DataScEd4CiEn

DATA SCIENCE EDUCATION IN STEAM FOR CIVIC ENGAGEMENT AND SOCIAL JUSTICE FROM THE EARLY YEARS

Professional Development on Teaching Data Science

DESIGNED FOR STEAM TEACHERS BY EXPERTS FROM GERMANY, IRELAND, SPAIN, GREECE, CYPRUS

HIGHLIGHTS

DATA SCIENCE FOR STEAM, CIVIC ENGAGEMENT & SOCIAL JUSTICE (AGES 9-15)

- Understand core ideas of data science literacy within STEAM education
- Learn how to address civic engagement & social justice through data-driven inquiry
- Explore high-quality, ready-to-use learning materials
- Gain insights from classroom implementations across Europe
- Get introduced to modern digital and AI tools for teaching data science

3 DAY ONLINE EVENT:

- 2nd , 9th of February and 5th of March
- 18:00- 20:00 EET
- Online (link will be provided upon registration)

Reserve Your Spot Now!

Co-funded by the European Union

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DETAILS

Session 1

- **Conceptual Framework of Data Science**

  Appreciate how data science techniques can be used to explore complex societal problems and social justice issues that arise within STEAM contexts

- **Introduction to Data-Centered STEAM education**

  Advocate for the integration of data science into STEAM curricula to prepare students for a data-centered world

Session 2

- **Toolkits to implement DataScience in the Classroom**

  Setting good guiding questions, finding good data sets, data moves and on data exploration with digital tools

- **Machine Learning & AI – Data Science Education for Ethical Use & Active Citizenship**

  Knowledge, perspectives, and practical strategies for introducing data science concepts within the context of (AI) and (ML)

Session 3

- **Applying the DataScEd4CiEn approach in the Classroom and Aligning it to the Curriculum**

  Share ideas and experiences within a dynamic transnational community of educators

CONSORTIUM

Certification will be provided

DESIGNED FOR TEACHERS BY EDUCATORS IN STEAM, DATA SCIENCE AND TEACHER EDUCATION

- University of Münster, Germany
- The English School, Cyprus
- European University Cyprus, Cyprus
- National Kapodistrian University of Athens, Greece
- Mary Immaculate College University of Limerick, Ireland
- La Salle-Buen Consejo, Spain

European University Cyprus
Universität Münster
HELLENIC REPUBLIC National and Kapodistrian University of Athens
THE ENGLISH SCHOOL
La Salle Buen Consejo Puerto Real
MIC MARY IMMACULATE COLLEGE LIMERICK, IRELAND

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