



STEM

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STEMFORYOUTH: new ways to attract young people to Science and Technology

Are you ready for citizen science at school? Would you like to learn how engineers solve practical problems? Do you want to explore the scientific phenomena that dominate our everyday lives and work?

10 partners from 6 countries are tackling these issues head-on in the frame of the new European Commission funded project, titled "STEMFORYOUTH- Promotion of STEM education by key scientific challenges and their impact on our life and career perspectives". It is an educational project under the biggest funding programme for research and innovation, Horizon 2020, and it falls within the axis of Science with and for Society. The project, coordinated by Warsaw University of Technology, commenced on 1st May 2016 and will end on the 31 October 2018.

STEMFORYOUTH aims to produce a comprehensive, multidisciplinary series of courses presenting key challenges in Science, Technology, Engineering and Mathematics (STEM) to support young people, primarily high school students aged 12-19, in formal and informal education. The project is a unique collaboration of universities, schools, institutions, and foundations who promote science and technology between boys and girls alike, by creating challenging missions relevant to the students' day-to-day lives.

This is how the project works: the content will be organized in 6 STEM disciplines: Mathematics, Physics, Chemistry, Astronomy, Engineering and Medicine and one trans-disciplinary module (Citizen Science at Schools). For each discipline, 7-9 challenges will be presented largely through their practical applications and their influence on everyday life. The project activities will also show which work skills and competences can be developed through STEM education, and how these address the future needs of the European labor market. As a result, the project will provide a helicopter view of STEM disciplines and jobs characteristics associated with these disciplines to help young people take conscious decisions on their future (subject of interest, field of study and finally career path to pursue).

Universities, science centers, research institutions and companies from 6 countries make up the consortium: Poland, Greece, Italy, Spain, the Czech Republic and Slovenia. These institutions will work in pairs across the different countries to develop and pilot the project, identify what works best for students, and encourage public institutions in charge of education, such as ministries and local authorities to uptake the project activities in their respective educational systems across Europe.

More information is available at: www.stemforyouth.eu

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