

# CAN YOU MOTIVATE THE Y AND Z-GENERATION IN THE HIGH EDUCATION MAINLY IN MATHS AND IT ?

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In this conference I want to show why is indeed important to motivate our students and what can we do for it in such as subjects as Maths and IT. It is right that the students who are applied at the university arrive with different level of knowledges. They are nowadays the Y and the Z-generation. They are using easily electronical machines and they receive a lot of information at the same time. They are fast (generally) and they can work in multitask mode or maybe they think so. They do almost everything but they don't do a very important thing: they don't communicate each other, so they lose personal experiences and they lose social capital. How can a Maths and/or an IT teacher help in this case? The answer is simple: Easily. I enumerate here only some of the methods that you can use in the high education:

- At the beginning of the semester or academic year select groups;
- The groups work with team-work;
- Use a big, clear described environment and each task embed in this environment (instead of a lot of independent tasks);
- Make small or big competition among the groups as in real life;
- Check the solution(s) always;
- Reward all of them with a bonus prize;
- Give them obligatory and not obligatory homeworks, too;
- make presentation of each lecture and each presentation that can be used at the education will be prized with 5;
- Use the lecture expressions and do them imaginable;
- etc.

These are only a few working examples how you can make motivate your students. It will give you work at the beginning, but you will have more enjoyable lessons and lectures than before. In the conference I want to share my personal experience in this area.

[1] PÓLYA GYÖRGY, *A gondolkodás iskolája: A matematika új módszerei új megvilágításban*, Gondolat Kiadó, Budapest, 1971. The school of thought: New methods of mathematics in a new spot