



AGENCIJA ZA
MOBILNOST I
PROGRAME EU



Primjeri prirodno nastavnih eTwinning projekata u OŠ Brodarica

mr. Ivana Križanac, dipl.uč.r.n.



Nakon prijave ...

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eTwinning Desktop

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Welcome Ivana Krizanac, Osnovna škola Brodarica | [edit profile](#) | [logout](#) 0 new 



My photo gallery

About me ?

 [Write something about yourself](#)

 **My school:**
Osnovna škola Brodarica
Šibenik, Croatia

Languages:
EN

Age group of my pupils:
6-15

My eTwinning Life

 **Last login:** 12.10.2011

I am **ready** for an eTwinning project ☒ No ☐ Yes

I am **ready** for a Comenius Partnership ☒ No ☐ Yes

 Aldute Kazlauskiene has joined the project **ENJOYABLE SCHOOL RULES** - 22.09.2011

 Siegfried MAILLARD has joined the project **Maths on Earth** - 15.09.2011

eTwinning and me : My Journal

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 **From Ivana Krizanac** - 14.09.2011
Today we got our first Quality label :)

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My Contacts ?

Last active on:
12.10.2011

 **Siegfried MAILLARD**

Last active on:
11.10.2011



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GOAL: Go Outside And Learn



Gimnazjum im. Jana Pawła II
Krempachy



Collège les Eyquems
Merignac



Havukosken koulu
Vantaa



Osnovna škola Brodarica
Šibenik





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IES Ramón Cabanillas, Cambados,
Secondary High School from Galicia-Spain.



Osnovna šola Simona Kosa, Podbrdo, Slovenija



GOAL – Go Outside And Learn

- CILJEVI:
 - Izdvojiti matematičke sadržaje koji se mogu realizirati iskustveno i izvan učionice.
 - Razmjena iskustva, korelacija i integracija
 - Usavršavanje i učenje stranih jezika
 - Povećati interes za učenje matematike, fizike ...
 - Europska dimenzija
 - Razvoj socijalnih vještina
 - Uporaba IKT-a



Sadržaji

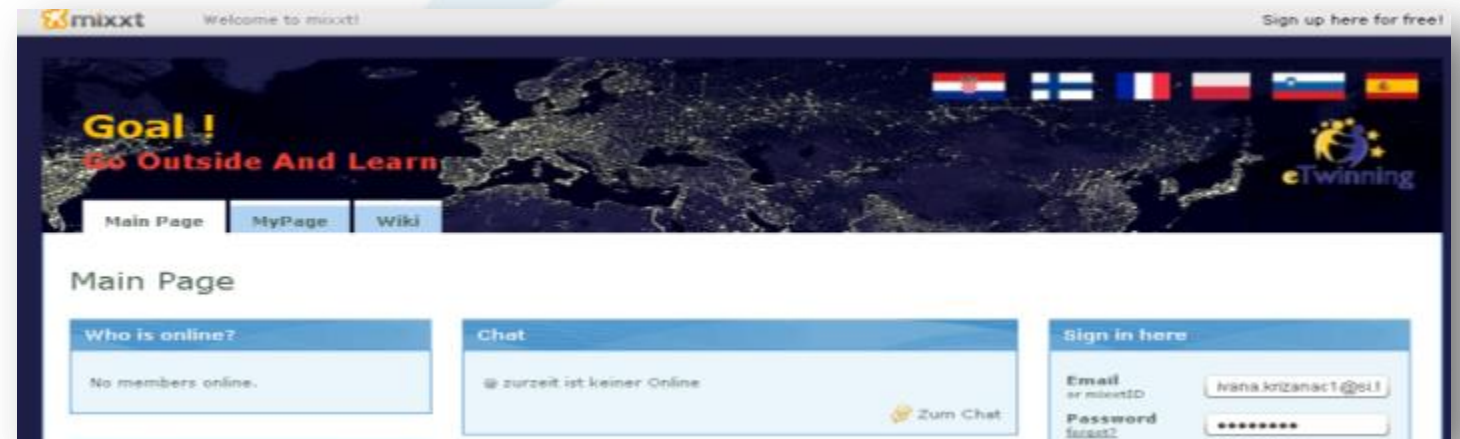
- Rampe (mjerjenja)
- Korak po korak (mjerjenja)
- Od stabla do šume (procjena - Fermi)
- Tvari (volumen i površina)
- Visina
- Krugovi (uvođenje π broja)
- Pita od jabuka (proporcionalnosti)
- Solarni sustav
- Kartezijev koordinatni sustav na parkingu
- Geometrija u prirodi
- Zemlja (opseg)
- Simetrija



Prezentacija i komunikacija

- Fotografije
- PowerPoint prezentacije
- Video konferencije
- Mixxt
- Mail, chat, TwinSpace

<http://goal.mixxt.eu/>





1 project
6 countries
22 classes
24 teachers
44 lessons
420 students

GOAL!



GOAL! Go Outside And Learn
Collège les Eyquems - Mérignac

<http://new-twinspace.etwinning.net/web/p34220/welcome>



Why not doing lessons outside the classroom?

Teachers and students from 6 European schools plan and implement lessons outdoors. Objectives, schedule, results and evaluations are shared online. Students cooperate and communicate using ICT, work in groups, share their knowledge. They develop their social and intercultural skills through science approaches.

Teachers' cooperation through Google docs leads to 15 scenarios of lessons:



- Slope of ramps for disable persons
- Radius of the Earth (Eratosthène)
- Solids and snow
- Fractions and apple pies
- Symmetry and Europe
- Height of a tower ...



Each lesson begins with a given problem.

Students integrate and use knowledge from several topics, sometimes several subjects. They work in groups, plan strategies, take decisions and cooperate.

Students and teachers publish the results on line (slide shows, films).



Youtube, Powerpoint, word processing, spreadsheets ... are used to create our documents.

GeoGebra, Google Earth, APSalin are also exploited. Digital cameras and camcorders to document the activities.

We communicate in English with Skype (chat, videoconferencing), mixxt (social network), TwinSpace and we exchange parcels.





eTwinning Quality Label

Ivana Krizanac Osnovna škola Brodarica, Croatia

is awarded with the Quality Label
For the project:

GOAL! Go Outside And Learn

14.09.2011

Tina Šarić

Tina Šarić
National Support Service
Croatia

Marc Durando

Marc Durando
Central Support Service



eTwinning

eTwinning Pupil Quality Label

has been awarded with the eTwinning Quality Label as a pupil for the project

GOAL! Go Outside And Learn

14.09.2011

Tina Šarić

Tina Šarić
National Support Service
Croatia



Marc Durando

Marc Durando
Central Support Service



Erasmus+



Obzor 2020.





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Comenius Maths On Earth!



MATHS ON EARTH!

Education and Culture
Lifelong learning programme
COMENIUS

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*Mathematics is the language
with which God has written
the universe."*
Galileo Galilei

Poland, France, Finland, Croatia



Od 2010. do danas u našoj školi ...



- Istraživačka nastava, suradnja razredne i predmetne nastave
- Međunarodni projekti Comenius
(Maths on Earth! “What’s g(r)o(w)ing on?” Travelling Stories) i
eTwinning (GAME i GOAL!) <http://mathsonearth.webege.com/>
- IKT i digitalne kompetencije nastavnika i učenika
- EU dimenzija i prepoznatljivost škole
- Novi izazovi ERASMUS +





Primjeri tema eTwinning projekata

- NPP
- Vertikalna povezanost
 - ✓ Različite matematičke radionice
 - ✓ Istraživanje o poslovima za koje je nužno znanje matematike
 - ✓ Matematika i arhitektura
 - ✓ Izumi i matematika
 - ✓ Teorem o četiri boje
 - ✓ Grafovi (statistika u svakodnevnom životu)
 - ✓ Prirodosnanstveni postupci u nastavi matematike, prirode i društva, fizike ...



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Teorem četiri boje u prvom razredu





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Prirodosnanstveni postupci u razrednoj i predmetnoj nastavi (biologija, kemija, fizika...)



GAME! Garden in Amazing Mathematical Experiences

- Čudesni vrtovi i parkovi u našem mjestu (gradu, županiji, državi)
- Čudesni vrtovi i parkovi u svijetu
- Čudesna “vrtna” matematika
- Biologija i kemija u vrtovima i parkovima



I za kraj ... ponovimo ;)

- vertikalna povezanost
- aktivnost učenika
- NPP
- kontinuitet (projekt kroz više godina)
- uzročno-posljedična povezanost
- primjena u svakodnevnom životu

