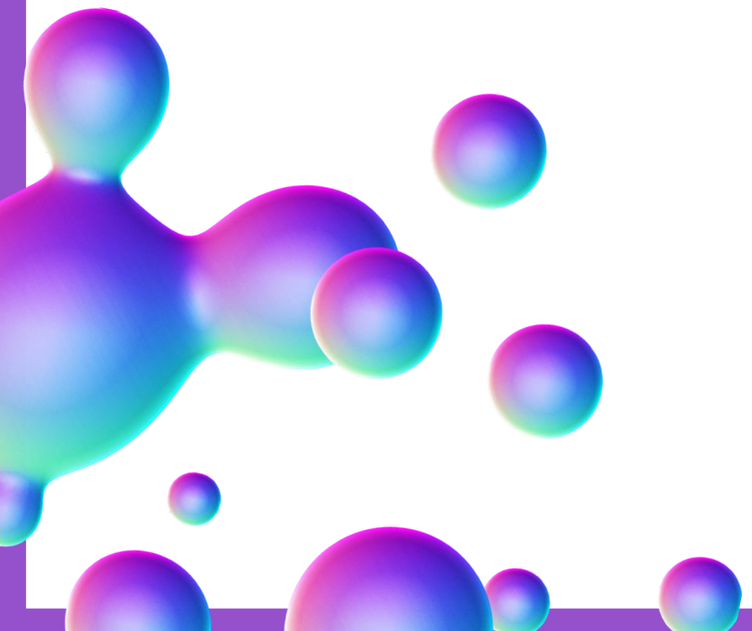
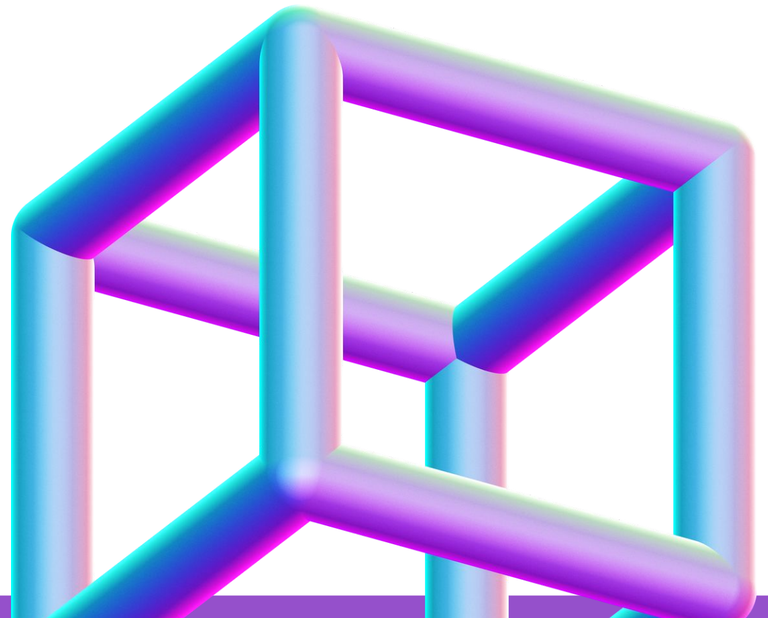
EMPOWERING STUDENTS THROUGH EDUCATIONAL ENHANCEMENT WITH 3D PRINTING TECHNOLOGY

Introduction





Co-Funded by:

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Consortium:

WHAT IS ESTEM 3D?

ESTEM-3D is an Erasmus+ funded project, whose goal is to assist disadvantaged areas, including schools, educators, and students, in learning about 3D printing technologies.The ESTEM-3D project trains educators to expand 3D printing in secondary schools, fostering access to new technologies. It promotes digital transformation, new curricula, and supports disadvantaged areas, all to equip students with skills for a changing tech-driven world, enhancing critical thinking, problem-solving, and collaboration.

Project's full name: Empowering Students Through Educational Enhancement with 3D Printing Technology

Project number: 2023-1-CY01-KA210-SCH-000157256

Duration: 01/10/2023-30/09/2025, 24 months

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Who we are:

Co-ordinator:

NOVATEX SOLUTIONS is an SME in Cyprus that specializes in digital skills, adult education, and career guidance. Their proficiency in these areas aligns perfectly with the project's objectives and underscores the synergies present within the consortium. During the project's initial phase, Novatex's contribution will be pivotal in identifying the specific areas where the consortium's combined skills may be lacking and in understanding the individual problems and needs of the project's beneficiaries. The target group for this project will be educators, although the company has experience working with a wide range of age groups, from young people for STEM education and robotics to adults for educational activities.

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Who we are:

Partner:

The "Jane Sandanski" Secondary Municipality School in Strumica, North Macedonia, was founded in 1947 and has over 1200 students aged 14-19. The school prioritizes the creation of quality generations and has highly qualified employees. It emphasizes the development of STEM education, the practical application of acquired knowledge of natural sciences, mathematics, physics, and chemistry using new digital and computer technology. The school is involved in various projects and has received many national and international prizes. It also promotes diversity, tolerance, and mutual respect and has an ECO committee that plans and implements activities in the field of ecology every year.

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Who we are:

Partner:

EDRASE is a private, not-for-profit association that works mainly with training and projects, both at the national and European levels. It is conducted by a board of directors with 7 people, has more than 150 members, and many external collaborators assisting in activities. EDRASE's main is to promote Natural and Social Sciences and ICT in Greece and the EU through Projects, Seminars, Lectures, Courses, and the Production of innovative Educational Material. EDRASE is focused mainly on Distance and Blended Learning and the use of Virtual Worlds and A.R. In recent years, their collaborations have expanded to Athens, mainly in matters of schools and youth and school education, in both formal and non-formal education.

εταιρεία δράσεων επιμόρφωσης

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WHO IS ESTEM 3D GOING TO HELP?

EDUCATORS: The project aims to train educators in 3D printing technology and its applications in remote areas of three countries.

SECONDARY SCHOOL STUDENTS: The project targets secondary school students who will greatly benefit from learning about these new technologies.

SOCIETY: By educating secondary school students on 3D printing technology, the project aims to prepare them for potential future careers in which they can apply this knowledge.

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Consortium Gallery

1st Transnational Meeting in CY - 17/05/2024

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Consortium Gallery

2nd Transnational Meeting in North Macedonia- 23/10/2024

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What will you learn in this project?

- Introduction to 3D Printing
- Application of 3D Printing in Education
- Tinkercad
- Materials of 3D Printing
- 3D Printing Workshop

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OUR OBJECTIVES

1.Develop educational material to train the teachers and secondary school students.

2. Train teachers who will further disseminate 3D printing technology to 100s of school students in their classrooms.

Successfully **expand the use of 3D printing technology in secondary schools** and provide students with access to the latest technologies and knowledge.

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Training Activities

FREE for all participants:

- Physical workshops in Cyprus, Greece and North Macedonia
- Certification of participation

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

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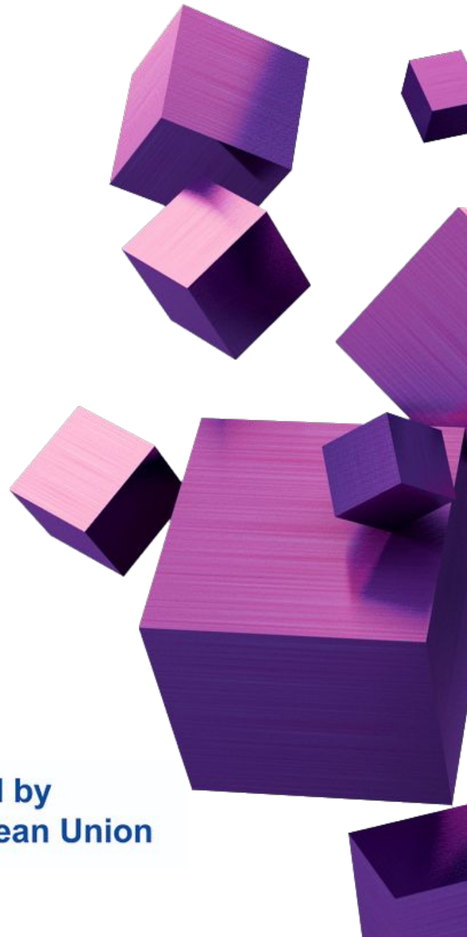
Our Online educational platform-Class365

Includes:

- All eduational material in Greek, English, Macedonian
- All relative videos and other resources
- All the recorded sessions



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THANK YOU!

For more information:

www.estem-3d.eu

www.facebook.com/estem3d