

IMPLEMENTATION FRAMEWORK



DESIGN YOUR OWN MULTIMEDIA LEARNING ENVIRONMENT (D.O.M.E.)

Project number: **2022-1-PT01-KA220-SCH-000089939**

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Introduction

This document intends to describe in detail the methodology to be used by partners during the pilot implementation phases of the project. It is thus directed, not only to the partners that will monitor and support the schools but also to all consortium members who should read it carefully and provide feedback in relation to the methodologies proposed.

Timeline for Partners

The project will be implemented according to the following phases:

1. **April / May 2023:** Multiplier Events 1
2. **July 2023:** D.O.M.E. Architect Academy (Summer School in Greece)
3. **September / October 2023:** Multiplier Events 2
4. **September 2023 – June 2024:** Implementation in schools

All partners will be involved in all phases of the project. The items 1,2 and 4 occur individually in each partner's country.

Implementation in Schools

Who can be involved?

Teachers and students from primary and secondary schools.

With this project, our aim is to apply the STEAM approach in the building of a DIY cardboard planetarium and developing presentations that will engage the local community and allow them to benefit from the planetarium and its associated resources. Students will use this opportunity to increase their competence profiles as well as the science capital of their community and the scientific reasoning and awareness of its members.

Numbers to be reached

Multiplier Events

10 teachers in each country (total of 30) for each event.

D.O.M.E. Architect Academy

Ireland: 2 teachers and 2 members of the local consortium

Greece: 10 teachers and 2 members of the local consortium

Portugal: 2 teachers and 2 members of the local consortium

Implementation in Schools

100 students in each country (total of 300).

Implementation Framework

All teachers will have access to the resources and documents to help build the DIY cardboard planetarium. These materials are available in the [D.O.M.E. website](#).

The most important document is the Guide, where it describes the detailed how-to-do with figures and text. The Pedagogical Framework, also available in the website, brings activities that the teachers can use in the classroom to complement the D.O.M.E. project.

How do we support teachers?

- Teachers will find different training opportunities that will support all the implementation activities. Namely, the Multiplier Events will be one of such opportunities.
- BCO, EA and NUCLIO will be the main supporters of the implementation in Ireland, Greece and Portugal, respectively. This support will be ensured through the already mentioned training events, on-site assistance, online meetings and email exchanges whenever necessary. Partners should keep regular contact with the teachers so as to ensure that they are feeling motivated and engaged in the implementation process at all times.
- All partners in contact with teachers should keep a reminder for the collection of evidence (pictures, testimonies, etc.) for the creation of the final roadmap.

How should partners keep a record of teachers' work?

In order to have good evidence to use on the final roadmap, it is very important that teachers and students take pictures of their work. For this reason, from the beginning this should be made clear to all teachers and regular reminders should be sent out.

By the end of the implementation period, partners should contact their teachers and ask them to write a brief paragraph about how D.O.M.E. project helps them to know an alternative way to learn, the non-formal space for education: planetarium. This should come with a selection of best pictures and quotes from teachers and students. Pictures could be from the classroom setting, the student's work in the many stages of the planetarium building, the planetarium session and any other they would like to share.

Project Evaluation: Implementation Impact and Efficacy

The impact and efficacy assessment will be done through:

- Each fully functional planetarium, because it is a concrete record of the D.O.M.E. project success implementation;
- The number of presentation sessions delivered is also a record of the D.O.M.E. project success;
- Regular conversations with teachers which allow for an all-times feedback collection and possible quick amendments to the implementation process, if necessary;
- The number of interactions in the Forum is a strong indicator of cooperation and collaboration between the participants of the project.