



2023

Introduction to Scrapy

R2: SCRAPY Guide

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Table of Contents

1. Introduction to SCRAPY	2
2. SCRAPY Kit	2
3. SCRAPY Coder	2
4. SCRAPY Guide	2
5. SCRAPY Academy	2



1.Introduction to SCRAPY

The SCRAPY KIT is built based on the use of the Raspberry Pi Pico Microcontroller. The “SCRAPY KIT” is created under an Erasmus+ Co-funded project.

The new trend in remote education, brought by the COVID-19 pandemic, poses a gap in teaching and practising activities with physical computing reaching students at risk of low performance in such STEM subjects.

The KIT's goal is to support and promote hands-on educational learning in physical computing and programming, in cases of distance teaching and within the classroom setting. KIT provides a combination of physical computing principles and programming with hardware and software, leading to an innovative learning experience.

2. SCRAPY Kit

It consists of Raspberry Pi Pico microcontroller, sensors and custom electronics, and other necessary peripherals. It is for hands-on learning by combining online and offline worlds. Acquiring skills and physical computing. Experiment with creating circuits and programming.

3. SCRAPY Coder

It is an Online programming environment, a drag-and-drop coding platform based on Google Blockly to program hardware.

4. SCRAPY Guide

The SCRAPY Guide provides learners with fundamental and essential knowledge in electronic and physical theory, as well as you will find in “SCRAPY KIT EXPERIMENTS” comprehensive lesson plans.

ns and detailed instructions on how to utilize the suggested hardware and software for implementation.

5. SCRAPY Academy

An online space where educators, students and stakeholders can meet online, and further develop project results.