Co-funded by the European Union

STEMSiL

The STEMSiL project is on a mission to transform STEM education for deaf kids in Europe. Every child, no matter their hearing abilities, deserves a chance to explore the exciting world of Science, Technology, Engineering, and Mathematics (STEM). Families and deaf people are encouraged to join this journey alongside teachers, interpreters, and deaf students.

OBJECTIVES

01. Understanding the landscape: Analyse the current state of STEM education in deaf schools, pinpointing unique challenges and opportunities.

02. Innovative teaching tools: Develop creative methods and tools to help teachers and interpreters effectively teach essential STEM concepts in deaf classrooms.

03. Cultural awareness: Raise awareness about European Sign Languages and deaf communities in the context of STEM education, ensuring cultural inclusivity.

04. Real-world involvement: Encourage active participation of teachers, interpreters, and deaf students in hands-on STEM projects.

REVIEWING BEST PRACTICES: EXPLORE EXISTING METHODOLOGIES IN STEM EDUCATION WITHIN DEAF EDUCATION, BUILDING ON WHAT WORKS.

HANDS-ON LEARNING: PILOT, TEST, AND BRING TO LIFE THE STEM TOOLKITS, CATERING TO THE DIVERSE NEEDS OF THE DEAF COMMUNITY.

ACTIVITY 1

ACTIVITY 2

ACTIVITY 3

ACTIVITY 4

TOOLKITS FOR ALL: CRAFT STEM TOOLKITS FOR TEACHERS, INTERPRETERS, STUDENTS, AND FAMILIES, MAKING STEM ACCESSIBLE TO EVERYONE.

COLLABORATIVE INNOVATION: IMPLEMENT STEM CO-CREATION LABS, ALLOWING DEAF STUDENTS, TEACHERS, INTERPRETERS, AND FAMILIES TO ACTIVELY CONTRIBUTE TO REAL-WORLD STEM PROJECTS.

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RESULTS

- Transnational insights: Present a comprehensive study of existing STEM teaching methodologies in deaf education across Europe.
- Sign Language lexicon: Provide an overview of STEM-related terminologies in selected European sign languages, fostering linguistic inclusivity.
- Handbook for all: Create a bilingual handbook on STEM-related methodologies in deaf education.
- Digital empowerment: The digital toolkit will include a visual lexicon in selected European sign languages, making STEM visually engaging and inclusive.
- Real-world impact: Anticipate seeing real-life STEM projects co-created by deaf students, teachers, and interpreters, showcasing the power of collaborative innovation.

PARTNERS

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CEIPES

AGRUPAMENTO DE ESCOLAS QUINTA DE MARROCOS

COLEGIO GAUDEM CENTRO CONCERTADO

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