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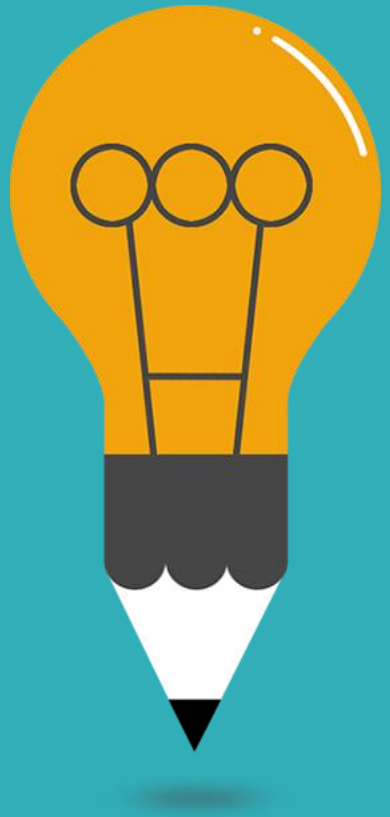

NOTEBOOK OF TECHNICAL PROFESSIONS

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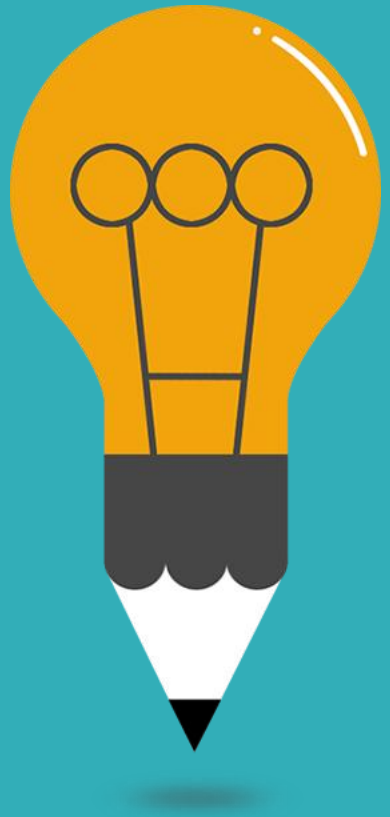

"Alexandru Domsa" Technological High School Alba Iulia, Romania

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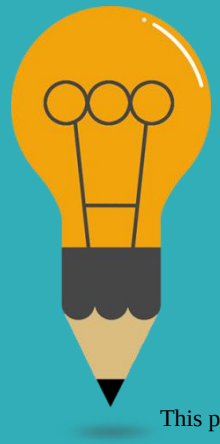
ELECTRO MECHANIC IN MACHINERY AND INDUSTRIAL INSTALLATION

DESCRIPTION

An electromechanical operator is a professional (craftsman) trained for the field of electrical installations and equipment



SKILLS

Thorough knowledge of the working procedures and the order of their execution

Knowledge of the types and functional parameters of machines, machine tools and devices specific to the workplace

Skills to maintain tools, devices, and verifiers.

Knowledge of technical drawing

Knowledge in the electrical field

Thorough understanding of technological documentation

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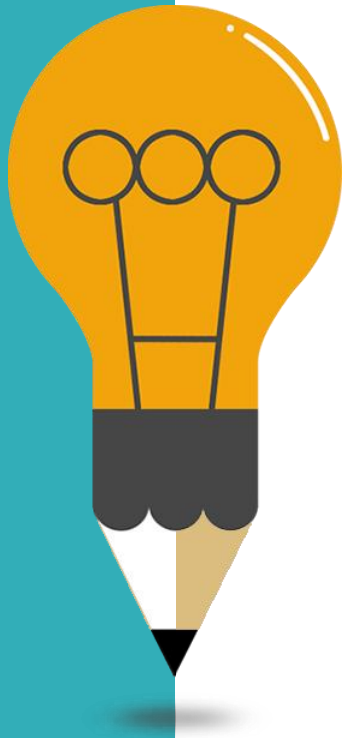
PARTNERS



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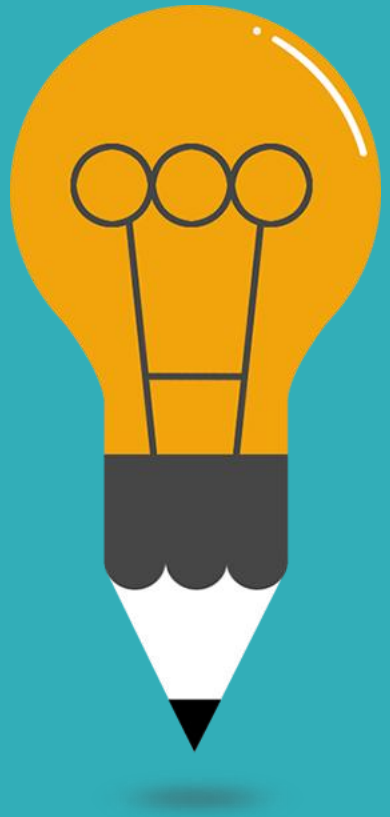

Bildungsgesellschaft mbH Pritzwalk Germany

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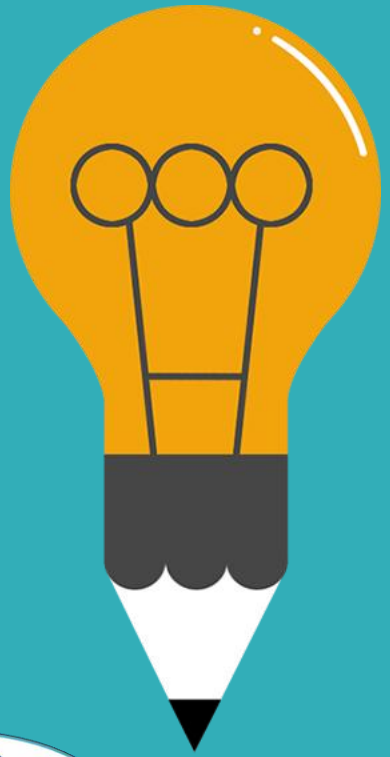
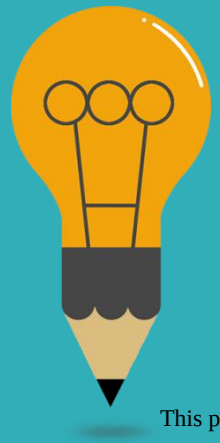
CUTTING MACHINE OPERATOR



DESCRIPTION

A cutting machine operator is a skilled worker who observes and applies cutting machines in operation. He is responsible for the records data concerning amount and type of stock cut from duties performed, including weight, length and width, and cleans and lubricates cutting machine.



Central Aspects:

- Learning new practical skills
- Operating machines
- Ability to read and understand information and ideas presented in writing
- Getting knowledge of raw materials, production processes, quality control, costs, and other techniques for maximizing the effective manufacture and distribution of goods

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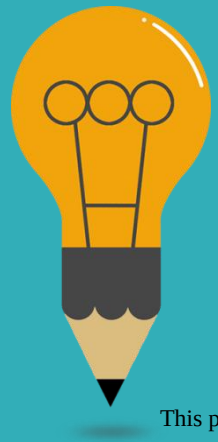
Secondary Aspects:

- Using logic and reasoning to identify the strengths and weakness of alternative solutions, conclusions or approaches the problems
- Being accurate with numbers in counting, measuring and arithmetic
- Work requiring accuracy and attention to detail
- Working in a workshop of factory
- Practical skills and theoretical knowledge, including maths
- Systems Analysis und Systems Evaluation

Other Aspects:

- Being physically active and on your feet
- Understanding the scientific uses and properties of materials
- Working in a noisy environment
- Good communication skills (working with clients and other operators)



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Work activities

- Controlling machines and processes
- Handling and moving objects
- Performing general physical activities
- Inspecting equipment, structure of materials, or surroundings
- Recording and documentation of information
- Repairing and maintaining mechanical equipment

Personal qualities and skills

- The ability to read and understand information and ideas presented in writing
- Wrist-Finger Speed: The ability to make fast, simple, repeated movements of the fingers, hands, and wrists
- You should be able to quickly and accurately compare similarities and differences among sets of letters, numbers, objects, pictures, or patterns. The things to be compared may be presented at the same time or one after the other. This ability also includes comparing a presented object with a remembered object

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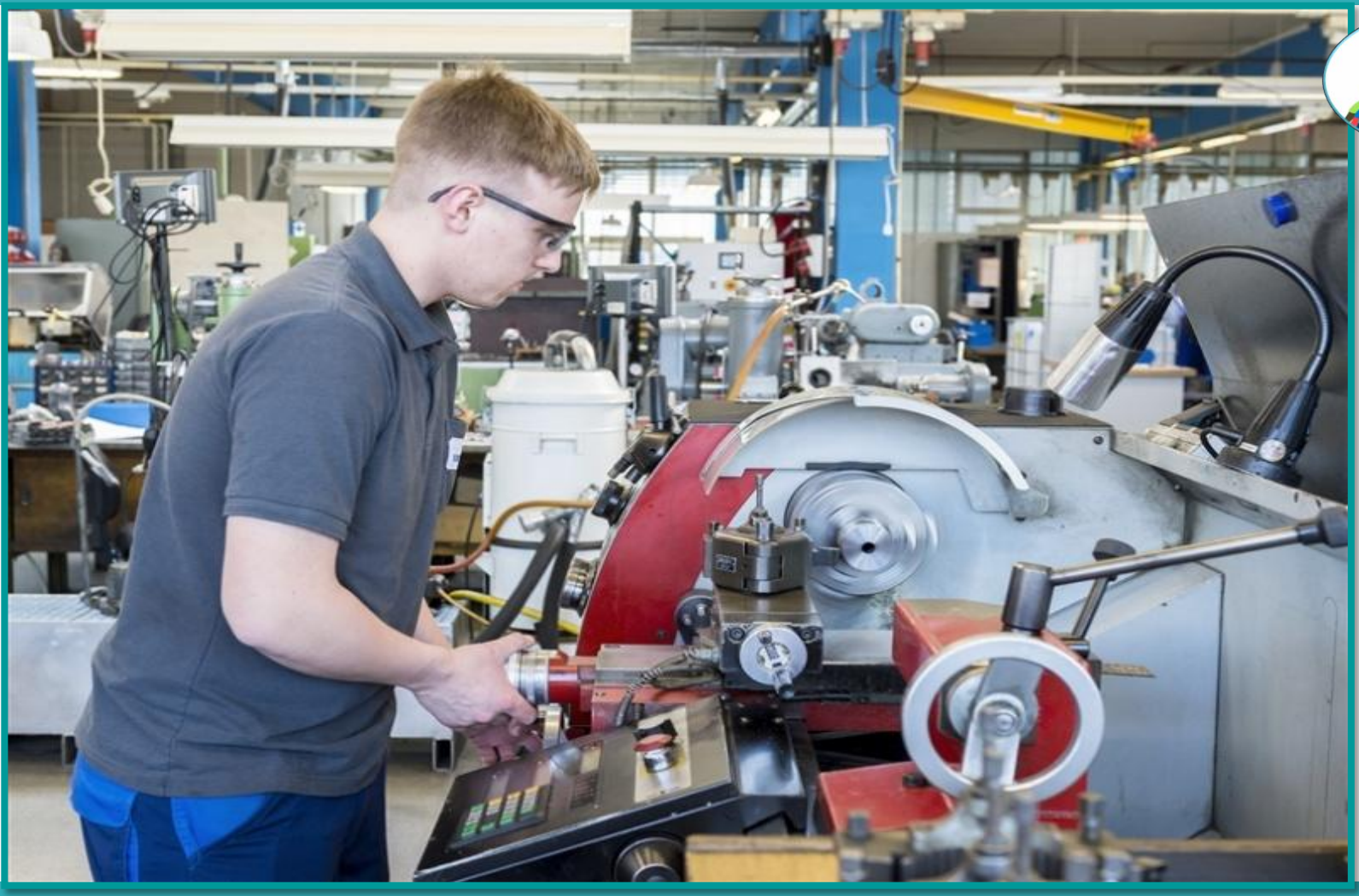

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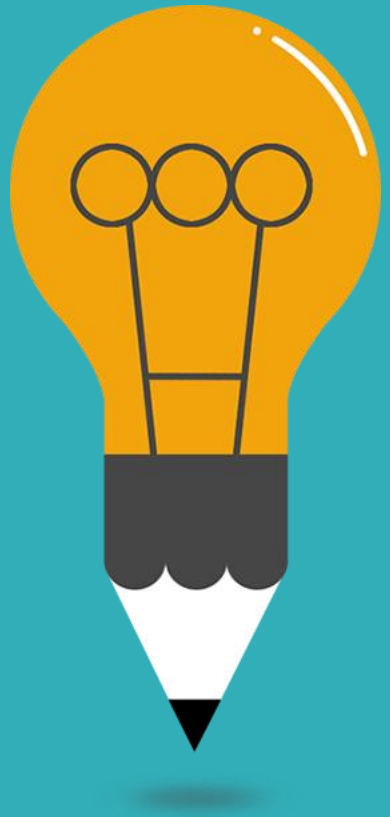

IPSIA “LUIGI SANTARELLA” ISTITITO PROFESSIONALE PER L’INDUSTRIA E L’ARTIGIANATO BARI, ITALY

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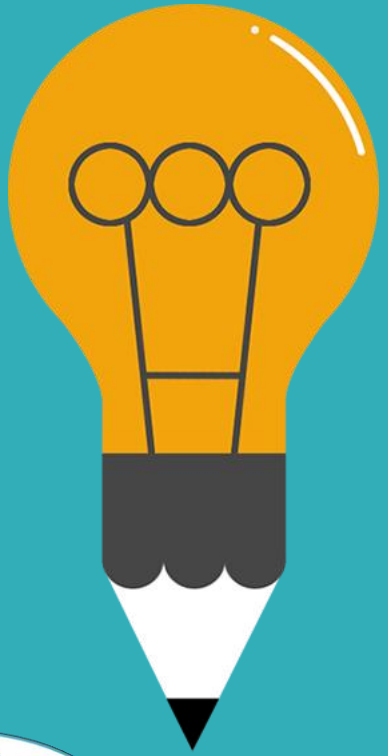
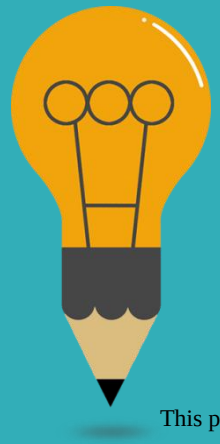
MAINTENANCE AND TECHNICAL ASSISTANCE



DESCRIPTION

The maintenance technician is able to manage, organize and do – responsibly and autonomously – interventions of installation and ordinary maintenance, of diagnosis, of fixing up and of testing referring to small system, technical plants and devices.



SKILLS

Analysing and interpreting schemes of equipment, systems and devices.

Installing equipment and systems, also programmable, according to technical specifications and respecting the sector rules.

Identifying any failure or anomaly, resetting the functionality and in accordance with technical specifications and rules about users' safety.

Cooperating to the activities of checking, adjustment and test, providing for the release of the certification according to the legislation in force.

Respecting health and safety rules in working places and environment protection.

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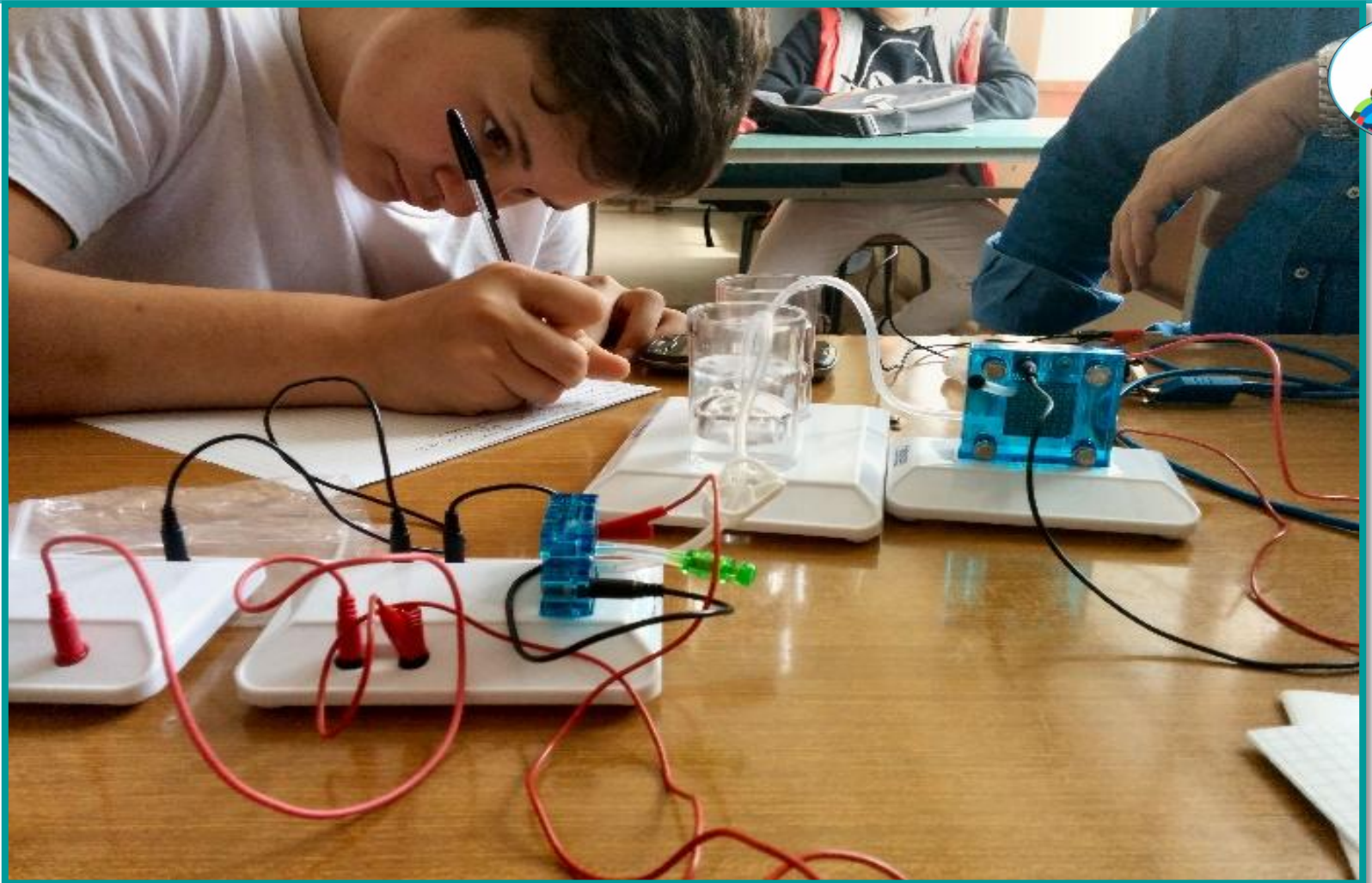

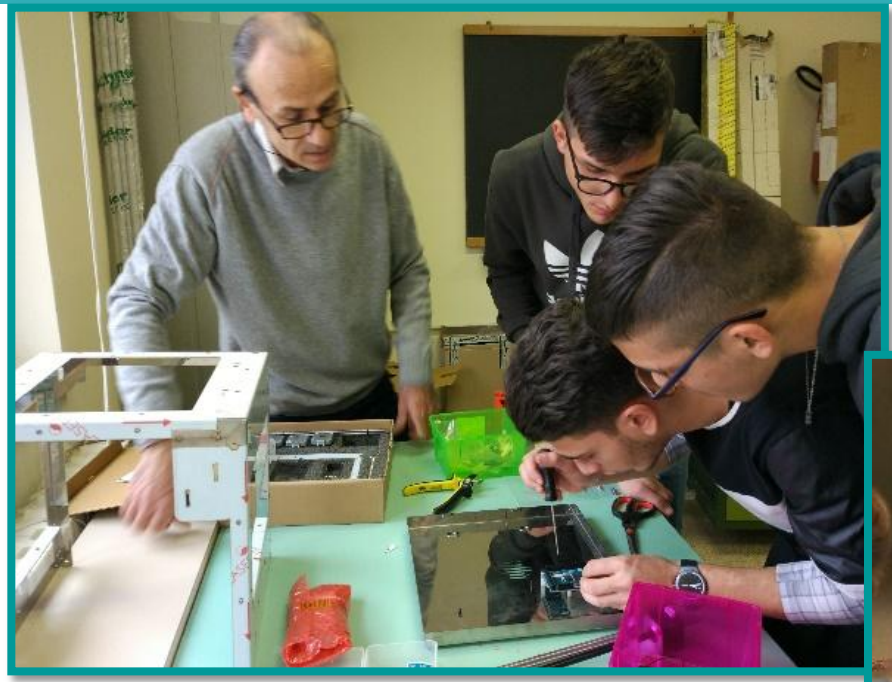

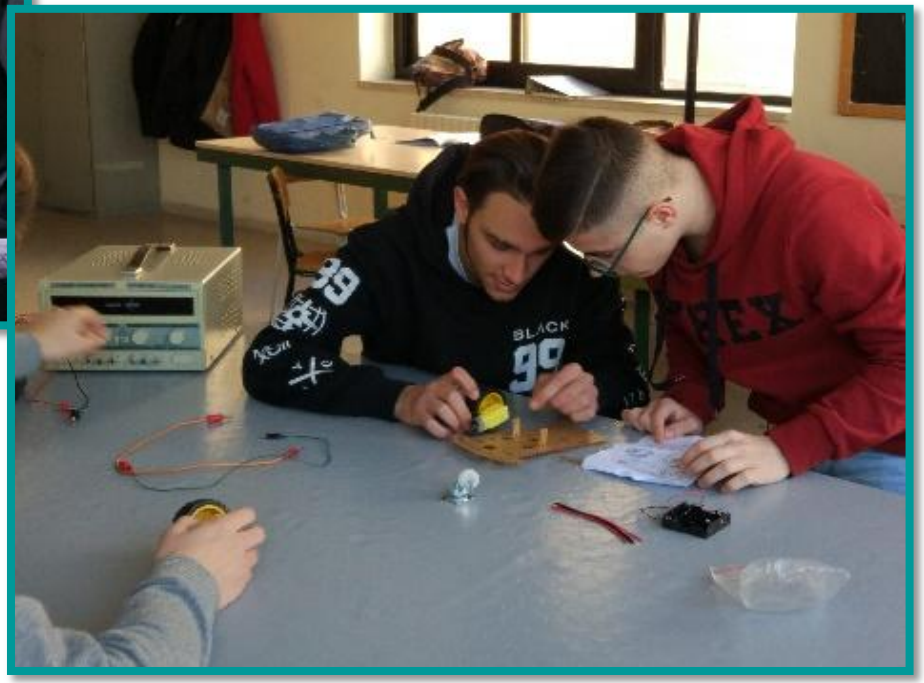
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> **Your work is to discover your work and then with all your heart to give yourself to it.**
>
> **Buddha**

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