3 2 1 ALGO LITTLE

Online Local Workshop for the Integration of Algorithmic Thinking Skills into Preschool Education

Reporting Partner Institution: Scuola di Robotica
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Objectives of the Local Workshops

The partners of ALGOLITTLE determined the objectives of the local workshops as follows.

1- To provide reliable information related to the integration of algorithmic thinking into preschool education by making benefit from the experiences and creative ideas of the workshop participants,
2- To compile the collected data with the information provided in the knowledge paper which all partners prepared through a joint work before the organisation of the local workshops.
3- To use the data collected during the preparation of the knowledge paper and the organisation of the online local workshops to prepare the higher education curriculum as the first intellectual output of ALGOLITTLE.
4- To assist preschool teacher candidates, preschool teachers and other interested educators to learn how to integrate algorithmic thinking into preschool education by sharing the collected activity examples with them

Expected Outcomes

The following outcomes were expected from the workshop:

1- The separate reports of the five countries that have organised and carried out the online local workshops

2- A summary of the reports giving a brief information about the processes

3- Quality evaluation of the online local workshop organisations

4- Activity examples to the integration of algorithmic thinking skills into different learning areas provided in preschool education

5- Grounding the base for the creation of the titles of the curriculum

Workshop Organiser/s (optional)

The Worshop has been organised by Scuola di Robotica. Dr Fiorella Operto, Beatrice Masala and Luca Gilardi presented and mediated the workshop.

Participants

Partners decided to invite at least 20 participants to the online local workshops. If possible, the number of the participants and the workshops could be increased. Participants consisted of preschool teachers, ICT teachers, and experts on computer programming.

Methodology

All online local workshops included plenary sessions to present how to integrate algorithmic thinking skills into preschool teaching and a brief presentation about the project practice, to provide example activities and to share experiences.

The workshop organisation

- **During**

1- Opening
2- An introductory presentation on the project practice
3- A presentation on how to integrate algorithmic thinking skills into preschool education
4- Discussions about algorithms, algorithmic thinking skills, learning areas and integration activities
5- Closing

- **After**

1- Creating an activity pool (on a cloud service) for participants enabling them to upload their activity examples to the platform (optional)
2- Creating an email group for further exchanges (optional)
3- Sharing an online form to gather their opinions and activity examples in writing.
4- Sharing an online form to inquire about the quality of the local workshop organisation
5- Preparing a booklet including the activity examples shared at the workshop (optional)

Workshop Process

The workshop started with a brief presentation about the ALGOLITTLE project (why we started the project, what are the aims and the outcomes, IO's, partnership, …), then the concept of Algorithmic Thinking has been discussed, both taking information from the paper review and from the partner's experiences. In the second part of the workshop, the main focus was the discussion about example activities that can be carried out to support the Algorithmic Thinking skills learning. During the final part of the workshop, we asked participants to share their ideas and opinions about the activities, and we asked them to send us proposals for activities (annexed on the Google Drive), and to fill the project modules (report template and questionnaire about AT).

Results

- Mostly handled issues
- Participants' general ideas (as items)
- Lessons learned
- Activity Examples (how to integrate…)
- The general evaluation of the workshop results
- **Please offer a list for the titles of the "curriculum" based on the data that you collected for the knowledge paper, and during and after the workshop.**

Annexes (Upload to the google drive)

1- Participant List
2- Presentation/s
3- If possible, video records of the workshop
4- Screenshots from the workshop
5- A brief press news about the workshop (both in English and in your native language)
6- Example Activities (if a booklet was prepared.)
7- Quality Evaluation Results (also send to UM)