Second round of the research

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Introduction

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Matematika přes hranice
EVROPSKÁ UNIE
Evropský fond pro
regionální rozvoj
EUROPEAN TERRITORIAL CO-OPERATION
RAKOUSKO-ČESKÁ REPUBLIKE 2007-2013

▸ Teachers prepared a lesson

▸ We have visited the classes and observed

▸ We were helping the students work with GG if needed

▸ After the lesson there was a discussion

▸ Students shared with us their opinion

Schools

School	Class	Teacher	Number of previous PC lessons	Topic
ČAG	Septima + 3. year of study	Marek Vejsada	Every week	Cutting cubes and other solids with a plane
GYMČEON	3. year of study	Irena Štrausová	2	Parametric equations of a line
GYM NYMBURK	Septima	Hana Mahnelová	2	Angles between sides of various solids
ISŠ STAVEBNÍ ČESKÉ BUDĚJOVICE	3. year of study (lyceum)	Eva Vortelová	2	Mutual position of two lines
	3. year of study	Marie Stejskalová	2	Trigonometry
SPŠ STROJNÍ A STAVEBNÍ TÁBOR	4. year of study (vocational school)	Pavel Kolář	3	Inequations with abolute value
	3. year of study (lyceum)	Jitka Nováková	3	Introduction of exponentional functions

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▸ **Students see the following advantages:**

+ Illustration, transparency

+ Better imagination

+ Quicker evaluation

+ The Trial and Error method

+ No need for ruler and other tools

+ Good for geometry and functions

+ Everyone can try it

+ Practice

+ More examples

Second round of the research

- **Students see the following disadvantages:**

  - Teaching new topics

  - Technical issues

  - Problems with using GeoGebra

  - Slower lessons

  - No notes and feedback

  - No need to learn <- no testing

  - Internet – problem to stay focused on the topic

  - Not suitable for every topic