



Introduction

Consortium:



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What is STEAM4AUT



In the dynamic world of STEM, we're on a mission to bridge the gap for children with autism spectrum disorders (ASD).

Our project is all about empowering educators with innovative approaches to STEM education. Our mission is to promote excellence in STEM and empower educators to support students with learning differences. We're developing innovative training materials to create inclusive classrooms that benefit all.

Project's full name: STEAM Education for Autistic Children

Project number: 2022-1-CY01-KA210-SCH-000084731

Duration: 01/09/2022 to 31/08/2024



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Who we are:

Co-ordinator:

Private Institute STEM Education Cyprus LTD was created with the aim of promoting STEM education to children in Cyprus. The institute provides courses for children from primary to secondary education using state of the art STEM approaches. Dr. Pericles Cheng, the director of the institute, has a long history of academic research and more than 18 years of teaching experience at the university level. In 2014, he received a Google 4 Schools grant and through that, he began teaching educators all over Cyprus in the use of robotics in the classroom. In 2017 he received his doctorate in educational robotics and in 2018 he became the only LEGO Certified Teacher Trainer in Cyprus. He published research papers on educational robotics and wrote a book chapter on the use of robotics with children with Autism Spectrum Disorder. He has participated in numerous national and European projects.



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Who we are:

Partner:

Novatex Solutions Ltd was founded in 1999 in Nicosia. Novatex has been involved in STEM related activities and other initiatives for more than 15 years. It is also operating a dedicated online shop for promoting electronics and other parts that are related to robotics and stem education. However Novatex has been particularly active in supporting initiatives such as the ERW (European Robotics Week) since 2013 - an EU robotics initiative. Novatex supports educational activities such as ROBOTEX, WRO, FLL etc.

Novatex has also participated in Research and Educational projects (STEMS + co creativity) funded by local funds and EU funds.



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Who we are:

Partner:

Ghent University is an open, pluralistic and socially engaged university. It is more than 200 years old and offers more than 200 programmes. It also conducts in-depth research within a wide range of scientific domains. Their organizational model provides autonomy for 11 faculties and their departments. Over the past 200 years, Ghent University has counted many eminent scientists, ministers and even Nobel Laureates among its staff and Alumni.



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Who is STEAM4AUT going to help?



The main goal of the project is to support educators that teach children with ASD by providing them with teaching material, techniques and methodologies that will enhance their teaching and provide a better teaching experience. We chose to target this group because it is important for educators to understand how to include children with ASD in the STEAM learning experience.

But eventually, the one group that is targeted indirectly are the children with Autism. The project aims to promote inclusion of children with

The target groups of this project are:

- a. The teachers that interact with children with Autism Spectrum Disorder
- b. The children with Autism Spectrum Disorder



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Our Mission



The main objective of the project is to support teachers who teach children with autism by providing them with teaching materials, techniques and methodologies that will enhance their teaching and provide a better teaching experience.

New STEM and STEAM approaches are more widely used in classrooms across Europe and it is important for teachers to understand how to include children with autism in the learning experience.

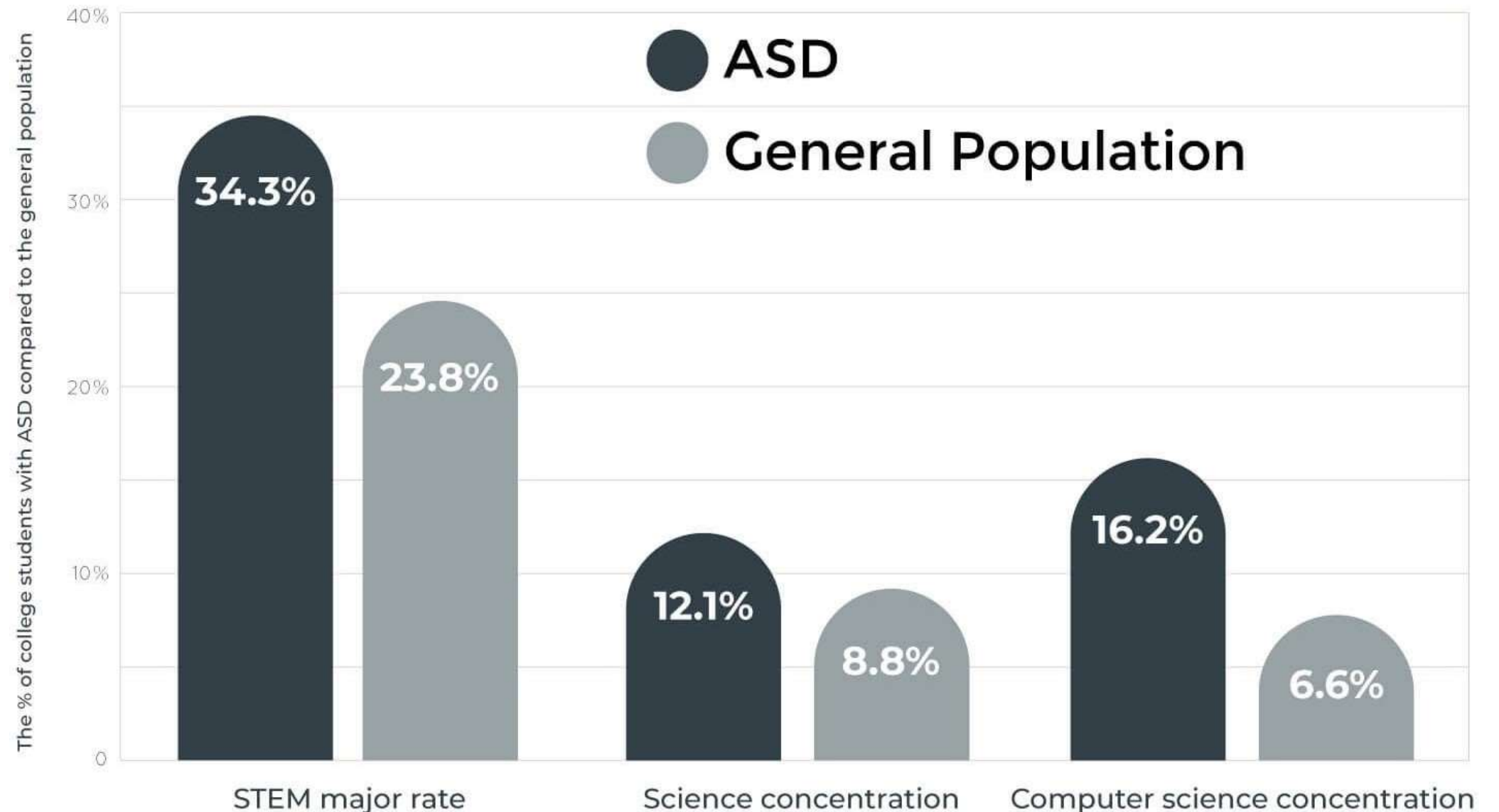


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STEM Participation Among College Students with Autism Spectrum Disorder (ASD)

- If teachers and parents provide more academic support at younger ages, including exposure to STEM, more students may have access to post secondary opportunities.



NCBI, "Science, Technology, Engineering, and Mathematics (STEM) Participation Among College Students with an Autism Spectrum Disorder." (2020)
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3620841/>

Training Activities



FREE for all participants:

- PHYSICAL workshops in Cyprus and Ghent
- Pilot Sessions with kids
- Certification of participation

* Each participant should complete a feedback form at the end of each session



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Training Activities



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Educational Material



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For more information:

<https://www.steam4aut.eu/>

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