

Drones4STEM in action!

The project **D4STEM** aims to support school education organizations in 4 countries (ES, GR, SI, IT) and across Europe in their efforts to deliver teaching methodology for helping students to develop relevant skills in STEM, using drones.

The teachers, involved in preparatory activities like “Training of trainers”, the webinars and the Community of practice (see Newsletter nr. 2) can now count on a wide-ranging training platform!

DRONES4STEM Training Platform!



The Drones4STEM Training Platform is an online training programme (MOOC) for teachers aiming to enhance digital and pedagogical skills by focusing on the integration of drone technology within STEM education. The program is structured to build the capacity of teachers, enabling them to effectively operate and program drones for educational purposes, thereby enriching the learning experience.

The overall objective aims for the upskilling of teachers to operate and program drones for educational purposes and enhance the teaching and learning experience in STEM education.

The course is divided into 4 modules and dozens of units, including relevant training contents, presentations, videos and an assessment rubric, as well as a collection of resources, applications, exercises and exemplars, each aiming to improve learners' skills.

You can create your missions and then receive a Certificate for completion!

If you are a teacher, register [here](#).



Programming Experience

The course will provide teachers with hands-on programming experience, introducing them to programming concepts and teaching coding through Scratch and Python



Drone Technology

The course will familiarise teachers with drone technology, software and hardware as well as drone related ethics and safety



Communication

The course will provide a platform for collaboration and communication amongst learners



Problem Solving

The course will assist teachers with developing problem solving skills through engaging challenges

Let's Pilot! Drones4STEM finally "is landing" in the classrooms!"

The pilot activities make the training course contents and 3 use cases available to teachers and students in their classrooms, providing them with an opportunity to acquire programming skills for drones. The goal for the students is to understand how a drone works, what components it consists of and what we can do with it. The goal is also to distinguish between how drones differ and what we can do with each one. Once the student understands how a drone works, they can connect this to a practical use case. Then the goals become to create a flight program and to give instructions to drones, as well as to collect data using sensors and to analyse it. More than 240 students are expected to be involved in the pilots!



D4STEM Project partners....



The European Digital Learning Network ETS –DLEARN –aims to embrace the challenges brought by the digital revolution in terms of digital skills mismatch, toward an inclusive digital society. 47% of Europeans are not properly digitally skilled – yet in the near future 90% of jobs will require some level of digital skills and numerous opportunities in terms of jobs that are going to shape the labour market. Our aims are characterised by 4 key-words: SHARE, CONNECT, MULTIPLY, ENHANCE. DLEARN is a collector of practices and ideas, gathering diverse organisations in Europe to reflect, think and trigger new initiatives, toward the valorisation and the enhancement of digital learning.

The network is made of 34 different organisations from 21 EU's countries, active in the field of education and digital learning at various levels.

[LEARN MORE ABOUT DLEARN](#)

STAY TUNED!



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