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# Experimental spaces for teaching biology in university education

Natividad Bustos Rusinque
https://orcid.org/0009-0001-5384-5723
El Nula, Apure state / Venezuela

## Abstract

This article presents an analysis of the importance of environments that promote active learning through experience, exploration, and practical work, including laboratories, interactive classrooms, nurseries or gardens, natural environments, and other pedagogical spaces within the teaching of biology.

## Introduction

Biology is a natural science dedicated to the study of life and associated phenomena. Its teaching is based on a combination of theory and experimental applications, which are often realized through practical experiences.

## Aspects addressed

- ✓ Experimental spaces, as places dedicated to activities involving contact with objects and phenomena.
- ✓ The study of biology, as a conceptual and empirical component that addresses living beings and their characteristics, through experimentation with elements such as: objectives, exercises, familiarization with phenomena, illustrative activities, concept learning, and research.
- ✓ The need for teachers to adopt pathways for experimentation from their own context.

## Conclusions

- ✓ Experimental spaces are a connection between teaching methods, resources, and plans in the teaching process.
- ✓ The presence of a teacher specializing in the area is essential for addressing topics from a conceptual perspective.
- ✓ The lack of resources and planning systems with limited strategies and techniques in biological subprojects leads to a dominance of theory over practice.

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