

Valmiera Elementary School – Promethean Excellence school in context with the LFF

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“Broadly speaking ICT can be used in education in two ways: as a subject (learning to use ICT) and as a tool (using ICT to learn). Using ICT to learn requires first learning to use ICT”.

ICT in Education, p. 16

“Humanity should govern the development of technology instead of technology governing the development of humanity.”

Media Literacy and New Humanism, UNESCO/IITE, p. 21

Strides from 36th Session of the UNESCO General Conference (Paris)

- **pre-service and in-service teacher training**
(760 h in-service teacher training program in cooperation with Publishing House «Lielvārds»),
- **a more relevant curriculum responding to the needs of today and of tomorrow**
(school create new education programs in Science, Housekeeping and technology and Art)
- **the provision of entrepreneurial skills for young people**
(the children's craft market "Made in Latvia"),
- **greater gender equality** (male and female engagement in self-government),
- **the incorporation of values** (e.g. peace, democracy, non-violence and responsible citizenship)
(students' council)
- **the strengthening of partnerships at all levels with all stakeholders in education.**
(Students and Parents Council)

Strengthening the four pillars of learning for the 21st Century through the effective use of ICT (1.)

1. Learning to know: Learning about, understanding and applying ICT

- Education for sustainable development (ESD)*
- A new humanism

Depending on means and resources, these three main areas of studies could either be:

- integrated across the curriculum;
- integrated in a few selected subjects (e.g. language, art, music, history, science, mathematics) and/or
- through a newly developed interdisciplinary approach/course.

Strengthening the four pillars of learning for the 21st Century through the effective use of ICT (2.)

2. Learning to do: Extended and optimum use by students and teachers of ICT for learning, teaching and creativity

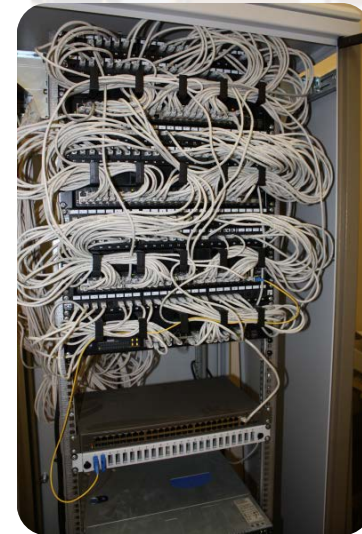
- (Language learning skills remain a priority not only in one's language of instruction but in other languages as well(Robotics))
- Problem solving skills and sound management skills

3. Learning to be

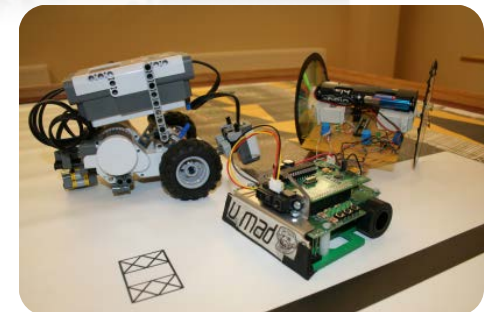
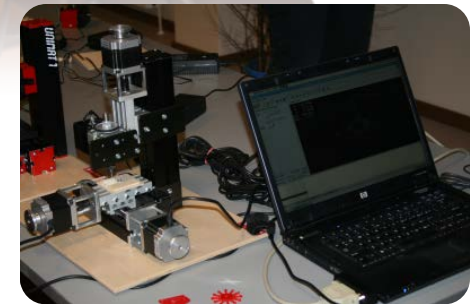
4. Learning to live together

- Learning environment
- Learning materials

- Local area networks and the Internet in every classroom
- Optical Internet, wireless networks access points
- Centrally stored user profiles
- Centralized and secure data storage
- Centralized print management
- Computer classrooms management system



- 70 workstations with software
- Set of equipment for classrooms with a projector, interactive whiteboard and a document camera
- Robotic kits and equipment
- Unimat Machines for woodworking hobbies, model construction and training.
- *Activote and Activexpression* - Promethean's integrated personal response systems
- A wide range of application software



Available operating systems and application software

- MS Windows 7 Pro –operating systems
- Windows Server Standart 2008 – server operating system
- Ms Office 2010, Openoffice org3.0 – office application software
- ESET Nod32 - antivirus software
- Asc Timetables – school scheduling software
- NetopSchool – classroom management software
- Adobe CS4 Production Premium – photo editing software
- Sound Forge 10 Pro - production suite for professional audio recording and mastering, sound design etc.
- FL Studio Fruity EDU - music production systems for composing, arranging, recording music etc.
- Data Harwest – programming software for robotic kits
- Jāņa Sētas interactive map systems
- Etc. open and commercial applications.

