

TIKKURILAN LUKIO

PRINCIPAL ARI RANKI

**TIKKURILA UPPER SECONDARY
SCHOOL**

IB WORLD SCHOOL

**TIKKURILA UPPER SECONDARY
ADULT EDUCATION**

MAKE MISTAKES!

- If you have not tried
you can not say "it does
not work"

THE BIGGEST SCHOOL...



1190 + 450 80

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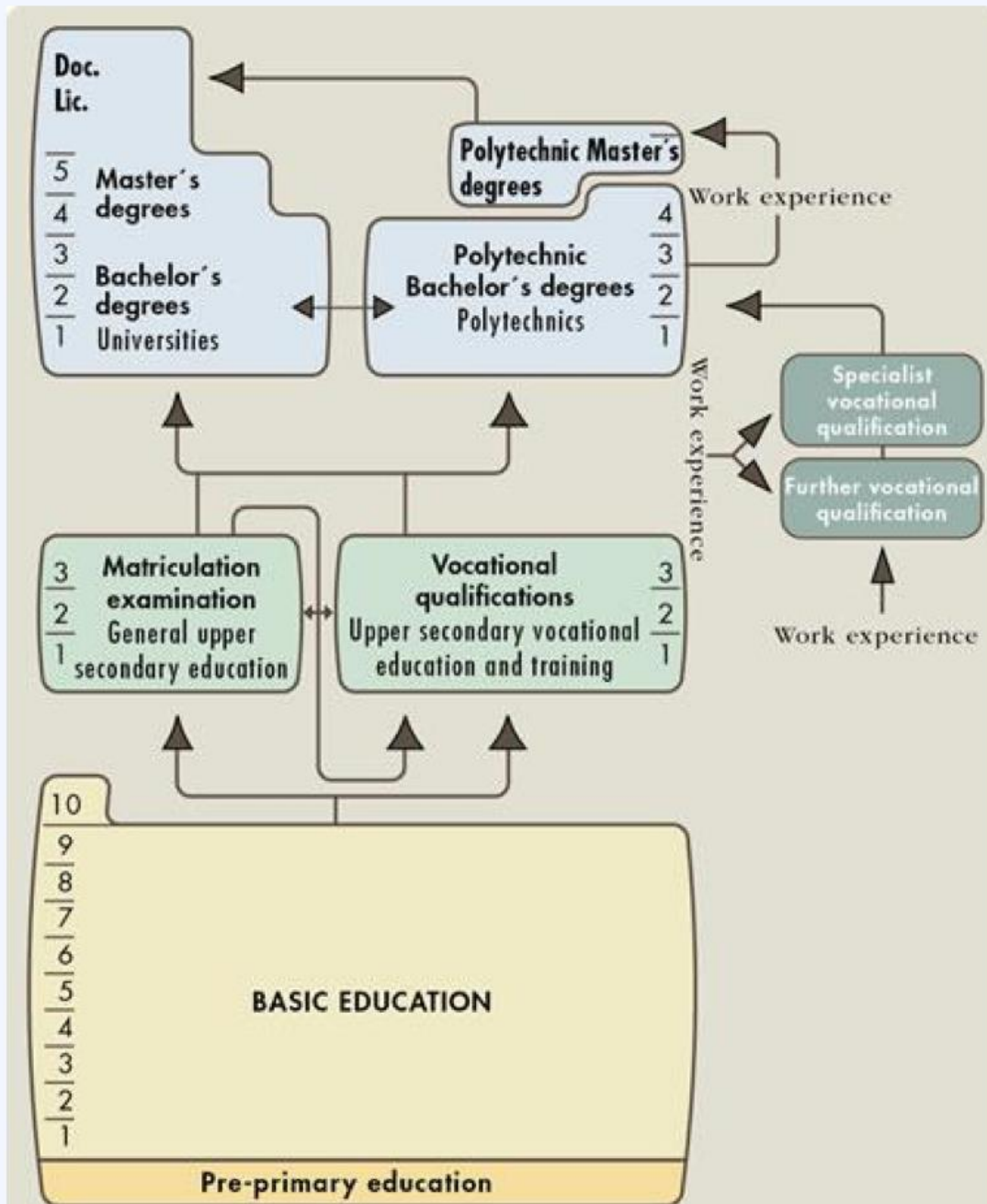


VOCATIONAL SCHOOL

"OLD" TILU

TIKKURILAN LUKIO

COMPREHENSIVE SCHOOL



About 450 upper secondary schools in Finland (adult included). Most schools are smaller than my school



TIKKURILAN LUKIO IN A NUTSHELL

- the biggest upper secondary school in Finland
- 1180 students (intake 358 students/year)
 - grades 10-12 (students are 16-19 years)
- 62 full time teachers, about 10 other staff members
- IB-World School - International Baccalaureate Diploma Program (30 students/year)
 - international curriculum, instruction in English
 - intake 30 students/year
- the building was completed in October 2002
- media, film education, sport, music, mathematics



CURRICULUM IN TIKKURILAN LUKIO (ADULTS NOT INCLUDED)

- 1120 courses in total:
 - 688,5 obligatory courses
 - 250,5 national voluntary courses
 - 181 school-based voluntary courses (teachers own interests and "special know-how", like astronomy, animal behaviour, hiking etc.)

"THE BIGGER SCHOOL, THE MORE COURSES"

- Adults have to study less courses (44/48) than "normal" students (min. 75.)
- Lessons for adults are shorter and one period contains less teaching

1. Language A

2. Language B

3. Individuals and Societies

IB program = one subject from each subject group

- 3-4 subjects as HL subjects (higher level = 240 hours)
- 2-3 subjects as SL subjects (standard level = 150 h)

4. Experimental Sciences

5. Mathematics

6. Arts and Electives

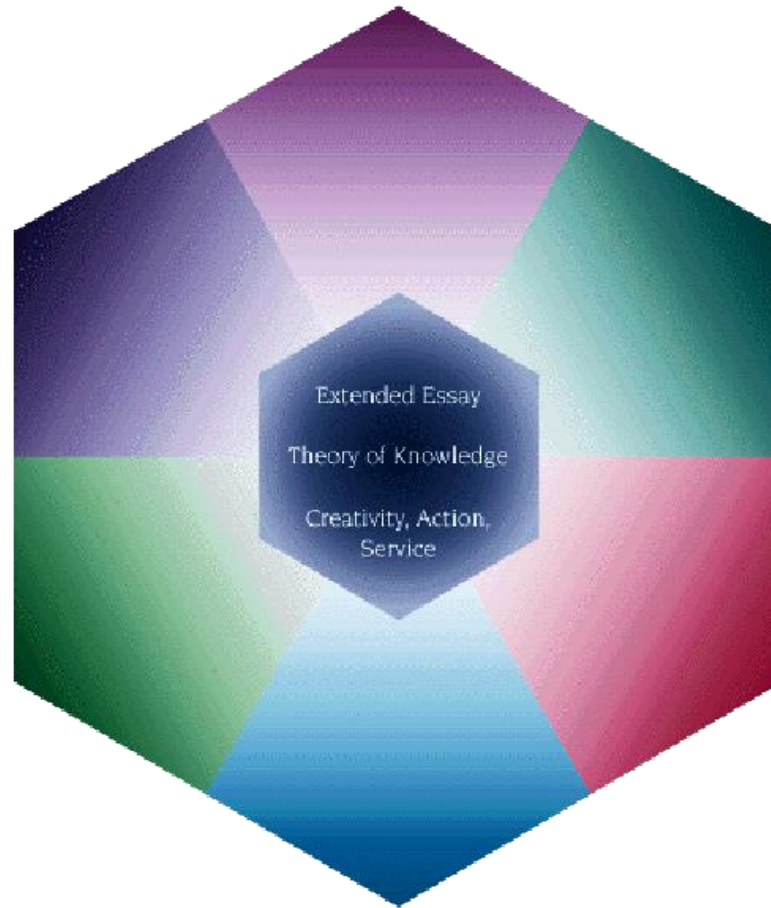


IB subjects

Group 1: Language A
(Finnish A, English A,
language A self-taught)

Group 2: Second
language (English B,
Finnish B)

Group 4: Experimental
Sciences (Biology,
Chemistry, Physics)



Group 3: Individuals and
Societies (Psychology or
Philosophy [SL only],
History)

Group 5:
Mathematics
(Mathematics HL /
SL, Math Studies)

Group 6: Arts and Electives
(Visual Arts or a second
subject from groups 3-4)



IB vs. National curriculum

6 subjects vs. 18 subjects

two languages vs. 3-6 languages

three Math levels vs. two Math levels

CAS vs. mandatory PE, Arts & Music

NEW CURRICULUM

SYLLABUS 1.8.2016:

- Ministry of Education gives basis of curriculum
- City of Vantaa makes own curriculum
- Common workgroups with other upper secondary school teachers
- All schools make own, specific curriculum (special features, school's special courses etc.)
- Subject teachers make subject specific curriculum

IB-LINE HAS TOTALLY DIFFERENT AND MORE STRUCTURED SYLLABUS AND CURRICULUM

SAME TEACHERS TEACH BOTH NATIONAL AND IB-COURSES

NEW CURRICULUM

THEMATIC COURSES:

- No subject boundaries:
 - "learning by using technology"
 - "voluntary work"

COURSES WHICH COMBINE TWO OR MORE SUBJECTS:

- "Can art change the world" (music and philosophy)
- "How earth was formed" (physics, biology, religion)
- "What do we do today?":
 - Students plan the course
 - Teachers role is to teach skills, not facts

ELECTRICAL MATRICULATION EXAMS

FIRST SUBJECTS:

- Autumn 2016 and spring 2017
- Geography, Philosophy, German, French, Psychology, Social studies

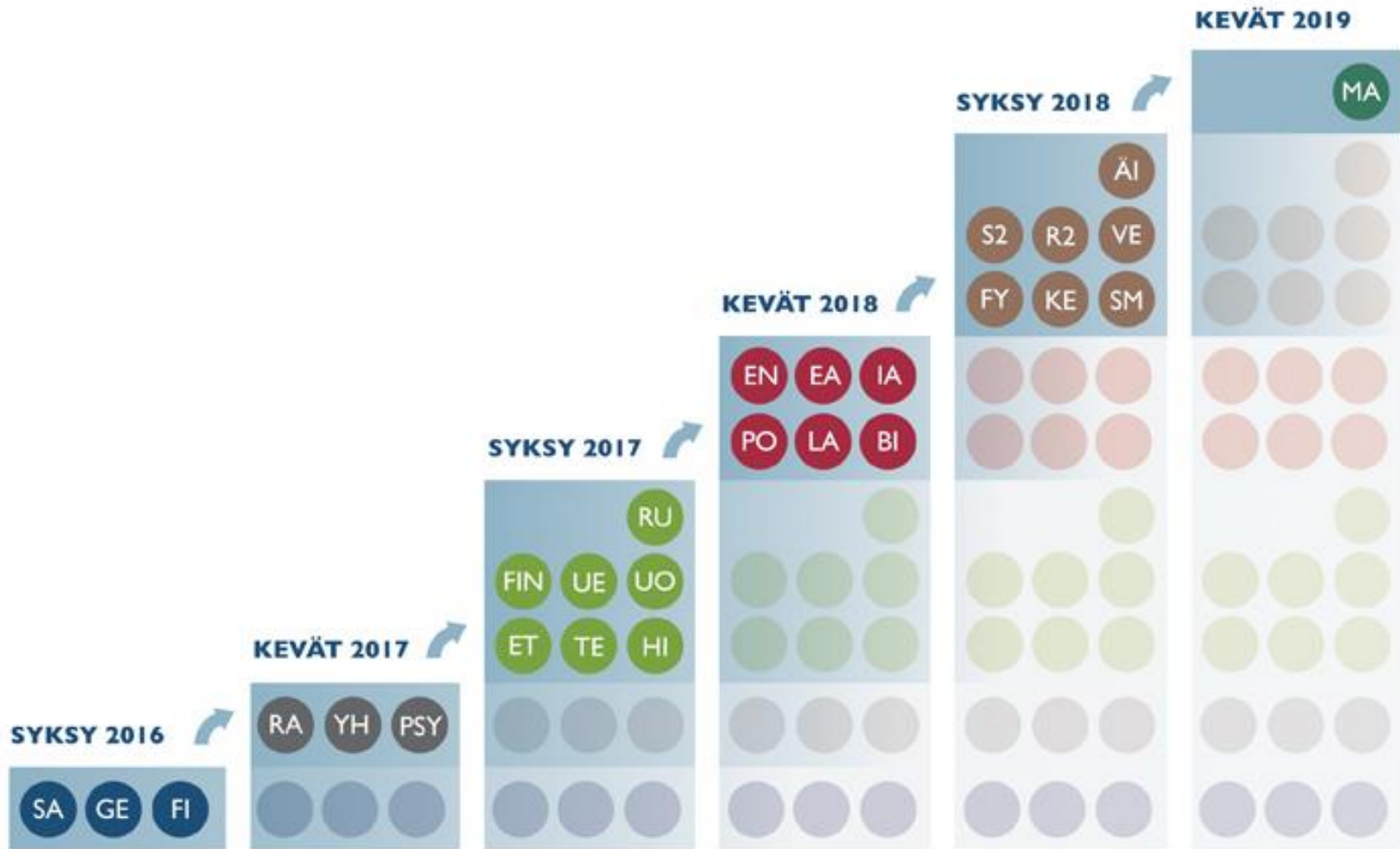
ALL SUBJECTS ARE ELECTRICAL:

- Spring 2019

SCHOOL COMPUTERS FIRST, THEN STUDENTS' OWN LAPTOPS

- Linux-based operating system in a memory stick
- Students boot computer by memory stick
- Closed environment (no connection to internet)
- Special server and LAN

AUTUMN 2016 – SPRING 2019



PRACTICE MAKES PERFECT

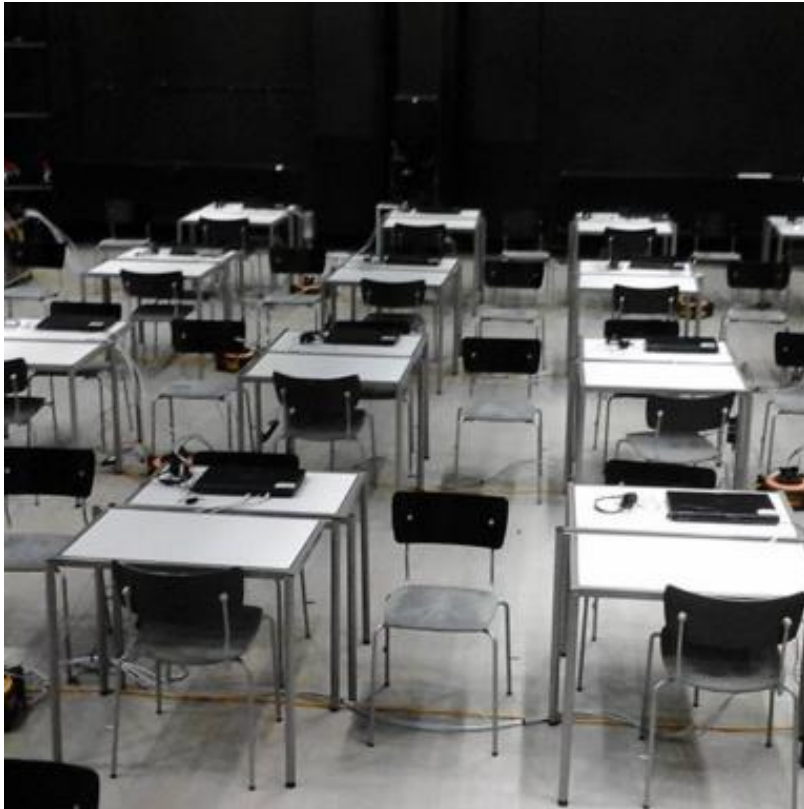


National training
exam 2.10.2015

Plenty of technical
details

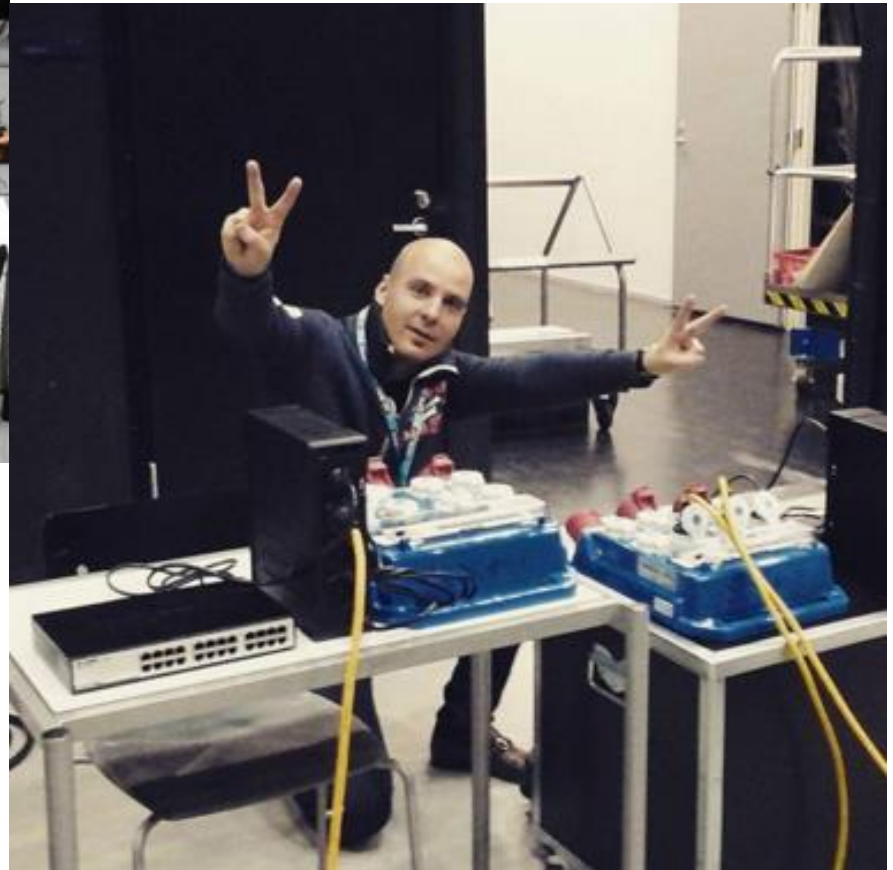


PRACTICE MAKES PERFECT – PART 2



Before an electrical exam

We did it!



SKILLS, NOT FACTS

IB: Approaches to teaching and learning

https://xmltwo.ibo.org/publications/DP/Group0/d_0_dpatl_gui_1502_1/static/dpatl/

National: New Pedagogy for Deep Learning





TILU HAS A STRONG SENSE OF COMMUNITY

PRINCIPAL

ALEXANDER STUBB – MINISTER OF FINANCE

APPROXIMATELY 60 STUDENTS AND TEACHERS

WELL-BEING STUDENTS = GOOD RESULTS!

