## Evaluation of interviews

Hluboká n. Vlt., 11.10.2012

## 1.Our Fields of Study

Graduation branch

- Technical Lyceum 3La
- Engineering 3s
- Building Construction 3P
* Vocational branch
- Painter
- Carpenter
- Bricklayer
- Joiner 3 Tr
- Machinist


## 2.Students interviews

## *Question 1

- Could you write the positive aspects of mathematics?



## 2.Students interviews

## Summary



- Connection with technical or nontechnical articles

■ Future work

- Use in everyday life

■Training logical reasoning

- Derivation of formulas


## 2.Students interviews

## *Question 2

- What do you think is the most difficult in mathematics?



## 2.Students interviews

## * Summary



- Abstraction
- Math is laborious
$\square$ I don't use some topics in real life ■ Mathematization of real situation

■ Continuity of curriculum

## 2.Students interviews

## *Question 3

- If you had the opportunity to make a difference in the teaching to make math a more increasingly popular, what would it be?



## 2.Students interviews

## Summary



## 3. Teachers interviews

## *Question 1A

- How long have you been teaching mathematics?

| Teacher of | Years |
| :---: | :---: |
| Lyceum | 25 |
| Building Construction | 28 |
| Engeneering | 22 |
| Joiner | 9 |

## 3.Teachers interviews

## *Question 2A

- Do you use comturers for your teaching (if yes, how often, if no, why)?
$\square$ Sometimes (for selected topics)
- Never


## 3.Teachers interviews

## *Question 3A

- Do you know how to use GeoGebra and what are your experiences/impressions about the use of GeoGebra in mathematics teaching?


## 3.Teachers interviews

## *Question 1B

- What do you think motivates the students to learn mathematics?

- Exercises in practice

■ Problematic tasks

- Nothing


## 3.Teachers interviews

## *Question 2B

- What do you think are the problems and difficulties they face when learning mathematics?


■ "Mathematics is not learned"

- Supplement of curriculum after an absence

■ Abstraction

■ Mathematization of real situation

## 3.Teachers interviews

## * Question 3B

- What do you think which kind of mathematics learning and teaching resources/environments woul the liko to have to improve their motivation to learn mathematics?


■ Better clarity (e.g. use IT)
$■$ It doesn't depend on
resources/environments
■ Greater practicality of curriculum

## $\stackrel{\bullet}{\circ}$ <br> Thank you for your attention!

