



IPPAcademy

CERTIFICATE IN

PROJECT-BASED LEARNING IMPLEMENTATION

2024 Edition



INTERNATIONAL PHONETICS &
PHONOLOGY ACADEMY



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Certificate in Project-based learning implementation
by IPPAcademy

Online Coursebook 2024
1st Edition

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Gold Standard PBL Project Design Frameworks and Teaching Practices Framework
Designed by Buck Institute for Education

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COURSE OVERVIEW

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- Unit 2: PBL Project Design Elements
- Unit 3: PBL Teaching Practices
- Unit 4: Planning and Managing A Project
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- Unit 6: PBL Examples
- Conclusion
- Assessment
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Course Outline & Details

Course Objective

This course will equip educators with the knowledge and skills to effectively implement project-based learning (PBL) to their students.

Participants will learn how to design, manage, and assess projects that engage students and promote critical thinking, collaboration, and real-world problem-solving.

IPPAcademy is committed to High-Quality PBL (<https://hqpbl.org>) and uses the Gold Standard Project Design and Gold Standard Teaching Practices developed by Buck Institute for Education in this course.

Course Assessment

The assessment for the course consists of essay type question(s). The assessment is designed to evaluate the participants' understanding and application of the course concepts and strategies.

Successful completion and passing of all tasks are required to be eligible for the digital Certificate of Completion.



Course Outline & Details

Course Structure

The course will be divided into 6 main units, structured in a way so that you can learn the background, planning and design elements and assessment . Each unit will cover a different component.

You are encouraged to complete the course material before attempting the Assessment Tasks.

The course units:

Unit 1: Project-Based Learning in a Nutshell

Unit 2: PBL Project Design Elements

Unit 3: PBL Teaching Practices

Unit 4: Planning and Managing A Project

Unit 5: Assessment and Evaluation

Unit 6: PBL Examples

Conclusion

Assessment

Instructions for submission of Assessment Tasks will be clearly written at the session.

Let's begin!

Unit 1: Project-Based Learning in a Nutshell

1.1 What is Project-Based Learning (PBL)?

Project-Based Learning (PBL) is an instructional approach where students learn by actively engaging in real-world and personally meaningful projects.

Unlike traditional teaching methods that often rely on lectures and rote memorization, PBL encourages students to explore, investigate, and solve complex problems over an extended period.

This method helps students develop a deeper understanding of the subject matter and acquire essential skills such as critical thinking, collaboration, and communication.



Unit 1: Project-Based Learning in a Nutshell

Six key Characteristics of PBL (Larmer, J. et al, 2015):

1. Student-Centered

In PBL, students take the lead in their learning process. The driving question pushes them to ask questions, and seek answers through research and experimentation.



2. Real-World Relevance

Projects are designed to be relevant to students' lives and the world around them. This relevance makes learning more engaging and meaningful.

For instance, a history project might involve students creating a documentary or drama about a significant event in their local community's past.



3. Inquiry-Based

PBL starts with a driving question or problem that students need to solve. This inquiry process encourages students to think critically and creatively.

For example, in a math class, students might be tasked with designing a budget for an actual class trip at the end of the term, requiring them to apply mathematical concepts to a real-world scenario.



4. Collaborative

Students often work in teams to complete their projects. This collaboration helps them develop social skills and learn how to work effectively with others.



Unit 1: Project-Based Learning in a Nutshell

5. Reflective

Reflection is a crucial part of PBL. Students regularly reflect on their learning process, what they have achieved, and what they could improve.



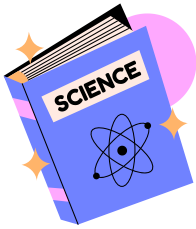
6. End Product

At the end of a project, students usually present their findings or creations to an audience.



Unit 1: Project-Based Learning in a Nutshell

Examples of PBL in Action



Science: Students investigate the impact of pollution on local ecosystems by collecting and analyzing water samples from nearby rivers and lakes. They then create a report and present their findings to local environmental organizations.



History: Students research the history of their town and try to create a video documentary showcasing significant events and figures. They could even work with local historians and interview primary sources.



Mathematics: Students design a new playground for their school, using geometry and measurement skills to create paper models. Their models could be used for exhibition.



English: Students write and publish a book of short stories inspired by their local community. The end product could be a physical book.