



STEM Lesson n°6

« USB Mode »

v1.0.0

PDF Tricks

*(To make sure the PDF file that opens in your browser shows the most up-to-date version,
add a version query to the URL, like this:*

https://almtzr.github.io/PedroSTEM/stem_lessons//myfile.pdf?v=2)

Learning Objective

Instructor Notes

- Recommended age: **12 years and older**
- Ideal for **STEM clubs, classroom workshops, or science projects**
- Students should have **basic computer literacy**
- Duration: **~2 hours**

Required Materials





| Item | Quantity | Description |
|------------------------------------|--------------|----------------------------|
| Pedro Robot Full Assembled | 20 units | Two robots by student |
| Computer (Windows, Linux, or OS X) | 1 or 2 units | With Arduino IDE installed |

Final Activity

At the end of the workshop:

- Students complete a **30-question quiz** to review key concepts.
- Teachers can discuss real-world applications of robotics and 3D printing.

Table of Contents

| | |
|---|---|
|  Learning Objective..... | 2 |
|  Instructor Notes..... | 2 |
|  Required Materials..... | 2 |
|  Final Activity..... | 2 |

Work in progress...

END

Pedro STEM Lesson n°6