



Social Networks & Intergenerational Learning Conference

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UNESCO Amphitheatre, University of Nicosia

Technology tool for educators

**E-INSTRUMENTS TO FACILITATE POSITIVE CHANGES IN LEARNING AND
TEACHING**

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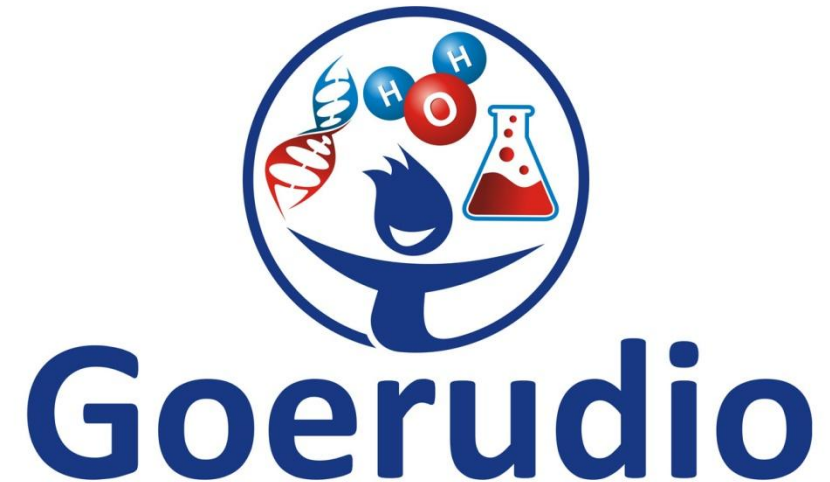
Three challenges facing the European educational systems, as suggested by three projects funded by the EU Commission

1. Lack of students' interest in studying science

Goerudio Project

Project Number: 543223-LLP-1-2013-1-LV-KA4-
KA4MP

a Lifelong Learning Programme -KA4 Dissemination
and Exploitation of Results and Exchange of Good
Practice



Three challenges facing the European educational systems, as suggested by three projects funded by the EU Commission

2. Fostering collaboration between education and the labour market

School&Work Project

Project Number: 2014-1-IT02-KA201-003985



an Erasmus+ Programme, KA2 Strategic Partnership

Three challenges facing the European educational systems, as suggested by three projects funded by the EU Commission

3. Social inclusion and equal opportunities through increased participation in and equal access to sports in schools

Not Only Fair Play Project

Project Number: 557089 EPP1-2014-IT-SPO-SCP

an Erasmus+ Programme, KA2 Strategic Partnership



The main objectives of the e-instruments created by the projects

- 1). facilitate learning and teaching by promoting collaboration among teachers and students, who share, match and stimulate their everyday experiences in dealing with the teaching and learning of scientific issues (**Goerudio project**);
- 2). facilitate students' entrance in the labor market (**School&Work project**) and
- 3). raise teachers', students' and parents' awareness of the importance of sport at school through a better integration of physical education into the school curricula (**Not only Fair play project**).

CONTEXT

- Because 'Europe's future depends largely on its young people', the Europe 2020 strategy aims 'to support young people better and to enable them to fully develop their talents to their own as well as to their economy's and society's benefit'.
- However, the number of students who drop school or are not interested in learning is increasing. European educational systems face challenges that only joint efforts across Europe, such as European projects, can solve.
- Projects such as ***Goerudio, School&Work and Not only Fair play*** have built strong learning communities made up of dedicated teachers and students who have created valuable online materials meant to bring about positive changes in learning and teaching.

THE GOERUDIO PROJECT



- The Goerudio project has analysed challenges that European educational systems face in terms of learning and teaching science. Although our society is increasingly dependent on scientific and technological knowledge, skills and devices, students are not motivated and interested in science, while school teachers are unable to find innovative teaching methods.
- To this end a learning community of science teachers and students has been created across Europe. They have discussed problems and obstacles and shared, uploaded and commented upon knowledge from their experiences or European project initiatives on the project platform.
- Science teachers across Europe have tried to raise students' interest and stimulate their motivation in studying science by sharing and exploiting their most effective experiences



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Goerudio



Also available in:

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SK

EN



Homepage

Experiences

Relevant initiatives

Educational Products

Discussion Area

Seminars

Partnership

Schools

Events

Testimonials

Press Release

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European educational systems are facing two common challenges:

- secondary and vocational education students experience a lack of motivation when studying scientific related topics
- school teachers are required to find innovative teaching methods in order to promote the interest of their students toward scientific issues

In this context the European Commission has financed the "Goerudio" project in the framework of the [Lifelong Learning Programme](#) (KA4 Dissemination and Exploitation of Results, and Exchange of Good Practice).

The Goerudio Portal provides access to:

- Science [Teachers' experiences](#)
- Science [Students' experiences](#)
- Reviews of [relevant initiatives](#) in the field of science teaching
- [Educational products](#) designed by the teachers involved in the project in cooperation with their students

Join the
Project!

▶ LOGIN

Last Educational Products
Comments

**Viera Kolbaska -
Slovakia**

Resource presents the way how to demonstrate symmetry of plane and spatial bodies. It starts with the discussion on topic "What we can see and what

New comment on the
Initiatives "Symmetry"

News

Third Partners' Meeting

The Goerudio Models



- Goerudio models are based on analogies between two items from different fields. Goerudio models can be useful for teaching and learning when abstract scientific concepts are first introduced to students.
- Students are asked to find similarities between the scientific concept and a more familiar information with a view to integrating new information in their previous knowledge base. The analogy relies on explaining and thus making less familiar information accessible through common experiences (e.g. classes of the periodic table to human families/ electric current to the way water flows/ a chemical equation to a recipe/ inertia to everyday routine).
- Students get familiar with the newly introduced concepts in student-centered and inquiry-based experiences. The new knowledge is explored from different angles as students get actively engaged in finding explanations and applying the newly learned material to new situations related to their own experience.

THE SCHOOLS&WORK PROJECT



- the Schools&Work project aim to equip school teachers and advisors, mentors and counsellors with the skills and tools which will enable them to better understand pupils' individual attitudes, interests and potential skills they need in their future career and help them valorise individual attitudes as a means to motivate students and raise their self-esteem.
- The project has identified and promoted the importance of specific professional and sectorial skills and competences that companies and the job market take into consideration when recruiting their staff.

<http://schoolandwork.pixel-online.org>

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username



Home



Tests



Skills
& Jobs



Video
Gallery



Training



Information &
Contacts



Project
Management



Welcome to

School&Work Project

School&Work is a project funded by the [European Commission](#) with the aim of promoting synergies between school education and the labour market.

**Join
the project!**



Aptitude and Skills Tests



Online Tests

These tests have been designed to unveil students' abilities and inclinations.

Database of Aptitudes Tests

Skills and Jobs

Job Profiles

The most researched job profiles have been identified in 6 countries.

Skills



E-Tool-kit for Counsellors and Teachers



- The e-learning package is a course addressing teachers dealing with students at risk of early school leaving. Teachers are provided with useful tips and strategies on how to motivate students to continue and complete their education at school.
- The tool-kit includes valuable information on the transversal competences (literacy, ICT, numeracy, communication, entrepreneurial spirit, learning to learn, cultural awareness) that companies and recruiting services take into account to select staff resources.
- The kit helps teachers analyse and highlight students' aptitudes, interests and skills in order to identify students' most appropriate professional career and to motivate them to complete school.
- The kit helps students envisage what the necessary steps are in order to have the job which matches their aptitudes, interests and skills.

THE NOT ONLY FAIR PLAY PROJECT



- The Not Only Fair Play project community made up of teachers and students across Europe have dealt with cross-border threats to the integrity of sport, such as doping, match fixing and violence, as well as different types of intolerance and discrimination; the community has also promoted and supported “good governance in sport and dual careers of athletes as well as voluntary activities in sport, together with social inclusion, equal opportunities and awareness of the importance of health-enhancing physical activity, through increased participation in, and equal access to sport for all”.
- The community holds that the relation between the education sector and physical activity is a key aspect for the promotion of sport and physical activities among young people.

<http://notonlyfairplay.pixel-online.org>

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Home



Best Practices



Toolkits
How to ...



Sport Events



Guidelines



Information
& Contacts



Project
Management



WELCOME TO THE

Not Only Fair Play Project

The Not Only Fair Play project, funded by the [European Commission](#), has the aim of promoting sport at school.



School Principals and physical education teachers are currently being involved!
Contact the project partners to participate in the activities!

BEST PRACTICES



TOOLKITS



SPORT EVENTS



GUIDELINES



CONCLUSIONS



- The solutions suggested to the three challenges that European education faces nowadays are rooted in the collaboration among teachers and students who join their efforts in order to raise students' interest in learning scientific issues (Goerudio project), help students find their place in the labor market and foster collaboration between school and work (*School&Work* project) as well as to promote social inclusion and equal opportunities and raise teachers', students' and parents' awareness of the importance and role of sport at school and in life (*Not only Fair play*).
- The online teaching resources created by the learning communities of teachers and students across Europe comprise a wide variety of materials where students, teachers, counsellors and parents can find solutions to their problems.