

WORKSHOPS

WORKSHOP 1 - VIDEO DOOR ENTRY SYSTEM

Installation and setting of a video door entry system for two houses in a simulation panel:

- Introductory Lesson and preliminary test.
- Security measures during development of the activity.
- Identification of components, materials and tools.
- Placement of components and channels on the panel.
- Wiring of the different components of the installation.
- Connection to power and verification of operation of the installation.
- Creation of a T-Video and a T-Book.
- Final test.

Responsible teacher: Mr. Orlando Hernández. Location: Workshop T-3B

T-2B - WORKSHOP 2 - ASSEMBLY OF A COMPUTER

Identification of components, assembly and setting of a personal computer

- Introductory Lesson and preliminary test.
- Security measures during development of the activity.
- Identification of devices, materials and tools.
- Placement of components on mainboard and the PC Tower.
- Wiring of the different devices of the installation.
- Connection to power verification of operation of computer and PC settings.
- Creation of a T-Video and a T-Book
- Final test.

*Note: Due to the lack of time the **Operative System** will be pre-installed on the hard drive.*

Responsible teacher: Mr. Manuel Vega. Location: Workshop T-2B

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WORKSHOP 3 - AMPLIFIER CIRCUIT

Construction of a basic amplifier circuit on a PCB based on the TDA2003 IC.

- Introductory Lesson and Preliminary test.
- Security measures during development of the activity.
- Identification of components, materials and tools.
- Placement of components on PCB.
- Welding of the different components of the circuit to the PCB.
- Connection to power and checking the operation of the circuit.
- Creation of a T-Video and a T-Book.
- Final test.

Responsible teacher: Mr. Carmelo Almeida. Location: Workshop T-2A

WORKSHOP 4 – DEVICE BASED ON ARDUINO

Control and automation of a car park using Arduino.

- Introductory Lesson and Preliminary test.
- Security measures during development of the activity.
- Identification of components, materials and tools.
- Placement of components to the model.
- Wiring of the different components in the model.
- Connection to power and basic programming of the Arduino.
- Creation of a T-Video and a T-Book.
- Final test.

Responsible teacher: Mr. Francisco Seva. Location: Workshop T-3A

WORKSHOPS

WORKSHOP 5 – TIME DELAY SWITCH *(By local team)*

Installation of a Time Delay Switch for lighting of staircase in a building

- Introductory Lesson and Preliminary test.
- Security measures during development of the activity.
- Identification of components, materials and tools.
- Placement of components on the panel.
- Wiring of the different components of the installation.
- Connection to power and checking the operation of the installation.
- Creation of a T-Video and a T-Book.
- Final test.

Responsible teacher: Mrs. Yaiza Guardia. Location: Workshop T-60