

Science Education Department Monthly Focus

The Science Education Department at European Schoolnet aims to encourage more students to follow Science, Technology, Engineering and Mathematics (STEM) studies and go into STEM careers, and more importantly, ensure all students understand the key role STEM has in our lives.

To achieve this, we support our Ministries of Education

by working with teachers, industry partners and other STEM education stakeholders, offering professional development opportunities, carrying out validation pilots, curriculum analysis and dissemination of good practices.

We are currently involved in over 15 projects and in each monthly focus we will highlight a service/area we work on.



//October 2020//

Short news

Within the framework of the **STE(A)M IT** project 60 participants (industry representatives, Ministries of Education, experts in STEM Education, researchers, and teachers) reunited for the **STE(A)M IT 2nd Co-Creation Workshop** on the 2nd of October. Together, the participants discussed and exchanged on the status and development of the **STE(A)M Integrated framework** and the enrichments of its various components.

Have a look at the summary of the workshop, slides and other materials directly on the [STE\(A\)M IT website](#).

The **L2C Learning Leadership for Change** project aims to highlight, during its **Online Conference 2020** on 26-27 November, how shared leadership in schools is a suited approach, especially in times of uncertainties, as a way to move forward collectively and in solidarity at the whole school level. School leadership has been high on the reform agenda for decades and even more since the radical and accelerated changes in the past few months.

Please note this event is only for Policy Makers and Stakeholders. For more information, visit the [L2C website](#).

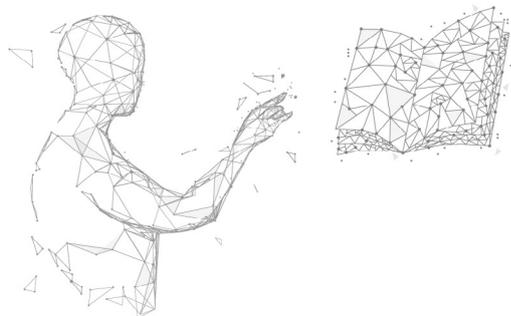
This month's focus: ARETE Call for Pilot teacher coordinators...

The **ARETE project** aims to implement Augmented Reality (AR) technologies in education. Within three different primary school education pilots, ARETE aims to enable disruptive innovation of AR for interactions, access, and distribution of content.

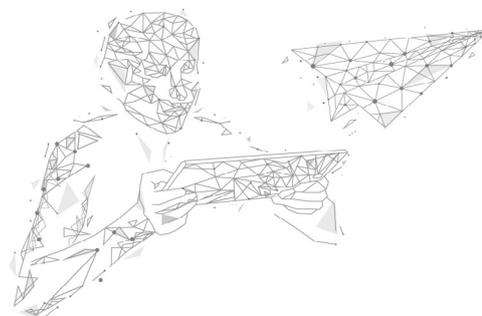
Pilot 1 redevelops an existing digital programme into an app containing Augmented Reality to facilitate teaching English language reading and spelling skills to students.

Pilot 2 focuses on the innovative and exciting way of learning geometry and geography through visualisation and interaction of Augmented Reality applications.

Pilot 1 and Pilot 2 are based on the WordsWorthLearning (WWL) and the CleverBooks ecosystems respectively and European Schoolnet is responsible for recruitment, selection, and coordination of teachers from across Europe who participate in ARETE Pilot 1 and 2 activities.



PILOT 1



PILOT 2



The work presented on this promotional material has received funding from the European Union's H2020 research and innovation programme – project ARETE (Grant agreement N. 856533).



...and the Scientix Online Survey and the STEM is Everywhere MOOC



ONLINE SURVEY ON TEACHING DURING THE COVID-19 PANDEMIC



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Scientix, with **Amgen Teach** and the **STEM Alliance**, launched a comprehensive, international survey on **teachers' practices and use of educational technologies during the COVID-19 pandemic**. The survey, which is addressed to teachers in primary and secondary education (students aged 3 to 19), is available in 24 languages and its results will be used to draft a Scientix Observatory paper.

The study aims to collect information on the educational

technologies teachers used in the weeks that followed the outbreak of the COVID-19 pandemic, the problems they encountered, the solution they adopted as well as the recommendations they may wish to share. The answers to this survey will help shape future actions to support teachers better.

Teachers can still participate in the survey by **31 October** directly on www.scientix.eu/covid19-survey.

The first **STEM MOOCs package** of **European Schoolnet Academy** consists of three unique MOOCs and allow teachers to obtain a special certificate from European Schoolnet Academy on their “Connecting STEM to the world all around us in an Integrated STEM expertise”.

The first training of the series, the **'STEM is Everywhere! Rerun'**, aimed at primary and secondary school teachers, and teacher trainers from Europe and beyond, helps

identify STEM in everyday life and learn how to integrate real-world STEM problems to their lessons and practice. This MOOC alone obtained staggering results registering **3,200 participants** and reaching over **38,000 students**.

The **Scientix / STE(A)M IT MOOCs** started on the **26 October** and will concentrate on the **Integrated STEM teaching** between STEM subjects themselves and also with non-STEM subjects.



Arete



Learning
Leadership
for Change



Amgen | Teach
Engaging Science Educators



Erasmus+

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> More information

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