Welcome to the Xplora newsletter!

This Xplora newsletter is dedicated to U4energy, the European school challenge on energy education. U4energy provides teachers and schools ideas and materials how to promote energy awareness in classrooms and improve the energy education. Besides U4energy, Xplora brings you various other science education projects, resources and events.

Would you like to be featured in our newsletter or send us a contribution? Contact: johanna.snellman@eun.org

Johanna Snellman
Xplora Web Editor

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XPLORA AT A GLANCE

Call for contributions to the next newsletter
We would like to invite you to send us your contributions for the next issue of the newsletter! Send short references with a link to additional information on news, events, awards, best practices, etc. relating to maths, science, technology and environment education.
Please send your contributions to johanna.snellman@eun.org by 15 December 2010.

LIBRARY

U4energy resources help teachers to address energy efficiency
Whether you are searching for an icebreaker, a fun experiment, or an interactive lesson plan about energy efficiency, U4energy offers a comprehensive dynamic resource repository, which will continue to expand over time. These resources provide a realm of educational material that can help teachers address energy efficiency in the classroom.
http://www.u4energy.eu/web/guest/resources

Check out the SSERC-resources on energy and sustainability
The Scottish Schools Equipment Research Centre (SSERC) offers on its website various online resources for teachers on different science subjects, including energy efficiency, renewable energy and sustainability.
http://www.science3-18.org/

Wilderness Challenge: What do you know about Antarctica?
Take the Wilderness Challenge quiz and learn more about the flora and fauna in Antarctica. See if you can make it to the South Pole!
http://www.discoveringantarctica.org.uk/multimedia/flash/1_wilderness.html

Learning by playing: the evolution game
In this simulation game the players can take the role of a predator and learn about the evolution and the natural selection.

Search for other science resources at:

Visit the Xplora science education library at:
PRACTICE

Join the U4energy competition
U4energy is the only pan-European competition on energy education. Compete with schools from all over Europe and share your results beyond national boundaries. Enter one or several of the three competition categories. The gallery of entries will feature unrivalled examples of excellent practice in energy efficiency, all of which you can contribute to!

Discover more about energy efficiency
Energy efficiency is a wide and broad topic that encompasses many different aspects. Each month, U4energy will focus on a specific angle by producing an article to address the topic's main issues.
http://www.u4energy.eu

ABOUT XPLORA PARTNERS

Xplore Health: A new portal to explore current health research
Xplore Health launches its new interactive web portal with teaching resources and multimedia tools to bring current health research closer to young people.

Join the Scientix teachers’ team
Scientix is now looking for maths and science teachers from the United Kingdom, the Netherlands, Cyprus, Luxembourg, Estonia, Latvia and Germany to join its teachers’ panel.

EUROPEAN SCIENCE EDUCATION PROJECTS

Register now for the latest ITEMS Teacher Training Course on climate change
In November 2010 ITEMS (Improving Teacher Education in Maths and Science) is organising an online training course for teachers entitled “Climate change and sustainability”. This course will present teaching/learning materials for use in classes on issues surrounding climate change and sustainability with students aged 12-16. These materials have been developed using Moodle and participants can re-use the ready-made courses in their own teaching.
http://www.xplora.org/ww/en/pub/xplora/events/calendar/items_climate_change.htm

AWARDS AND NEWS

Apply now for the 2011 International Millennium Youth Camp
The application process for the 2011 International Millennium Youth Camp (MY Camp) has now started. The objective of the MY Camp is to find young people who are interested in mathematics, science and technology, and help them to start a career in these fields.
**Giving girls a green light for science & technology**
The Greenlight for Girls is a new initiative with the mission to encourage young girls to consider a future in math, science, engineering and technology by introducing them to the world of science in fun and exciting ways.
http://www.greenlightforgirls.org/

**Mission X: Train Like an Astronaut**
Mission X: Train Like an Astronaut is an international educational challenge to be launched in January 2011 focusing on fitness and nutrition as it encourages students to "train like an astronaut." Students will learn principles of healthy eating and exercise, and get excited about the world's future in space and the educational possibilities for their own future.
http://www.trainlikeanastronaut.org/en

**Take part in the CPAN competition on scientific outreach**
The Spanish National Centre of Particle, Astroparticle and Nuclear Physics (Centro Nacional de Física de Partículas, Astropartículas y Nuclear - CPAN) has opened its first competition on scientific outreach. The competition aims to stimulate the production of informative material aimed at the general public, as well as high school and university students, on the principles and the scientific and technological advances made in the areas covered by the CPAN (particle, astroparticle and nuclear physics).
http://www.i-cpan.es/

**Become Teachtoday Teacher of the Month and win €400**
On the occasion of the Insafe network's Back2school campaign on 8 September 2010, Teachtoday launched a Teacher of the Month competition that will run to 15 January 2011.

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**EVENTS**

**ICERI2010: INTERNATIONAL CONFERENCE OF EDUCATION, RESEARCH AND INNOVATION**
15-17 November 2010
Madrid, Spain

This annual event brings together professionals in the field of Education, Research, Innovation and New Learning Technologies. It is an excellent opportunity to share your experiences and projects with educators and professionals from all around the world.
http://www.iceri2010.org

**GREENLIGHT FOR GIRLS “SCIENCE DAY”**
20 November 2010
Brussels, Belgium

The Greenlight for Girls “Science Day” aims to get girls interested in science and technology through interactive workshops on subjects ranging from digital music to DNA research. The workshops are led by outstanding women in their fields.
2WAYS FINAL EVENTS
30 November - 1 December 2010
Brussels, Belgium

The 2WAYS final events consist of the first Young Europeans Science Parliament, where representative pupils from 29 cities and 17 countries will discuss hot and controversial issues in the life sciences; and of show of presentations, where visitors can learn about and discuss the most recent findings of European research in the fields of the life sciences. In the Final Ceremony the results of the 2WAYS - Communicating Life Science Research will be presented.
http://www.twoways.eu

CINEMASCIENCE
30 November – 5 December 2010
Bordeaux, France

Using film as a tool to popularise science, the CinemaScience film festival will present comedies, dramas, thrillers and science fiction films, but also lectures and science documentaries about topics ranging from space exploration to genetics, sociology or mathematics. Each screening is followed by a discussion between the public, members of the cast and crew and scientists.
http://www.cnrs.fr/cinemascience

ONLINE EDUCA BERLIN 2010
1-3 December 2010
Berlin, Germany

ONLINE EDUCA BERLIN is the largest global e-learning conference for the corporate and public service sectors in education and training. The annual event offers a forum for e-learning experts, experienced users, as well as newcomers to the field from all over the world to exchange ideas and make contacts.
http://www.online-educa.com

ECSITE DIRECTORS’ FORUM 2010
2-4 December 2010
London, UK

Faced with an ever-changing society and economy, how do science centres and museums adapt to the challenges that these changes bring? This year’s Ecsite Directors’ Forum will look at these questions on 2-4 December 2010 at the Natural History Museum in London.
http://www.ecsite.eu/?cat=29

SCIENCE FESTIVAL BELGRADE
3-5 December 2010
Belgrade, Serbia

The Science Festival Belgrade, organised this year for the fourth time, aims to show the youth of Belgrade and Serbia that science is an inseparable part of everyday life, and to provide an inspiring, refreshing and clear insight into all areas of science.
INTERNATIONAL YEAR OF CHEMISTRY 2011 (IYC): OFFICIAL LAUNCHING CEREMONY
27-28 January 2011
Paris, France

This two-day ceremony will feature eminent scientists and personalities from around the world. Global trends and perspectives will be debated, staging chemistry as one of the fundamental sciences.
http://www.chemistry2011.org

EU SUSTAINABLE ENERGY WEEK 2011
11-15 April 2011
Europe-wide

EU Sustainable Energy Week (EUSEW) is Europe's key event for a more sustainable energy future. Between 11 and 15 April 2011 hundreds of events organised in all parts of Europe will showcase, promote, discuss and celebrate energy efficiency and renewable energy.
http://www.sustenergy.org/

SCIENTIX EUROPEAN CONFERENCE
6-8 May 2011
Brussels, Belgium

Scientix, the web-based community for science education in Europe, is growing and growing! Don’t miss your chance to learn more about the main actors of the project, meeting other members, sharing experiences, and contribute in improving the science education in Europe during the first Scientix Conference. The number of participants will be limited, so book your place well in advance! The registration will be open soon, so check out the Scientix website for further information.
http://www.scientix.eu

SCIENCE ON STAGE FESTIVAL
16-19 April 2011
Copenhagen, Denmark

Science on Stage brings together science teachers from across Europe to share best practice in science teaching.
http://www.science-on-stage.eu/?p=3

2011 MILLENNIUM YOUTH CAMP
11-17 June 2011
Finland

Young people play a key role in finding solutions to the global challenges of the future. The objective of the International Millennium Youth Camp (MY Camp) is to find young people who are interested in mathematics, science and technology, and help them to start a career in these fields.

EUROPEAN SPACE CAMP 2011
26 June – 4 July 2011
Andenes, Norway
The Norwegian Association of Young scientists invites young people (aged 17 to 21) interested in space and science and with a background in physics and mathematics to apply for the European Space Camp. The registration is open from 15 January to 15 April 2011, and the participation is free of charge.

http://www.spacecamp.no