



# Student Interviews





# Teacher Interviews





# Schools



## Gymnasium Bad Ischl

(age 10 – 18)



## Gymnasium Dachsborg

(age 10 – 18)

## NMS St. Peter

(age 10 - 14)



NEUE MITTELSCHULE ST. PETER/WBG.

Lernen mit Verstand, Herz und Hand.

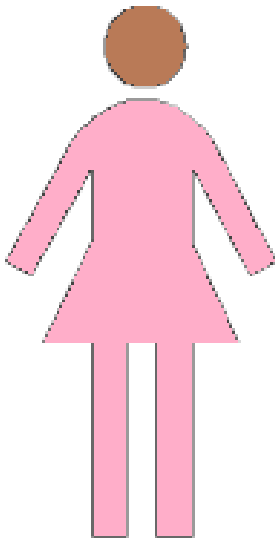
## HBLA Lentia

(age 14 – 19)

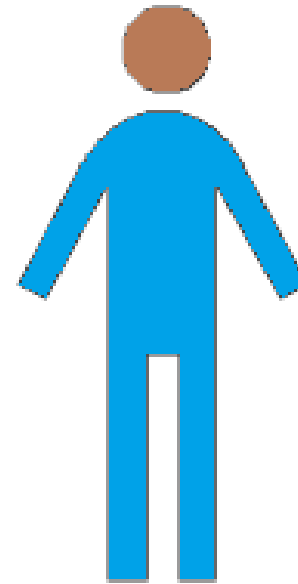




# 7 Teachers



4



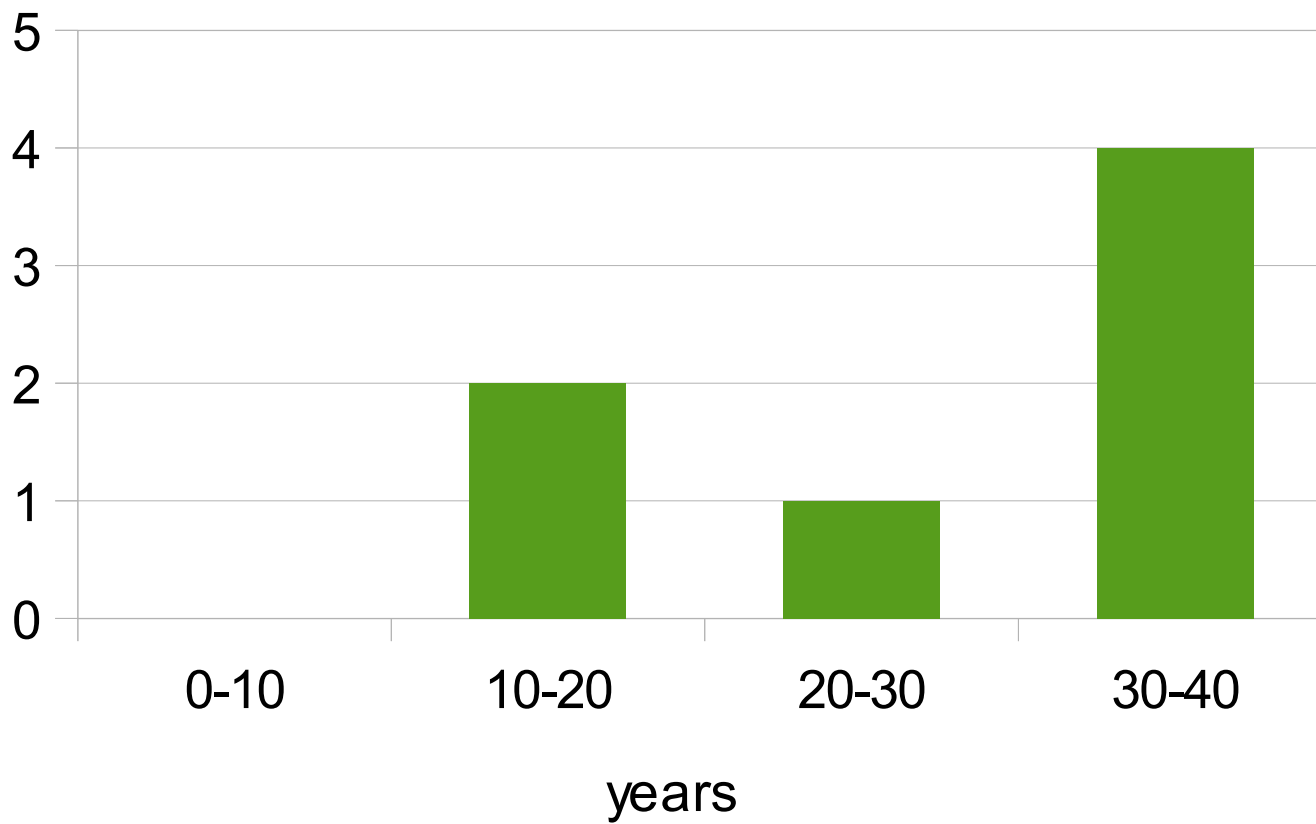
3



# Question 1



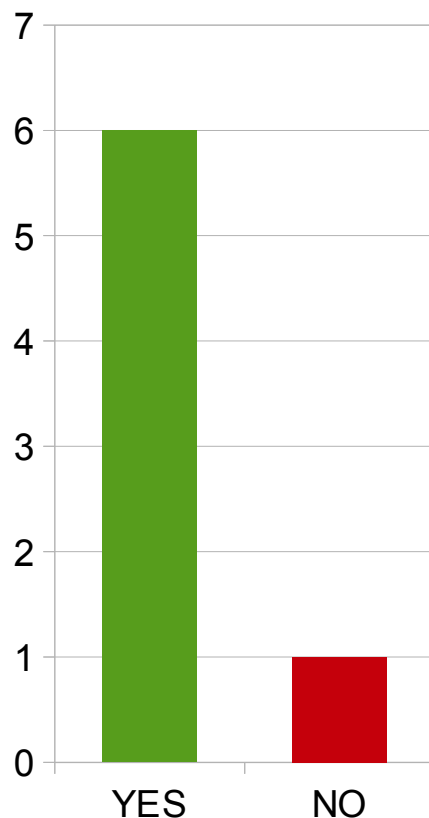
How long have you been teaching mathematics?





# Question 2

Do you use computers for your teaching (if yes, how and how often; if no, why not?)



## Software:

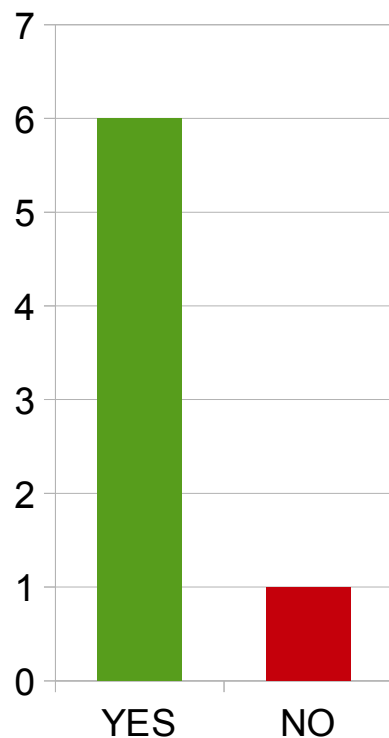
- GeoGebra
- Excel
- Mupad
- Moodle
- Applets
- Grafics calculator



# Question 3



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



**applets prepared by teachers: 4**

**self-made constructions by students: 5**

## Topics:

Geometry

Trigonometry

Functions

Differential Calculus



# Question 4



What do you think motivates the students to learn mathematics?

marks
interest
computer
teachers' influence
usefulness of mathematics
parents' expectations
feeling of success





# Question 5



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

deep understanding is missing
problems to understand the instruction
less endurance and practice
basical knowledge is missing
concentration
inexact working
abstractness

What do you think which kind of mathematics learning and teaching resources/environments would they like to have to improve their motivation to learn mathematics?

