



How I'm teaching Computer science at Klaipėda Vyduno gymnasium

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Gymnasium: I grade

- Information and informatics
- Ordinary conversion between binary and decimal numbers
- Computer architecture
- Word Processing
- Spreadsheet

Gymnasium: II grade

- Students have a choice from 3 modules
- Programming (I'm suggesting "Processing")
- Website building: (I'm suggesting "Brackets")
- Desktop Publishing: (I'm suggesting "Scribus")

II grade: Desktop Publishing

- Project examples:
 - Class calendar (group activity)
 - Posters about school classes and afterschools
 - Class photo album (group activity)

II grade: Programming

- "Processing" programming language and Developing environment
- Output levels
 - text output
 - static graphical output
 - animated graphical output
- Individual and small group projects
 - Visual effects
 - Simulations
 - Games

II grade: Website building

- Basic HTML
- Cascading style sheets
- Individual and small group projects about topic of choice
- Software tools
 - Several years using "Kompozer"
 - this year – "Brackets"

III grade

- Advanced Word processing
- Advanced Spreadsheet
- Developing of C++ console applications

IV grade

- C++
- Preparation for the exam

Afterschool

- Preparing for local and regional contests
- Computer animation
- Java programming

Hardware and software

- Computer class with Ubuntu GNU/Linux (9 Pcs) and LXLE GNU/Linux (2 PCs)
- LibreOffice as Office suite
- CodeBlocks as C++ IDE