

Pedro Lesson nº1

Assemble Pedro

v1.0

Learning Objective

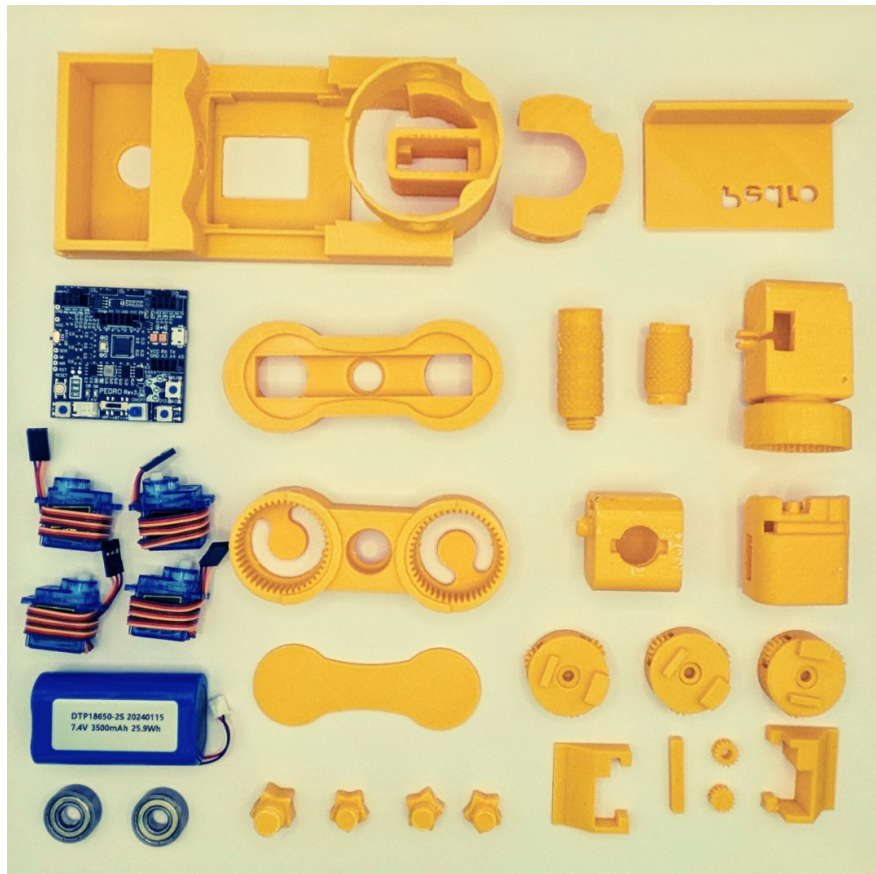
Discover the Pedro robot, understand its basic operation, and explore its different control modes.

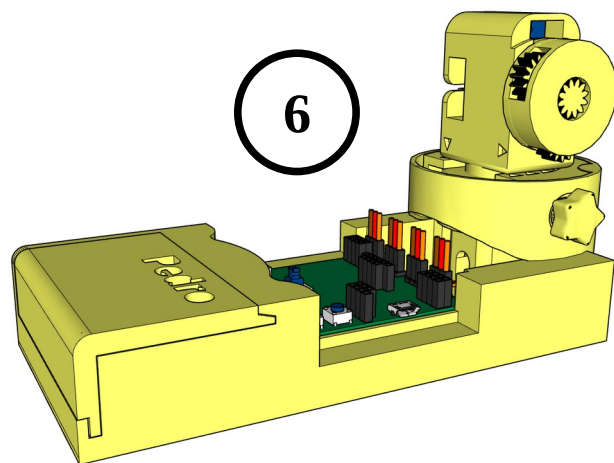
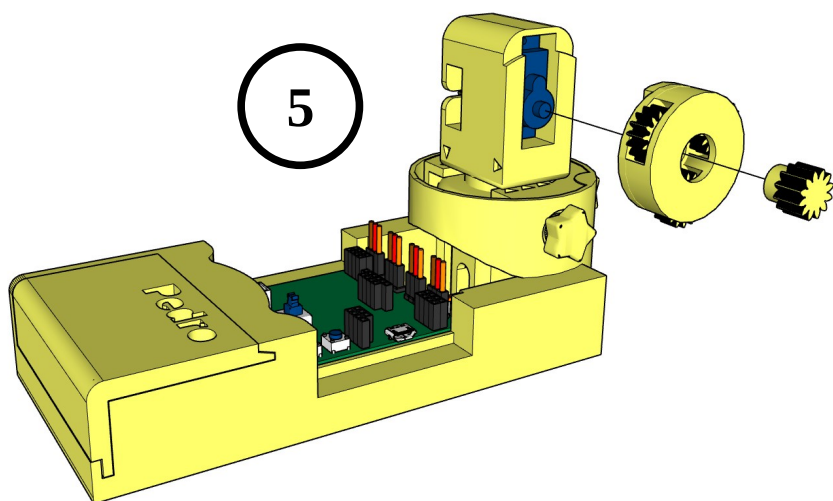
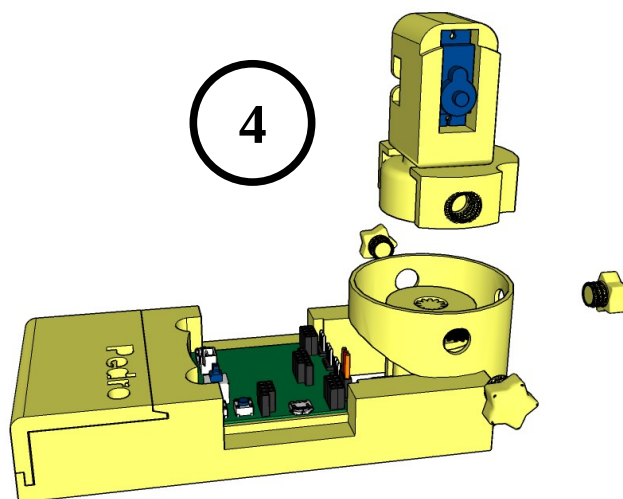
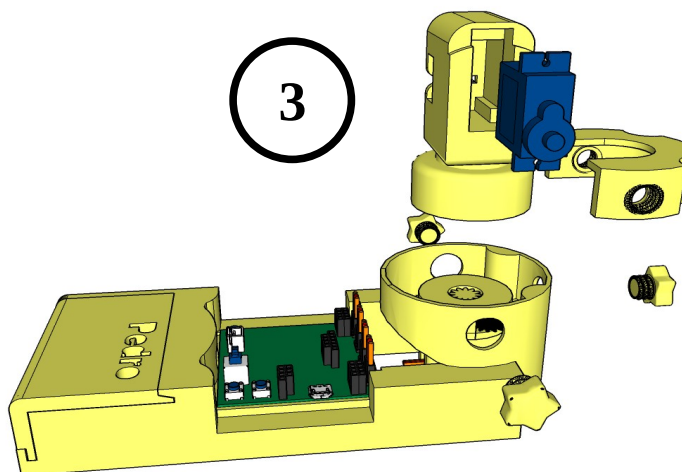
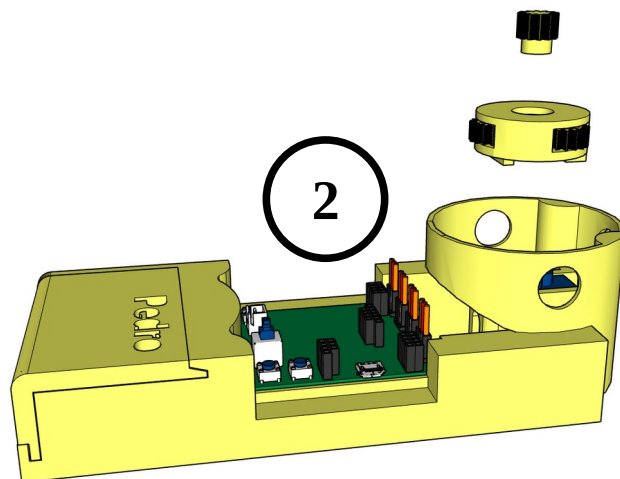
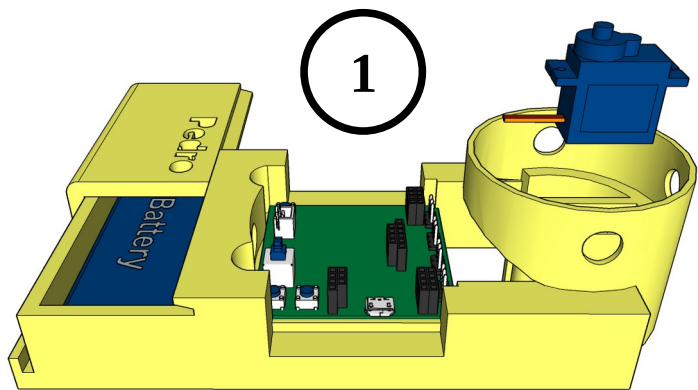
Students will learn:

- Basic concepts of robotics (programming, embedded systems, planetary gear systems)
- How a 3D printer works
- How to identify the components of a robot
- How to assemble a robot

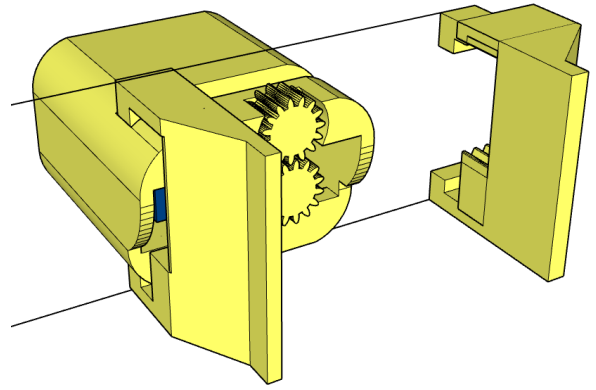
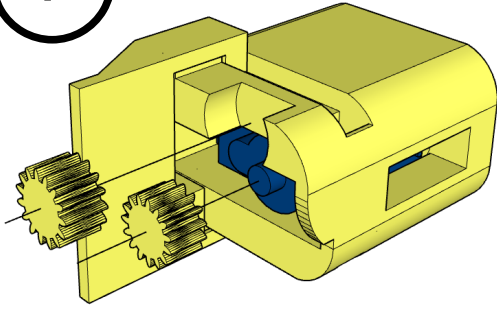
Required Materials

- ✓ All Pedro robot parts printed in 3D
- ✓ 2 ball bearings
- ✓ 4 continuous rotation (360°) servomotors
- ✓ 1 micro USB cable
- ✓ 7.4V battery
- ✓ Pedro Rev3 Electronic Board
- ✓ PC (Windows, Linux, or OS X) with Arduino IDE installed



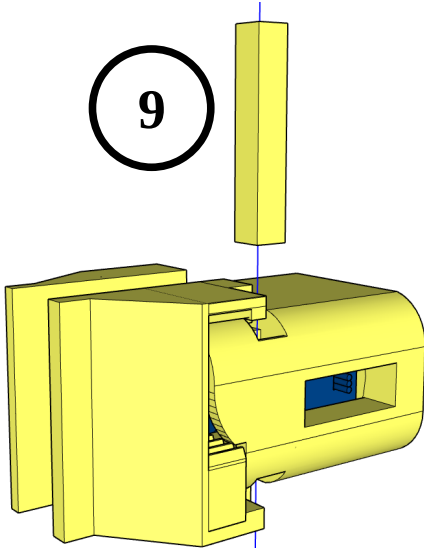


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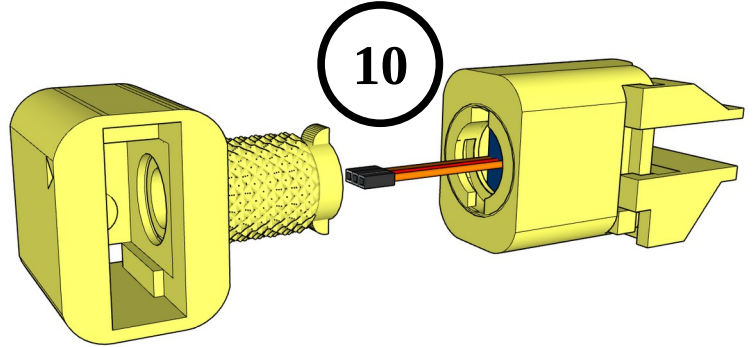


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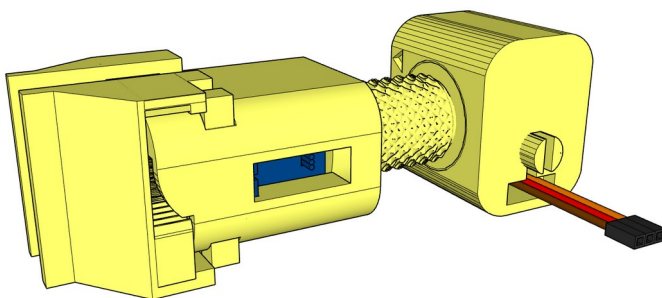
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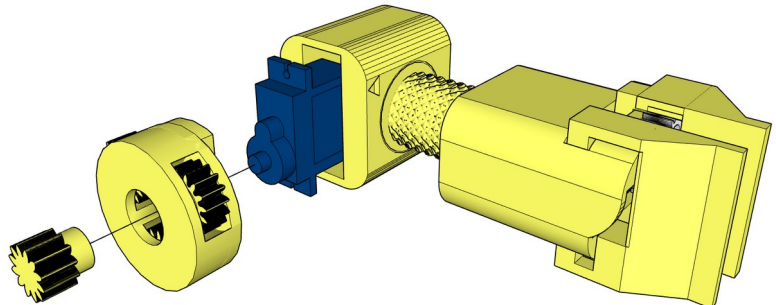
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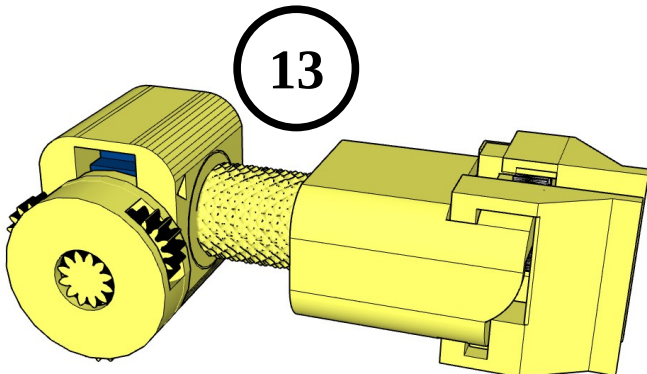
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