

The conference „Visuality & Mathematics – Experimental Education of Mathematics through Visual Arts, Sciences and Playful Activities”



Name of the teacher:	Mirjana Jovanović
Name and address of the school:	“Isidora Sekuić”, Grammar School Novi Sad, Vladike Platona 2, Serbia
Theme of the lesson/tool:	Introduction to Quadratic Function
Place in curriculum: (type of school, grade)	Grammar School, 2 nd (10th) grade
Age of the students/pupils:	16
Title of the lesson/tool:	Introduction to quadratic function

Description of the lesson or educational tool			
Time	Exercises, matters, parts of the lesson	Methods and forms of student activities	Developable competencies
20'	<i>Every group was given an assignment – pose and solve a problem from a real life (in attachment)</i>	<i>Work in pairs or groups in GeoGebra environment</i>	<i>Problem posing and solving, mathematical modelling of a real problem, math thinking, using mathematical program package for the purpose</i>
50'	<i>Presentation of the results of every group</i>	<i>Projector, PC, GeoGebra, blackboard</i>	<i>Reasoning, presenting the results in front of classmates</i>
10'	<i>Discussion about the results – finding similarities and differences, forming new problems</i>	<i>Projector, material prepared by a teacher</i>	<i>Improve understanding math concepts</i>

10'	<i>Watching presentation prepared by a teacher of some other real problems that are connected to quadratic function</i>	<i>Projector, material prepared by a teacher</i>	<i>Understanding the role of mathematics in everyday life, science etc...</i>
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Summary

The lesson was a part of The Forth International Conference of Grammar Schools 3C, held in "Isidora Sekulic" Grammar School, Novi Sad , 8.-9. November 2013. (ZUOV number 860-450/2012)

Supplements

Used materials: *List of assignmenst, workbooks, GeoGebra, PC, video projector, PPT presentation, GeoGebra files – prepared in advance*

Photos:



A part of this lesson is available on <http://www.gimnazis.edu.rs/index.php> on the video IV medjunarodna konferencija 3K (2:20-2:44)