

Grasping the Future 08

Innovation and Education

Director General

Timo Lankinen



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Timo Lankinen, Director General
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For learning and competence

The World Around Us

- ◆ globalized, internationalized, interconnected
- ◆ global economy, global ecology
- ◆ multicultural interaction and dialogue
- ◆ omnipresence of media, on-line presence as lifestyle
- ◆ challenge of sustainable development

General Key Competencies for the Future

- ◆ Responsibility for one's own life, ability to act autonomously
- ◆ Ability to engage with others and interact in heterogeneous groups
- ◆ Ability to use a wide range of tools interactively
- ◆ Ability to think critically, act responsibly and build sustainable futures

(Defining and Selecting Key Competencies, OECD, 2003)

Key Competencies for Lifelong Learning

- ◆ Sense of initiative and entrepreneurship
- ◆ Ability to turn ideas into action
- ◆ Creativity, innovation and risk-taking
- ◆ Ability to plan and manage projects
- ◆ Awareness of the context of work
- ◆ Ability to seize new opportunities
- ◆ Awareness of ethical values
- ◆ Promotion of good governance

(European Parliament and Council, 2006)

Pedagogy for Tomorrow

- ◆ Ubiquitous technology, ubiquitous opportunity?
- ◆ Collaborative, social-constructivist learning
- ◆ Problem-based instruction
- ◆ Progressive inquiry, experimental study
- ◆ Peer feedback and peer cooperation

Learning in Multiple Innovative Environments

- ◆ Contextual, authentic learning sites
- ◆ Networked local, technological and social forums of learning
- ◆ Hands-on, on-the-job, real-life learning arrangements
- ◆ On-line study in virtual environments, through social media, with mobile tools
- ◆ Blended teaching methods, hybrid learning resources
- ◆ Public-private partnerships

System Level Innovation Challenges

- ◆ Institutionalized forms for life-long learning
- ◆ Equality of opportunity and quality of education
- ◆ Immigration and multiculturalism
- ◆ Security of school environment

Grasping the Future!

- ◆ You learn well when you take action!
- ◆ You learn better when you can do it yourself!
- ◆ You learn best when you can do it with your friends!

(Hiu, 7 years, Kaisaniemi School, Helsinki)