Super Hero Lab

Engaging Children as Scientists to Explore Sustainability

Newsletter 1

March 2024



Co-funded by the European Union

Welcome to the first newsletter of our Erasmus+ KA220 project "**The Superhero Lab**"! Our project, which launched on November 1st, 2023, responds to the EU efforts to equip all learners with sustainability competencies, enabling them to actively contribute to the green transition.

Kindergarten teachers require additional support when it comes to teaching sustainability concepts through science. Thus, **The Superhero Lab** seeks to **empower them through trainings and innovative curricula while also engage children as scientists through experiments that cultivate a love of science and STEM subjects**.

Overview of the project

Objectives

- Equip kindergarten teachers with the necessary skills and motivation to effectively conduct the Superhero Lab experiments.
- Deliver hands-on multilingual learning material with accompanying support materials for teachers.
- Conduct local Superhero Labs with children aged 4-6 within the associated kindergartens and wider.
- Empower the Superhero Lab partnership to further innovate age-appropriate experiments.

Target Groups

- Kindergarten Teachers
- Teacher-Trainers
- Children aged 4-6

Expected Results

- **The Superhero Lab learning material pack** that will include 15 hands-on experiments and a comprehensive Teacher's Handbook
- **The Superhero Lab blended learning training course,** that will include video tutorials, course curricula, presentations, and worksheets for teachers (MOOC)
- **Best practices collection** that will consist of existing practices on teaching sustainability in kindergartens and a compendium with reports on Superhero Labs with children.

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1st Transnational Project Meeting

From February 27th – 29th, 2024, the project partners and kindergarten educators from seven different countries met in Leipzig, Germany and exchanged their Activities/Frameworks on Teaching Sustainability in young learners aged 3-6! Their presentations highlighted the remarkable diversity and creativity present in sustainability education across various EU cultures. Moreover, the partners had the opportunity to officially begin all project activities, discussing the development of the experiments, timeline, planned results, social media branding and many more significant topics for the project.





Progress Report

The project is now well underway, and partners are working towards collecting more sustainability practices implemented in kindergartens across Europe, in order to effectively compile the Best Practices collection. This document will be in the form of a Handbook in digital format, with the aim of inspiring and motivating all kindergarten teachers to adopt sustainability in their everyday teaching activities.

To achieve that, the partners have organized a WEBINAR on April 9th, 2024, open to all interested kindergarten teachers around the EU, as well as a Pan-European Conference. During these events, practices on teaching sustainability in early childhood education will be explored and shared, spreading the word about sustainability through active cooperation.

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Participation Opportunities

The project cannot do without the participation of external stakeholders and interested parties, as their input and feedback are valuable to the development of our project. If you would like to follow of our project's progress and benefit from the professional development events and materials related to kindergartens, become a member of our FB group Erasmus+ Kindergartens:

https://www.facebook.com/groups/erasmuskindergartens

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