

Activity training 14 october 2023- Liceo scientifico G. Galilei - Potenza

<https://www.orizzontescuola.it/i-progetti-didattici-nelle-scuole-scarica-fac-simile-scheda-project-work/>

The project work takes place in three fundamental phases:

- a) the formulation of a problem
- b) the search for solutions
- c) its presentation behind a communicative action.

The problem is the challenge that must be answered. However, in the classroom, it is up to the teacher to define the challenges and their relevance to the educational process. It is also the teacher's task to help students develop relevant and meaningful projects, avoiding unsuccessful results and helping all students to stay motivated and develop an adequate understanding of the contexts of the activities.

The objective of the project work

The goal of project work is to expand the potential of each student. This is achieved through the project, which starts from the search for the solution to a problem, and which is carried out effectively in a given space and time in an educational context, allows the development of a conscience accompanied by a communicative act on reality. (promotes the fusion of critical consciousness)

Project work experiences

Work with projects is an educational proposal based on skills training, which seeks the development of active learning through student participation; all while avoiding "traditional" pedagogy (i.e. passive, verbal and theoretical).

Project work experiences consist of work developed by students in one (or more) subjects or school context, under the guidance of the teacher, in order to develop meaningful learning, acquire and work with specific ideas and concepts and skills according to the level of education they attend.

Perception and cognition

Project work experiences activate perception and cognition:

The perception of oneself, of others and of the context;

Mobilize individual knowledge and active group sharing, encouraging motivation and awareness of the world;

Working on the contents of the school in its relationship with life and science.

The tasks carried out by the project work experience

The project work methodology is developed on three levels:

- defining objectives (problem formulation)
- the development of the action (problem resolution)
- the communication process (extroversion and evaluation of results).

Defining objectives starts from identifying a problem and the reasons for its resolution. From these objectives a project is outlined, i.e. the ways to solve the problem are defined.

Normally, we try to segment into meaningful parts or units of resolution, then, distribute the tasks, define the resources to be used and plan their implementation.

After the research activities it is necessary to create an extroversion process.

Finally, the public presentation of the project, in the classroom, should present the solution to the problem, defining its relevance.

The project must be discussed and evaluated in terms of contributions obtained and any defects left unresolved.

The generation of project work

Project work should be generated by choices about students' experiences. The theme should be included in a generic way in the curricular objectives of the educational program, it should start from an experience shared by the students, a topical issue. Exceptionally it can start from a problem proposed by the teacher, and there is a need to work on these questions. All topics can be addressed with the project methodology.

Monitor information collection

The teacher should, after having defined the theme of the problem, help to raise the set of hypotheses. It should also be noted that a project is not just the acquisition of information but a means of acquiring new knowledge, of using and consolidating the acquired knowledge and of applying it in new contexts. The teacher or the person being educated also has an important role in monitoring the collection of information, in drawing attention to the essential concepts and in working on the group's motivation to achieve their objectives, being aware of the difficulties and trying to mediate to overcome them.