The community for Science education in Europe

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Benvenuti / Bem Vindos

Teresita Gravina / Vitor M. N. Fernandes
An Engineer is someone who...

observes and wonders

shares their curiosity

explores the world around them

uses tools to solve problems

discovers and creates new things

Asks questions

constructs inventions

An Engineer is someone like you!
Scientix promotes and supports a Europe-wide collaboration among STEM (Science, Technology, Engineering and Maths) teachers, education researchers, policy makers and other STEM education professionals.
The website: The starting point to learn about Scientix

www.scientix.eu
Resource Repository: A lot of materials for STEM lessons
Resource Repository: Translation on demand

Translation on demand

Criteria
Only requests which fulfill the following criteria will be processed:

- User asking for translation must be registered on the Scientix website.
- The same translation is requested by 3 or more different users.

Priority is given to:

- Topics which are not yet translated, as against topics which already have materials in several languages;
- Languages in which fewer materials are available as against languages in which more materials are available.

Did you find an interesting learning resource in Scientix teaching materials? If it is not in your preferred language, you can request a translation via the 'translation on demand service'. The service is free of charge and available only through the Scientix website.

How does it work?
If the teaching material is eligible for the service, a “Request translation” line appears at the bottom of the page of the specific teaching material. Whether or not a resource is available for translation depends on this criteria:

1. It must be of direct use in class (only teaching materials and not reports or courses);
2. Its licence must allow modifications and derived works. More details can be found at http://creativecommons.org/licenses;
3. Authors or submitters of the resource will have to provide an editable version of the resource when filling in the upload form.

A user requests a translation by selecting the language into which he/she wants the specific material to be translated. This is done by clicking the language code under the “Request translation” line on the description page of the material.
Webinar: Be updated!

2016-2019 SCIENTIX WEBINARS

As in previous years, Scientix is organising a series of webinars on STEM education. Taking place during a 3 year period, these webinars are open to anybody interested in science teaching and learning.

The one hour-long webinar sessions are an ideal opportunity for Scientix community members to explore exciting STEM-related topics, such as 1:1 computing, language learning in the science classroom, STEM in lower grades, or online science simulations in Inquiry-Based Science Education (IBSE).

Each webinar is led by an expert in the particular field (Scientix Ambassadors or other guest experts). Participation is free, registration is required. Places are reserved on a first-come, first-served basis and attendees receive a certificate of attendance.

For further details and instructions, look out for the information on upcoming webinars.

5) Create learning quests.
- QR Codes
- Engaging
- Active learning
- Group work
- Add images video
- Link to websites

THE PERIODIC TABLE OF VIDEOS

Scan the QR Code to access the periodic table of videos.
**Webinar: How to apply**

Robert Scientix ha condiviso un link.

23 gennaio alle 12:33

NEW ONLINE SCIENTIX WEBINAR ANNOUNCED!

David Ballesteros and Nerea Casas present on 24 February the Maths Mystery Box and how gamification and playful activities can be used to support learning of mathematics subjects. Register now to save a seat at the Webinar as places are limited! Hundreds of teachers registered for the last webinar held by Scientix and their popularity is growing rapidly... Altro...

Event Detail - Scientix.

After registration, you will receive an email with instructions. NB: Places are limited and will be allocated on a first-come, first-served basis!

scientix.eu

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Registration to Scientix Webinar - "Math Mystery Box: Learning mathematics by playing" - 24/02/2017

The webinar will take place on the Scientix online meeting room. After registration, you will receive an email with instructions. Places are reserved on a first-come, first-served basis.

*Campo obbligatorio

Name *

Surname *

Country *

Email *

You are a: *

- [ ] Scientix Ambassador Reporter
- [ ] Scientix Ambassador Volunteer
- [ ] STEM Teacher
- [ ] Altro: [ ]
Moodle: Online courses on STEM topics
http://moodle.scientix.eu/
Moodle: Online courses on STEM topics

Rock Detective

Introduction

Course objective

This course aims to introduce teachers to the characteristics of rock recognition, and to propose activities that can be carried out with students of different ages. The purpose of this course is to give practical suggestions that could be used to organise hands-on activities in the classroom. At the end of each section there is a forum where you are invited to write your impressions, questions and other ideas.

Introduction
Moodle: Online courses on STEM topics
Esperimenti di chimica

Partenza

Qui di seguito troverete diversi esperimenti di chimica. Lo scopo è quello di usarli per iniziare qualcosa di nuovo (sulla base delle conoscenze pregresse degli studenti). Le classiche domande da porre e sulle quali lavorare sono presentate direttamente qui, ma occorre adattarle alla vostra classe. Potete farlo oralmente, preparare fogli per le risposte individuali o di gruppo, o far condurre l’esperimento agli studenti. Lo stesso esperimento può essere un punto di partenza per approfondire diversi concetti, e potete ripetere lo stesso esperimento diverse volte per aggiungere altre informazioni o nuovi aspetti.

Una procedura dettagliata per l’esperimento è disponibile su un documento separato.

Questi esperimenti sono adatti a studenti delle superiori.

I dettagli relativi alla sicurezza saranno sempre forniti, insieme ai simboli di sicurezza del prodotto (quando applicabile).
Elements of didactic innovation in neuroscience for high school (2)

March 3rd, 2017 by marinam

Image: Shutterstock/ VLADGRIN.jpeg

Elements about history of neuroelectrophysiology techniques. Electrophysiology embrace several different experimental techniques with the main goal to collect electrical signals from living organisms. Pioneer of the study of the bioelectricity has been Luigi Galvani who was the first to hypothesize that biological entities retain the ability to...

Posted in Uncategorized | No Comments »
How to keep in touch with Scientix

Scientix: the community for Science education in Europe | Teresita Gravina & Vitor M. N. Fernandes
12/7/2017 | HST2017
CERN, Geneve
Sign up: Newsletter or Digest

SIGN UP FOR OUR EMAIL UPDATES

Scientix Newsletter
The Scientix newsletter delivers original articles on innovation in STEM education policy, research and practice. It brings the latest news from science education projects and from the Scientix community, and follows the development of European and national policies and initiatives. Each issue focuses on selected topics in science education and highlights presents related materials and activities. The newsletter is only available in English.

Read the past issues of the newsletters.

Scientix Digest
Scientix Digest is a fortnightly newsletter sent to you by e-mail, providing an overview of the latest updates on the Scientix portal. It features projects and resources recently added to the Scientix portal, and informs about upcoming events in STEM and related fields.

The Digest is available in English, German, French, Italian, Spanish, Polish, Dutch and Romanian.

Read past editions of the Digest here.
Social media: How to meet STEM teachers all around the world

Science Teachers in Europe

@Scientix_eu

Scientix: the community for Science education in Europe | Teresita Gravina & Vitor M. N. Fernandes
12/7/2017 | HST2017
CERN, Geneve
MOOC: Another opportunity to be updated

“Opening minds to STEM careers”
MOOC for teachers
**MOOC: Massive Online Open Course**

Join us on this course about "Shared Leadership and School Development" for anyone interested in shaping a school's development.

**SPACE Awareness**

**OUR WONDERFUL UNIVERSE**

RELEASE ON 29 MAY 2017!

#spaceMOOC

This material was developed under the Space Awareness project funded by the European Commission Horizon 2020 Programme under the grant agreement no. 639953.
WORKSHOP DI PROGETTI SCIENTIFICI NEL FUTURE CLASSROOM LAB (SPW@FCL)

Il Future Classroom Lab (FCL), un progetto indipendente di European Schoolnet (EUN) con sede presso l’ufficio di EUN a Bruxelles in Belgio, offre una piattaforma dove i decisioni politiche possono ripensare le loro strategie TIC e dove insegnanti, dirigenti scolastici e consulenti TIC possono sperimentare approcci pedagogici innovativi in ambienti di apprendimento flessibili. Fornisce sia un ampio spazio riconfigurabile dotato di tecnologia d’avanguardia e una stanza progettata come un’aula interattiva per mostrare come in una classe tradizionale si possa usare la tecnologia per migliorare l’intervento e la partecipazione degli studenti.

Gli eventi scientifici nel FLC sono organizzati sotto il nome di “workshop dei progetti Future Classroom Lab”. Questo termine fu coniato durante la prima fase del progetto, organizzato da Scientix il primo workshop dei progetti scientifici nell’FCL. Questi eventi avvengono per aiutare gli insegnanti affinché utilizzino le tecnologie in classe assieme ai materiali e alle persone per incoraggiare la collaborazione tra i progetti scientifici.

Per gli insegnanti: Scientix copre i voli per/da Bruxelles e il pernottamento in hotel per 20 insegnanti e i pasti dalla cena di venerdì al pranzo di domenica per tutti. Il trasferimento dall’edificio e l’assicurazione per il viaggio sono a proprie spese.

Per i progetti: I progetti con finanziamenti pubblici (ancora in corso o già finiti), sono invitati a richiedere spazi nel programma per condurre un workshop nel Future Classroom Lab.

Sia gli insegnanti sia i progetti sono invitati a presentare domanda per i prossimi eventi.

UPCOMING WORKSHOPS


Scientix: the community for Science education in Europe | Teresita Gravina & Vitor M. N. Fernandes
12/7/2017 | HST2017
CERN, Geneve
Competition for Schools and Teachers

“All-STEM, All-stars” Competition!
Competition for Schools and Teachers

Get recognised by the community for science education! Join one of the three competition categories for the #STEMDiscoveryWeek

Two winners per competition are invited to a STEM education workshop in June 2017!
Next-Lab

Experience Inquiry Learning with Go-Lab

Enrich your class with exciting scientific experiments.
Teach your students inquiry methods with online labs and apps.
Conservation of momentum in particle collisions

by Eleftheria Tsourlidaki, Angelos Lazoudis

Age range: 14-16, 16-18, >18
Language: English
Level of difficulty: Advanced
Level of interaction: High
Average learning time: 2 didactic hours
Access rights: Creative Commons Attribution (CC BY)
Contact Person: tsourlidaki
Death, destruction and dinosaurs

Craters on Earth and Other Planets

Lab type: Virtual lab
Lab owner: European Space Agency (ESA)
Contact person: Fraser Lewis
Age range: 10-12, 12-14, 14-16, 16-18
Language: English, Czech, Danish, Dutch, Finnish, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Romanian, Spanish, Swedish
Level of difficulty: Medium
Level of interaction: High
Booking required: No
Preview: http://simulator.down2earth.eu/index.html

http://www.golabz.eu/lab/craters-earth-and-other-planets
Death, destruction and dinosaurs
Scientix in Numbers

Join #Scientix - the community for science education in Europe

http://www.scientix.eu

Since #Scientix was launched, by the EC in 2009, it has achieved a lot for STEM professionals in Europe. Over 7,000 science teachers use #Scientix to enhance their lessons and to connect with each other.

#Scientix adds value to STEM education

#Scientix organises workshops & training courses

#Scientix networking events bring STEM education projects together

Successful first conference held in Brussels in May 2011 and attended by 400 STEM professionals. Scientists discussed initiatives in science education in solving current societal problems, the EU’s Europe 2020 strategy, cross-border collaboration, school curricula, assessment, models, learning resource repositories and teacher training.

Collecting & making available vital information on more than 200 publicly funded science education projects.

Publishing more than 1,000 items of STEM teaching & learning materials.

Organizing more than 30 events for teachers, project managers & researchers.

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12/7/2017 | HST2017
CERN, Geneva