



# FULL STEAM IN FINLAND, OULU

How to prepare children for future? Collaborative learning experience for teachers in Oulu, STEAM capital of the world

Full STEAM in Finland, Oulu is a unique event to all teachers who want to develop their STEAM skills teaching methods and familiarize themselves with the Finnish school system known to be a forerunner in the world. In Finland, we have a long tradition in collaborative and child-centred learning methods, so we have a solid foundation on which to elaborate new STEAM pedagogies. The course is organized by Educational and Cultural Services, City of Oulu and VisitEDUfinn Ltd. Both actors have a track record of organizing educational events following the Quality Standards for courses under Key Action 1 as required by the European Commission, so we can recommend this course for teachers with ERASMUS+ grant. However, participants from outside Europe and with other funding are also warmly welcome. The more diverse audience the more interesting course!



## STEAM BENEFITS

- Curiosity, exploring
- Creativity, outside the box thinking
- team spirit, social skills
- problem solving, real world applications
- Science is for everyone

# MARCH 19-25, 2023



## A 7-DAY COURSE FOR EDUCATORS

- lectures and presentations
- self-study online materials and facilitated discussions
- school visits
- workshops at the schools
- group work and discussions

## AFTER THE COURSE YOU WILL

- implement the fundamentals of STEAM-pedagogy and design-circle in your work
- combine your curriculum outcomes with principles of STEAM-pedagogy
- plan, implement and assess STEAM based curriculum outcomes as transversal, phenomenon based learning in your classroom
- use pedagogical tools such as programming and coding as well as 3D designing and printing as practical implementations in STEAM based projects



# GENERAL INFORMATION

## CITY OF OULU

Oulu is located about 600km North of the capital city Helsinki. Oulu combines Northern hospitality, nature and culture with modern technology. Oulu has over 200 000 inhabitants, and its investment in education, research and innovation makes it the fastest growing region in Finland. Oulu has been designated the European Capital of Culture in 2026. Despite its northern location, Oulu is well connected to the rest of the world. Oulu airport is the second busiest in Finland, and there are several connective flights every day from Helsinki.



## LEADING EXPERT



## MAIKKI MANNINEN

Ms. Maikki Manninen (Advisory Teacher for ICT Education) is both a class teacher and early education and care teacher. Her expertise lies eg. in ICT and STEAM education at the primary and secondary levels.

Her working tasks include training and consultation on ICT especially according to the Finnish core curricula and the local strategies for both ICT and STEAM education.

Ms. Manninen is also experienced in development projects funded by the Finnish National Agency for Education eg. on innovative learning environments.



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