














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Examples



Teachers, teacher trainers and other educators explain their pedagogical projects, approaches and methodologies. They can be applied at primary and secondary level schools.

Inquiry-to-Insight: A new way to teach Environmental Sciences - 11 May 2010 -

The Inquiry-to-Insight (I2I) project aims to promote environmental science education through digital tools. During the project I2I students from Europe collaborate with American students via social networking and other collaborative internet technologies to investigate and envision...

[Read more](#)**Cooperation between Science and Language classes** - 10 March 2009 -

English and Chemistry teachers from Zespół Szkół Integracyjnych no 1 - PG no 17 in Białystok, Poland, have used the multilingual Xperimania (www.xperimania.net) chats to combine teaching their subjects. Bringing language teaching...

[Read more](#)**Investigative work using unusual paper planes** - 03 November 2008 -

Dan Hannard, a Physics teacher at Woodkirk High Specialist Science School in UK, shares with us one of his favorite lessons plans on how to make an unusual paper plane and what the students can learn with it.

[Read more](#)**Variations of historical experiments** - 26 June 2008 -

Elena Kyriaki is a high school Physics teacher from Belgium. In the article below she tells us about her experiences in a Comenius III project "Hands on Science", where teachers reproduced historical experiments in the school laboratory.

[Read more](#)**Some tips for young Science teachers** - 18 March 2008 -

Elena Kyriaki, Physics teacher from Belgium, gives in the article below some advices for young Science teachers to work with the potential scientists of the future.

[Read more](#)**Electromagnets using James Bond as a starting point - Lesson plan** - 18 March 2008 -

Daniel Hannard teaches physics at Woodkirk High Specialist Science School in UK. Below he shares with us one of his favourite lesson plans: Electromagnets using James Bond as a starting point.

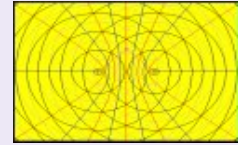
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Interference of two Circular or Spherical Waves - a Lesson Plan - 29 January 2007 -

Eleni Kyriaki teaches Science and ICT in Belgium. In the article below, she shares with you a lesson plan entitled: "Interference of two Circular or Spherical Waves". It is intended to be a useful source of information and inspiration for a target group of secondary level...

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Using algorithm visualization to facilitate the teaching of algorithms - 12 May 2009 -

Stavros Nikou is one of the members of the Xplora teachers group. He teaches both Computer Science in secondary public schools and programming, databases, internet and multimedia in vocational schools. His article gives us an insight into the benefits of the algorithm visualization...

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Trigonometry: sextant and GeoGebra - 12 May 2009 -

Benito Bua Ares is one of our Xplora teachers. He teaches mathematics in a secondary school in Galicia, Spain and in this article he tells us more about angles and trigonometry. He also presents some projects which have been carried out by his students using open source softwares.

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Skype...even for children - 24 May 2006 -

Linda Giannini, one of the Xplora teachers, is a nursery school teacher and an educational researcher. In this article she tells us more about her experience in using Skype with children at the nursery school in Latina.

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Crop circles Challenge: playing with maths as a game - 11 April 2006 -

Everyone knows, maths has always been trial and delight for students. There are those who fall in love with it and maths becomes even their work and those who cannot put up with it like a heavy food. Palmira Ronchi, one of the Xplora teachers, and her student Angelarita de Marzo,...

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Between progress and pollution - 25 April 2006 -

Lidia Minza, one of the Xplora teachers, teaches Chemistry in Romania at the "Vasile Alecsandri" High School, Galatzi. She tells us about an activity, carried out in her chemistry class with pupils aged 16-17 years.

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WorldWideMaps – Connecting minds - 12 May 2009 -

Alfredo Tifi and Antonietta Lombardi, teachers and trainers in concept mapping, introduce us to [WWMAPS](#), an open community, especially addressed to teachers who are interested to feature concept mapping in their pedagogy.

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Teacher-Scientist Partnerships for Global Change Education - 17 March 2006 -

CarboSchools is an initiative which promotes partnerships between global change scientists, secondary school teachers and their students in order to raise young people's awareness on the local and global consequences of climate change, to encourage them to discover the scientific...

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How to build a statistical model - 03 October 2006 -

Carlo Nati and Linda Giannini, teachers trainers, introduce us to some operative samples of statistical models, using an Open Source software.

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Earth in Space: astronomy activities - 25 April 2006 -

Young students are very interested in astronomical matters, but sometimes it's difficult for them to grasp the essential ideas. To improve this situation some teaching activities have been developed within the [ISSUE project](#)..

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The Linnaean way to identify and learn about biology - 31 January 2006 -

Carl Linnaeus or Carl von Linné, often called the "Father of Taxonomy" was in the second decade of the 18th century a pupil of Växjö Gymnasium, in Sweden. His system of classification and naming of biological organisms, such as animals and plants in groups, according...

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Historic Experiments on Internet for the Secondary Educational Level - 21 October 2005 -

What are the Historic Experiments?

All experiments have been introduced in the past by scientists who tried to test a hypothesis. Some of them contributed to the establishment of revolutionary theories; in this way they have influenced the evolution of ideas in science...

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Free Upgrade South Tyrol's Schools - 25 April 2006 -

Emanuela Atz is an English teacher, from Salorno/Bolzano- South Tyrol - Italy. She tells more about a project with Italian schools in the province of Bolzano which switched from Windows to Linux in 2005.

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Science Center at school - 13 December 2005 -

Science Center at School is a project of the NCWT Foundation, the umbrella organisation of the NEMO Science Center in Amsterdam, Holland. Commissioned by NEMO, in two exhibits primary school pupils prepare for their own science center at school.

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Scientist Factory - We hatch the scientists of the future! - 13 December 2005 -

The Scientist Factory - "Forskerfabrikken", is an important contribution in Norway to inspire

children's interest in science.
Hanne S. Finstad, founder and director of this non-profit organization tells us something more about this experience.
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Enhancing Local Water Quality Studies with Geographical Information Systems - 12 May 2009 -

Tino Johansson, from the Department of Geography at the University of Helsinki, Finland is the project manager of GISAS project (Geographical Information Systems Applications for Schools). He briefly explains the aims, activities and outputs of the project which involves many European...
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Teaching in Practice: Biological Treatment of Polluted Water - 12 May 2009 -

Carmen Bucovala is a teacher of biology from the Ovidius High School in Constanta, Romania. She came up with a nature-inspired outdoor project and resource for secondary level students of science and biology. Carmen and her pupils put in place a real life water treatment project...
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Kids and virtual worlds - 18 July 2005 -

Linda Giannini, a teacher, educational researcher and scholar, explains her work with 3-5 year old children, using virtual worlds. The work as it involves children interacting in tri-dimensional chatspaces with adults, who are willing to "virtually" create – with 3D constructions...
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First steps into cybernetics - robots and bricks - 02 November 2006 -

Linda Giannini and Carlo Nati, two education researchers have worked on this peer to peer learning project, involving 3-5 year old kindergarten pupils; 14-16 year old pupils and trainee teachers. It shows how microrobotics and practices of constructionism can be integrated into a...
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