

## Electronics and Programming Basics - Reference to Finnish National Curriculum of the High Schools (2015)

In Finnish High Schools, students take a minimum of 75 courses in either three or four years. The length of one course is approximately 38 x 45 min. These include both compulsory and elective courses.

### Thematic studies

Thematic studies consist of elective cross-disciplinary courses. The learning objectives of Mehackit Atelier meet especially well with a thematic course *Inquiry-based work with technology* (TO2).

- Course *Inquiry-based work with technology* (TO2) (p. 220)  
“The aim of the course is to design, implement and present a documented project, thesis, invention or other product individually or in collaboration with other students. At the same time, student develops their ICT-skills. In addition, the goal is to work and collaborate across disciplines. The core content of the course is related to knowledge and skills of two or more different subjects.”

### Physics

- Course *Electricity* (FY3) (p. 154)  
“Student can utilize and apply concepts of electronics to phenomena in everyday life, environment, society and technology.”  
  
“Student can utilize ICT in research.”