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The community for Science education in Europe

Scientix has received funding from the European Union's H2020 research and innovation programme – project Scientix 3 (Grant agreement N. 730009), coordinated by European Schoolnet (EUN). The content of the presentation is the sole responsibility of the presenter and it does not represent the opinion of the European Commission (EC) nor European Schoolnet (EUN) and neither the EC nor EUN are responsible for any use that might be made of information contained.

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Benvenuti / Bem Vindos

Teresita Gravina / Vitor M. N. Fernandes

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The community for science education in Europe

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vmnf@yahoo.com

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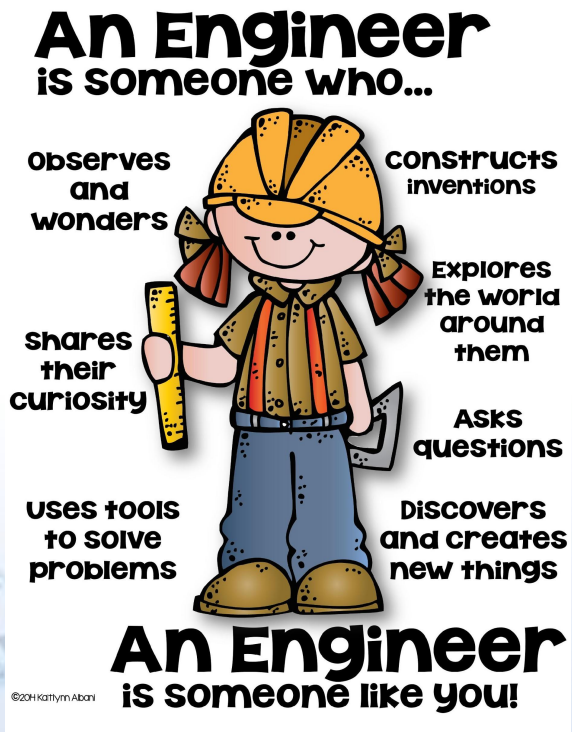
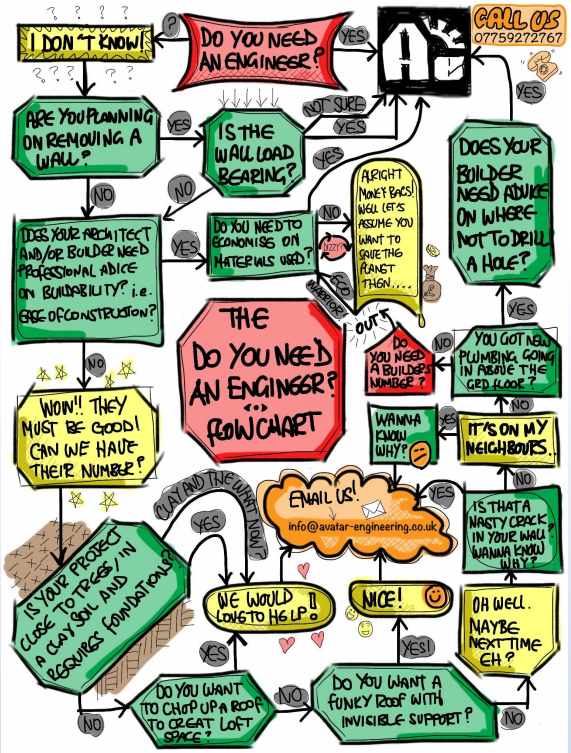
STEM citizen to be





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The community for science education in Europe

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.

European Schoolnet (EUN): Headquarters

European Schoolnet (EUN): Projects

SCIENTIX

The website: The starting point to learn about Scientix

www.scientix.eu

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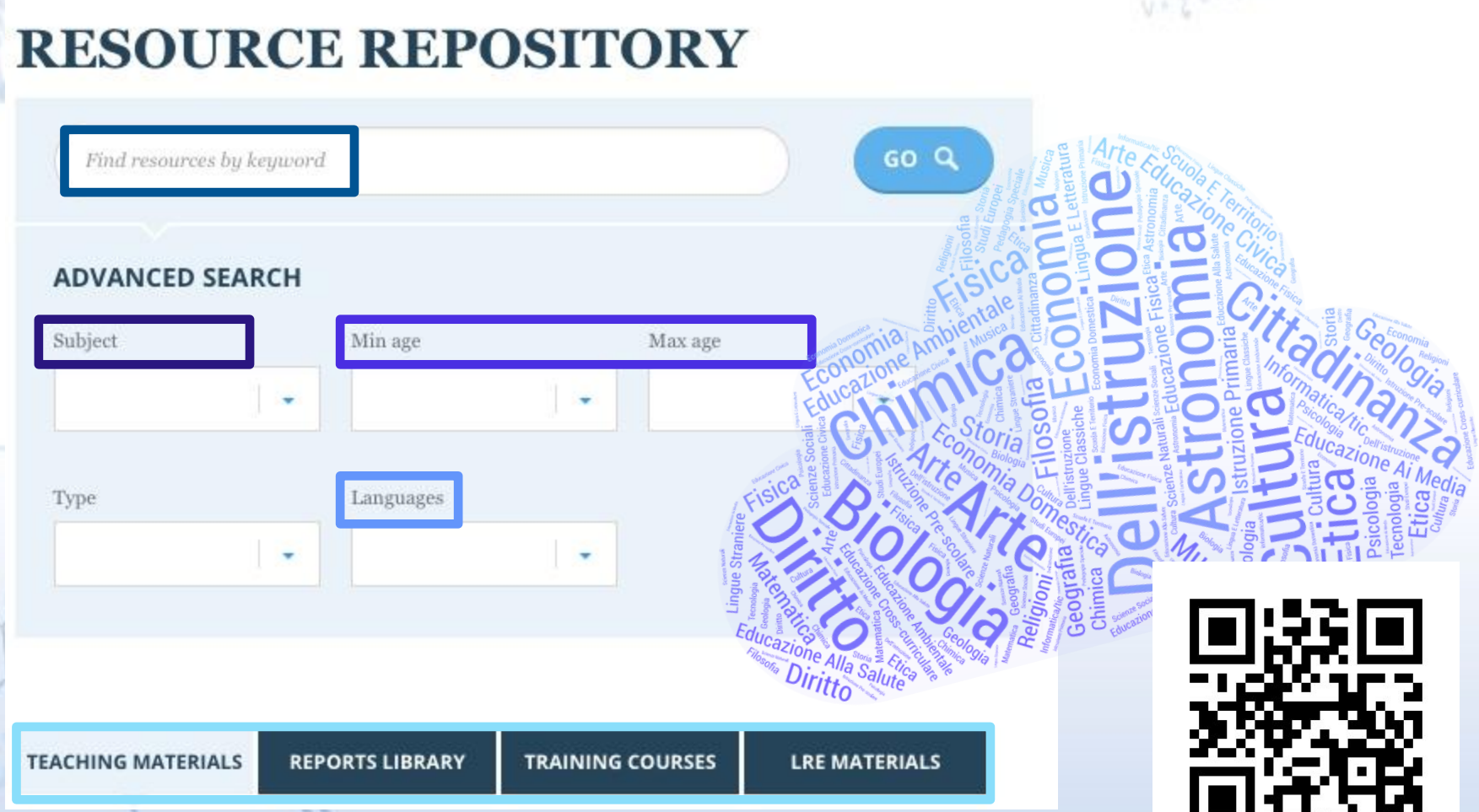
Resource Repository: A lot of materials for STEM lessons



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Resource Repository: Particle Physics

RESOURCE REPOSITORY

Particle Physics

GO

ADVANCED SEARCH

Subject

Type

Discover your talent: Molecule creator

Descriptor: chemistry

Copyright: *Age:* 12 - 14 *Project:* Xpl

Description: The learning resource "Discover your talent: . consists of two chapters. Chapter 1, "For Beginners", covers t and highlights the different properties of particles. Chapter 2 the particle model to clarify...

Add to favourites

Report a problem

DESCRIPTION GET THIS RESOURCE

Learning Station IV: Wave Particle Duality

Descriptor: economics engineering physics project method teacher education technology upper secondary school

Copyright: *Age:* > 16 *Project:* Quantum Spinoff

Description: This learning station investigates the double nature of light and matter and how both can manifest themselves in the form of particles and in the form of waves. These waves are associated with the electromagnetic field for light particles (photons) and with...

Add to favourites

Report a problem

DESCRIPTION GET THIS RESOURCE COMMENTS

UniSchooLabS: Particle Physics

Descriptor: physics

Copyright: *Age:* 12 - 17 *Project:* UniSchooLabS

Description: In this exercise students will learn about the different types of elementary particles and how they are detected by their orbits inside the Large Hadron Collider (Large Hadron Collider - LHC).

Add to favourites

Report a problem

DESCRIPTION GET THIS RESOURCE

Motion of a Charged Particle in a Uniform Electric Field

Descriptor: physics

Copyright: *Age:* 15 - 18 *Project:* Digital School

Description: A simulation for the study of the motion of a charged particle in a uniform electric field. It offers the possibility of multiple exploration, through the visualization of the motion and the alteration of various parameters.

Add to favourites

Report a problem

DESCRIPTION GET THIS RESOURCE

Resource Repository: Translation on demand

Home › Translation on demand

TRANSLATION ON DEMAND

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.

Criteria

Only requests which fulfil 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.

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Webinar: Be updated!

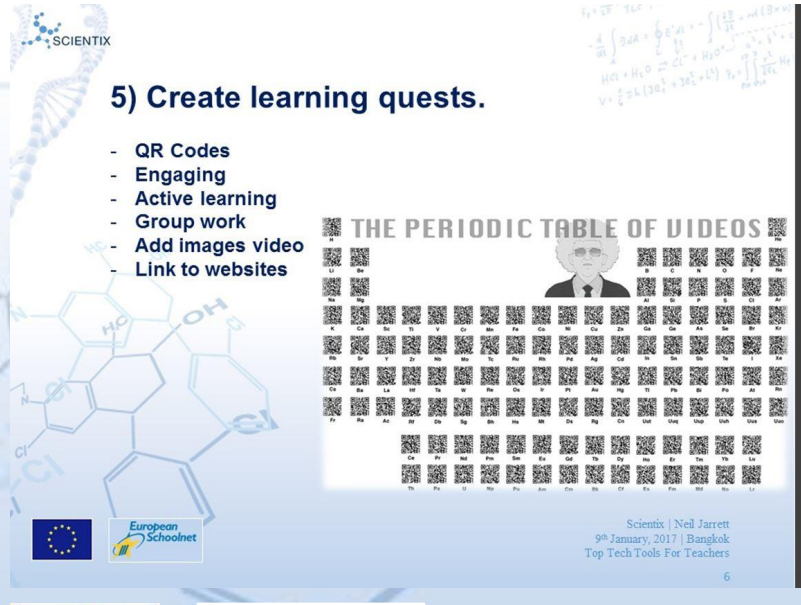
2016-2019 SCIENTIX WEBINARS

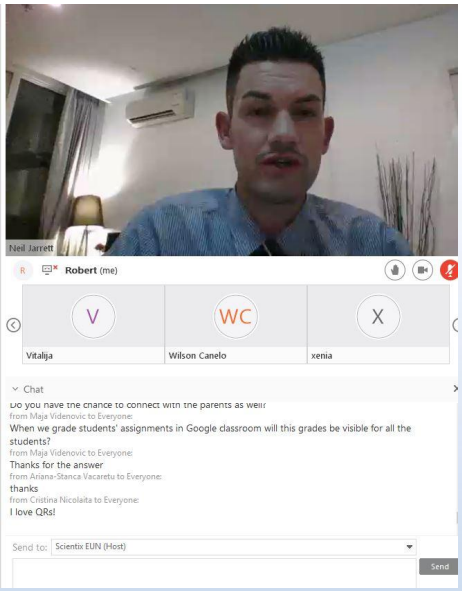
As in previous years, Scientix is organising a series of webinars on STEM education. **Taking place during a 3 year period, these webinars are open to anybody interested in science teaching and learning.**

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.





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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 rapidl... 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

37 36 condivisioni

Mi piace Condividi

Scientix @scientix_eu · 23/01/17
#Scientix Webinar on 24 February! Register now to learn more about #gamification in teaching and learning #maths scientix.eu/events/event-d...

18 19

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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:

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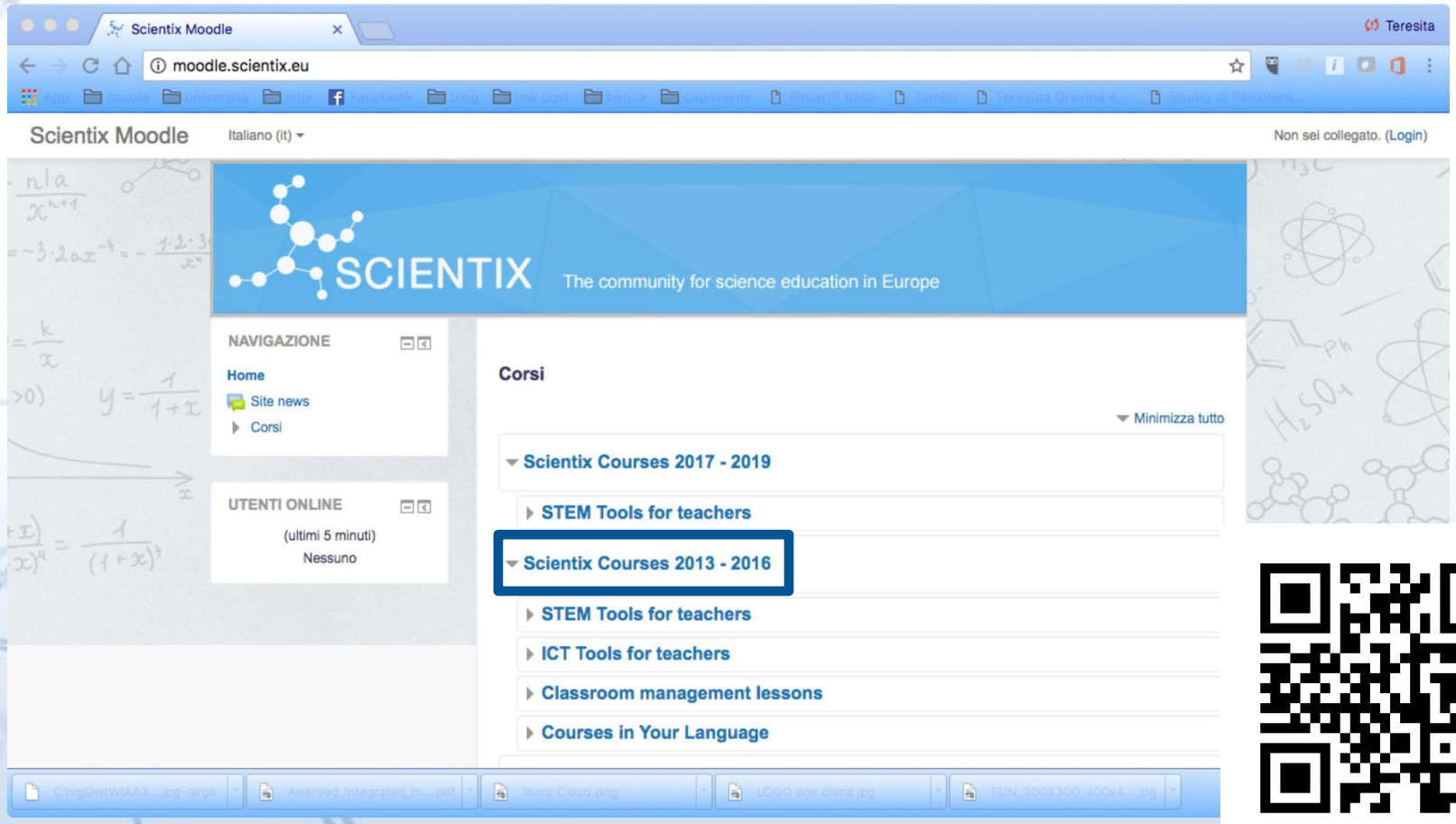
Moodle: Online courses on STEM topics

http://moodle.scientix.eu/



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Moodle: Online courses on STEM topics

THE AUTHOR

Teresita Gravina is a Scientix Ambassador for Italy and a Math & Science teacher to special needs pupils in middle school. She is involved in two associations promoting the role of science in society (AIRIcerca and ANISN) and is collaborating in the Amgen Teach project.

NAVIGAZIONE

- Home
- Pagine del sito
- Corso in uso
  - SATC6
    - Partecipanti
    - Introduction
    - Shine like a diamond
    - Let's rock
    - Other useful activities
    - Done?
- Corsi

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

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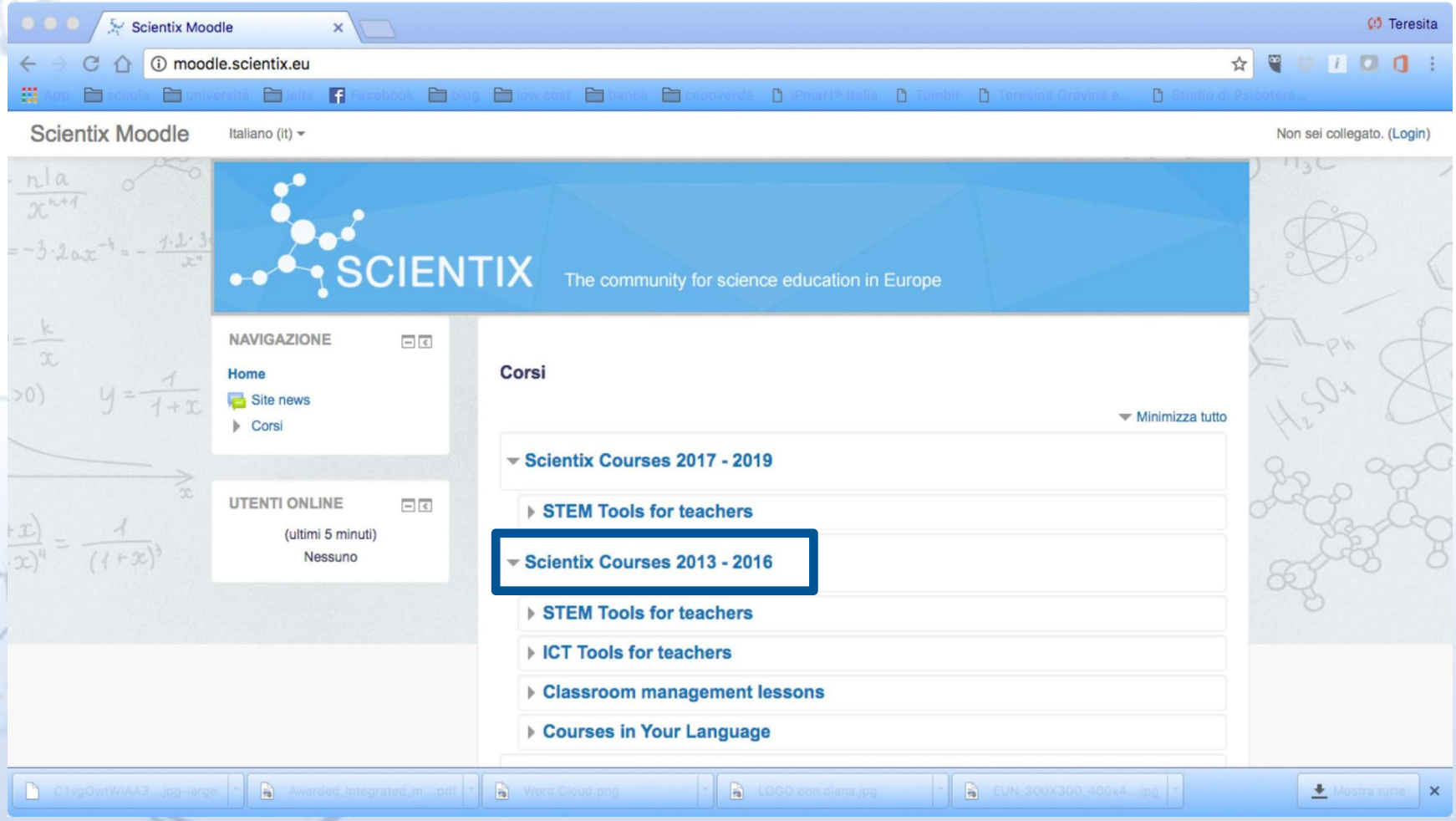
Moodle: Online courses on STEM topics



Moodle: Online courses on STEM topics

Scientix Moodle Italiano (it) Teresita Gravina

Esperimenti di chimica Partenza

Home ▸ Corsi ▸ Scientix Courses 2013 - 2016 ▸ Courses in Your Language ▸ italiano (it) ▸ STEM Tools for teachers ▸ Chemistry [it]

L'AUTORE

Jerome Thevenaz, vice ambasciatore Scientix per la Svizzera e insegnante al College Rousseau di Ginevra, è autore di questo Moodle. Filep Otilia, vice ambasciatore Scientix per l'Ungheria e insegnante di chimica alla scuola primaria di Megyaszó, ha contribuito alla traduzione di questo corso in 23 lingue europee. Otilia voleva aiutare gli insegnanti di tutta Europa a usare questo corso nella propria lingua e pensa che questo tipo di attività possa avvicinare gli insegnanti europei.

AMMINISTRAZIONE

Amministrazione del corso

Iscrivimi in questo corso

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).

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Blog: News from STEM world

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Go to scientix website

Scientix Blog

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 »

WELCOME TO THE SCIENTIX BLOG

Through this blog, people connected to Scientix (EUN colleagues, Scientix Ambassadors and Deputy Ambassadors, Scientix friends) will publish personal stories on science education in Europe.

The opinions in the articles are the sole responsibility of the corresponding authors and they do not represent the opinion of the European Commission, European Schoolnet (EUN) nor Scientix, and neither the

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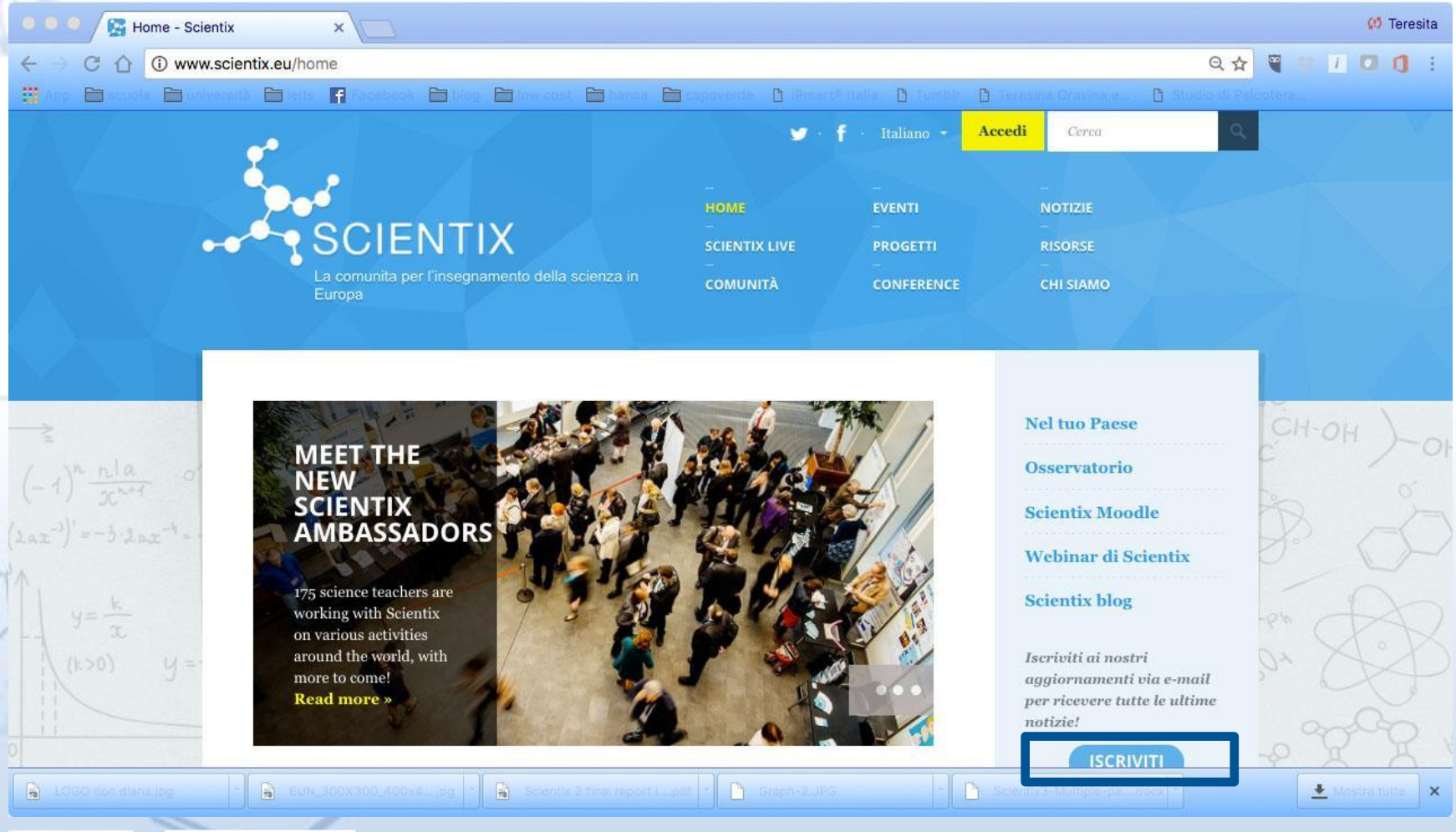
How to keep in touch with Scientix



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Sign up: Newsletter or Digest

SIGN UP FOR OUR EMAIL UPDATES

SCIENTIX NEWSLETTER

The Scientix quarterly 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.

SIGN UP

SCIENTIX DIGEST

Scientix Digest is a fortnightly news bulletin 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.

SIGN UP

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Social media: How to meet STEM teachers all around the world

Science Teachers in Europe

@Scientix_eu

European Schoolnet

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MOOC: Another opportunity to be updated

MOOC: Massive Online Open Course

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Workshop on the Future Classroom Lab

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 decisori politici 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'interazione e la partecipazione degli studenti.

Gli eventi scientifici nel FLC sono organizzati sotto il nome di "**workshop dei pro**
Future Classroom Lab ". Questo termine fu coniato durante la prima fase del pr
organizzato da Scientix il primo workshop dei progetti scientifici nell'FCL. Questi e
gli insegnanti affinché utilizzino le tecnologie in classe assieme ai materiali e alle pe
incoraggiare la collaborazione tra i progetti scientifici.

Per gli insegnanti: Scientix copre i voli per/da Bruxelles e il pernottamento in ho
20 insegnanti e i pasti dalla cena di venerdì al pranzo di domenica per tutti. Il trasfe
dall'aeroporto 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 Futu

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

UPCOMING WORKSHOPS

- **23 - 25 June, 2017: 15th Science Projects Workshop at the Future Cla**

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Competition for Schools and Teachers

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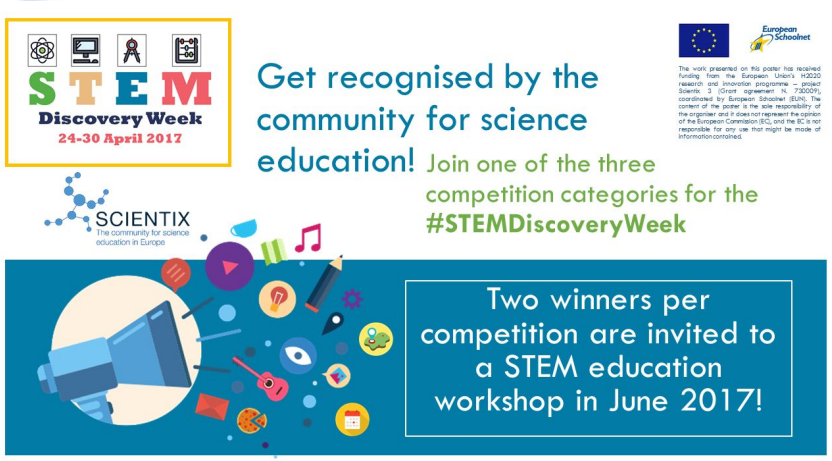
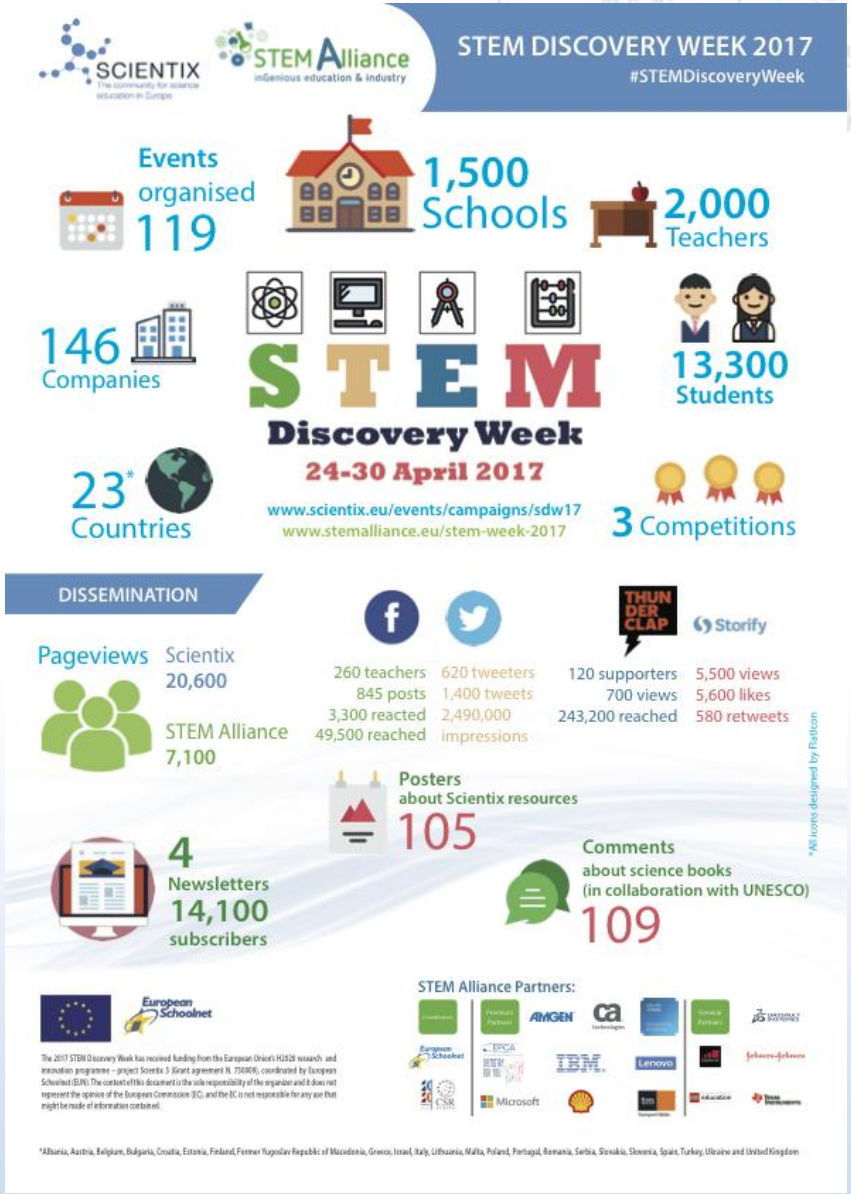
Competition for Schools and Teachers





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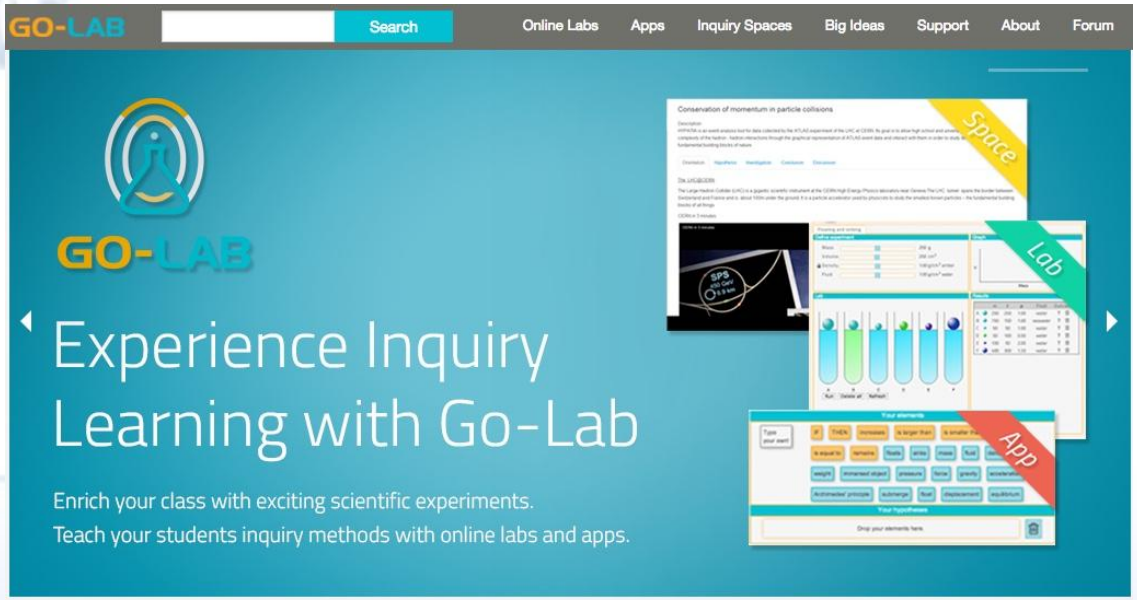
Next-Lab



next lab

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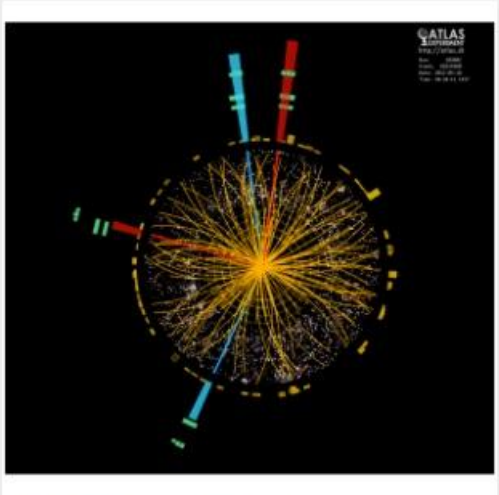
Next-Lab

GO-LAB | Search | Online Labs | Apps | Inquiry Spaces | Big Ideas | Support | About | Forum

Conservation of momentum in particle colisions

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

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Death, destruction and dinosaurs

GO-LAB Search Online Labs Apps Inquiry Spaces Big Ideas Support About Forum

Craters on Earth and Other Planets

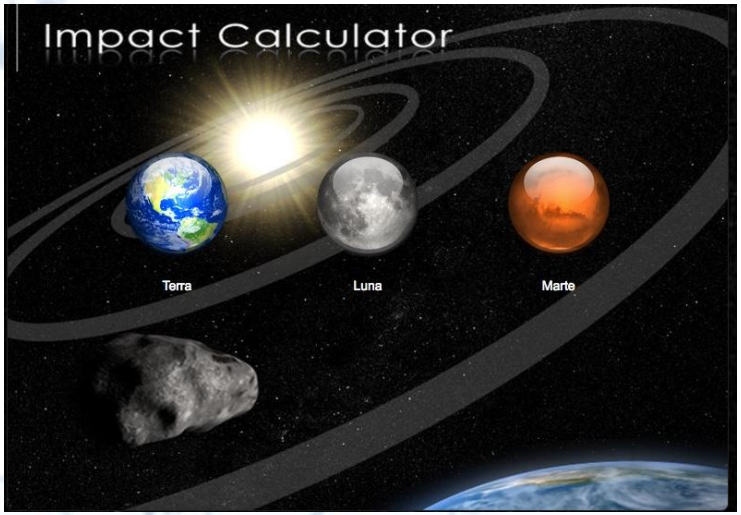
Go-lab approved

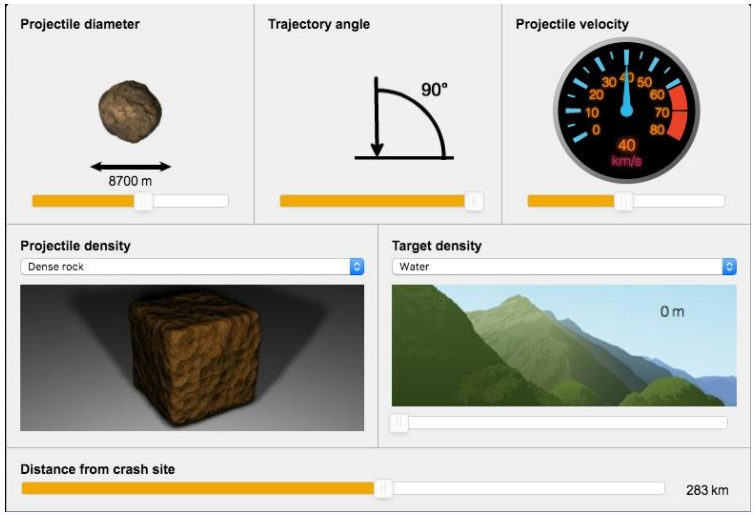
Lab type: Virtual lab
Lab owner: European Space Agency (ESA)
Contact person: Fraser Lewis
Age range: 10-12, 12-14, 14-16, 16-18
Language:
English, Czech, Danish, Dutch, Finnish, French, German, Greek, Italian, Norwegian, Polish, Portuguese, Romanian, Spanish, Swedish
Level of difficulty: Medium
Level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

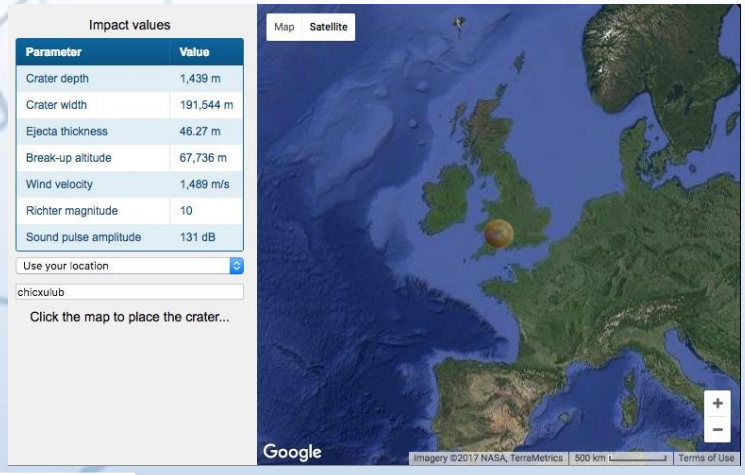
Like 1 Tweet G+1 0

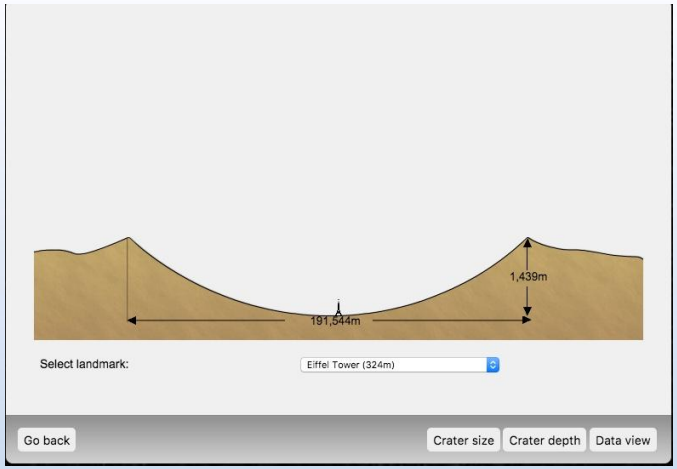
http://www.golabz.eu/lab/craters-earth-and-other-planets

Death, destruction and dinosaurs









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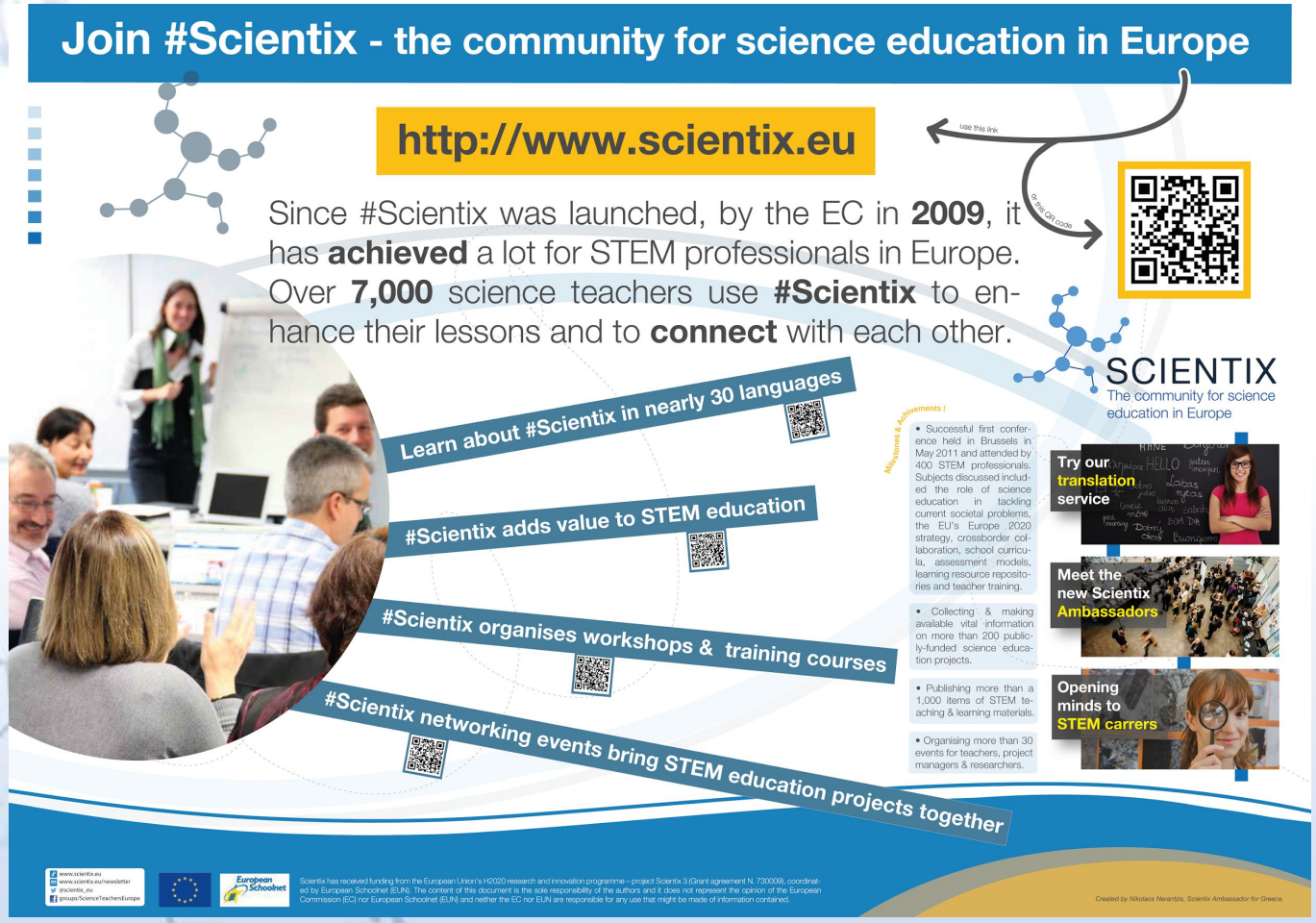
Scientix in Numbers



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Innovation in Education

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http://scientix.eu

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