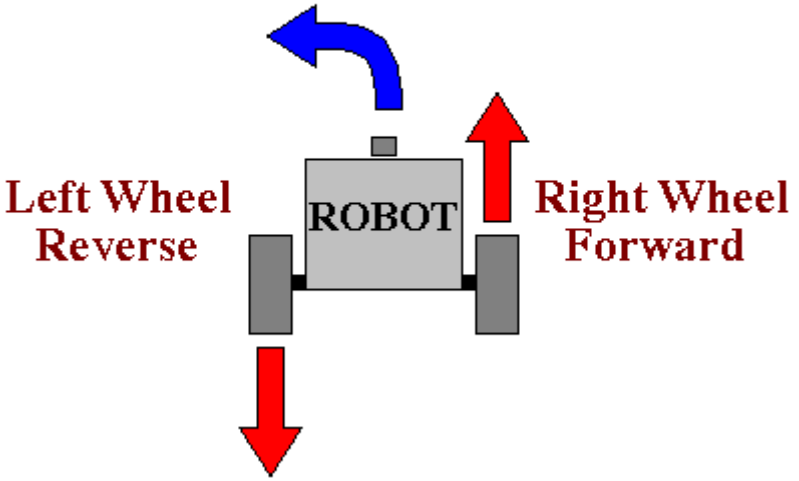


2-Wheel Differential Drive



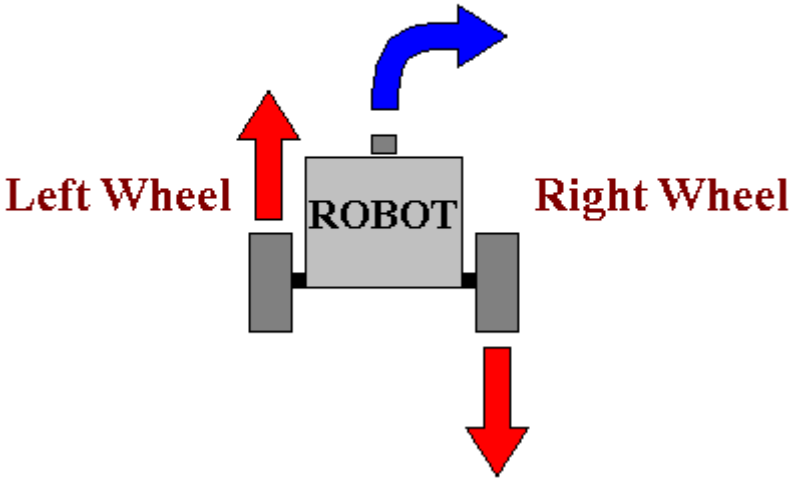
2-Wheel Differential Drive

Left Turn



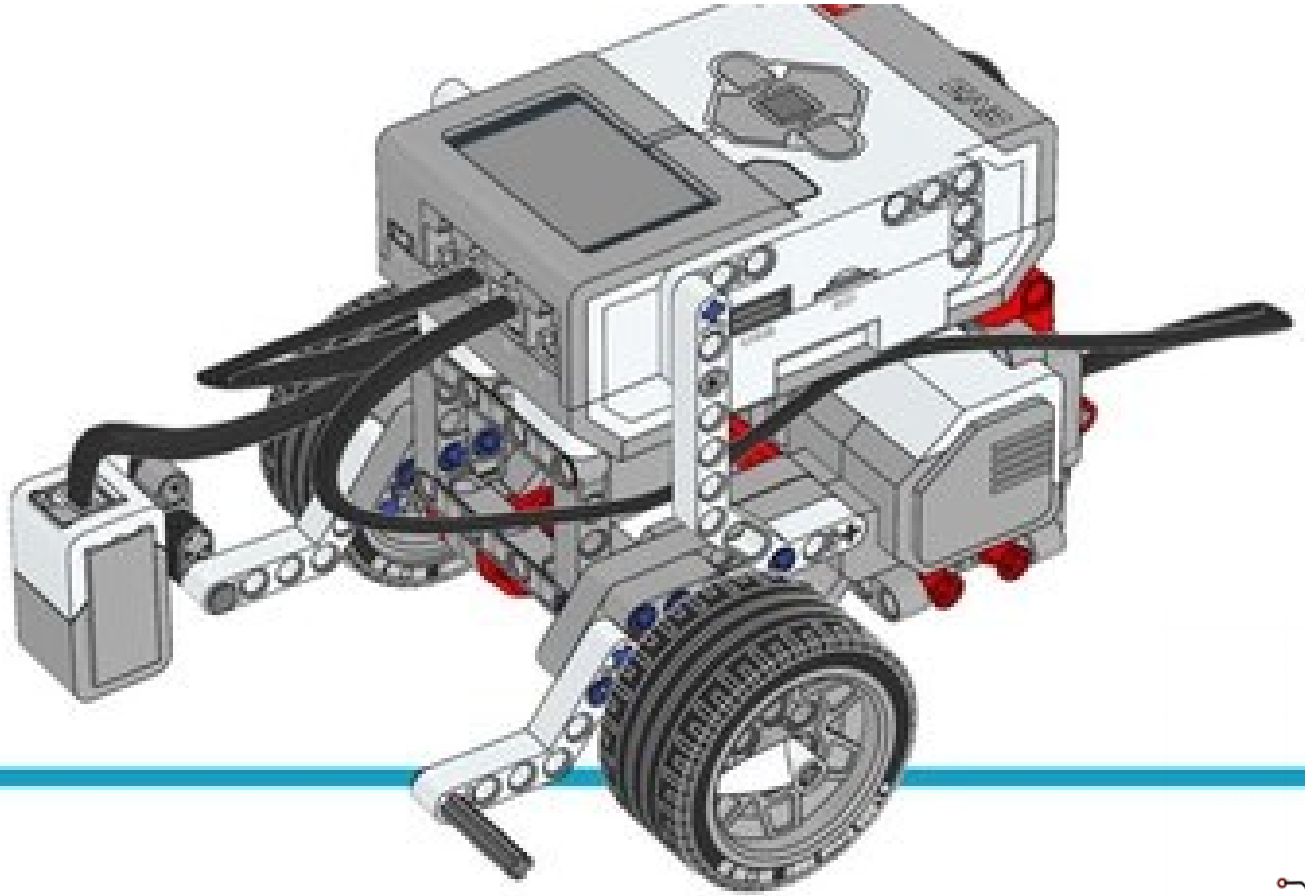
2-Wheel Differential Drive

Right Turn



EV3 Robot Educator

Let’s Build!!!



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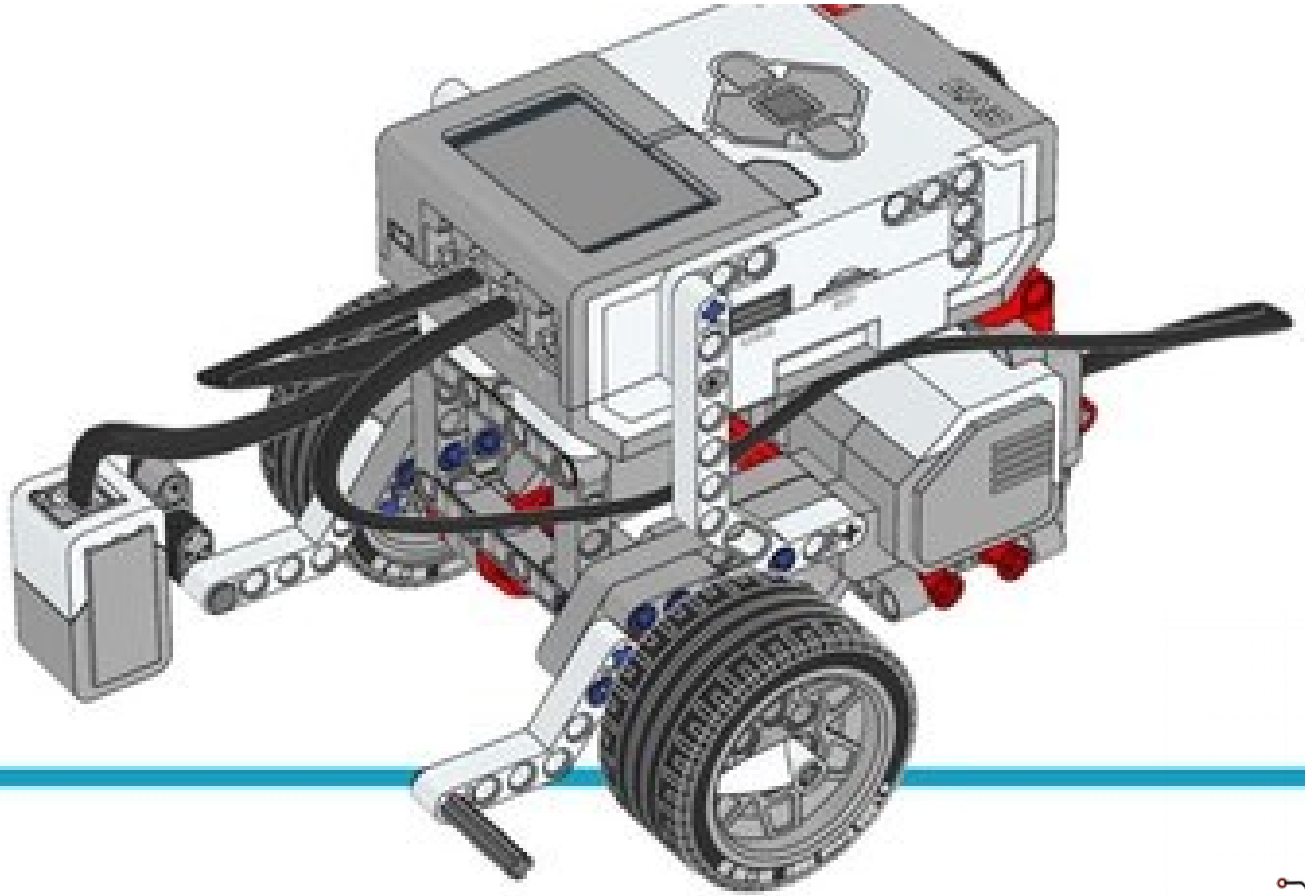
Then Program...



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