The Future of Learning

Imagining Learning in 2025

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IPTS Information Society Unit

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The views expressed by the authors are not necessarily those of the EC
**IPTS**: One of the 7 Research Institutes of the European Commission

**Mission:**
- support EU policy-making
- research on topics with a socio-economic and a scientific/technological dimension
Learning Spaces
Study on learning with technology in the future
2006-2008

Learning 2.0
Study on the use of social media in primary, secondary & tertiary education to support innovation and inclusion
2008-2009

Study on learning opportunities in online networks and communities

Study on Creativity & Innovation in primary & secondary education
→ Teacher survey on creativity

Study on
The Future of Learning
New ways to learn new skills for future jobs
IPTS Future Learning Spaces 2020

Learning Spaces
Study on learning with technology in the future 2006-2008

My teachers
- my personal learning plan
- feedback
- joint projects
- ideas

My achievements
- assignments
- grades
- my essays
- my arts project
- my music recordings

My friends
- classmates
- family
- pen pals
- the boy I met last Friday
- my best friend who moved to Australia

My textbooks
- worksheets
- dictionaries
- tests
- exercises
- videos
- songs
- novels

eTwinning

My best friend who moved to Australia

Facebook
Foresight on the Future of Learning

What can governments do?

What is changing?

Vision Building
What does this mean for education systems?
The BIG picture

Scenario Building
What does this mean for learners & teachers?
The PERSONAL level

What does this mean for education systems?

The BIG picture

What does this mean for learners & teachers?

The PERSONAL level

Informing and involving experts
LinkedIn
Facebook
YouTube
Delicious
Twitter
Learning Objectives and Assessment

- Vision Building
  - Key Competences for Learning Objectives
  - Assessment: Monitoring, Grading, Certifying

The BIG picture

Learning Pathways and Strategies

- Scenario Building
  - The Future of Education for Learning Strategies
  - The Role of Teachers & Technology

The PERSONAL level

Afternoon Workshop

Morning Workshop
Workshop 2: Learning Objectives & Assessment

A  Brainstorming Session

Key Competences

30 min.

B  Group Session

Learning Objectives

Primary Education  Secondary Education  Teacher Training

Assessment
Monitoring, Grading, Certifying

45 min.
What will be the most important skills, the **key competences** people will need in 15 to 20 years’ time?

→ Write each idea you have on one post-it note
→ Stick all post-it notes onto the big poster on the wall
The Present – and the Future!

- Communication skills
- Languages
- High level of mathematics for all

- Reading skills for all
- Media literacy; Finding, selecting and processing information quickly; using ICT effectively; Creating digital information; Being online 24/7; Web2.0; Management of digital identities
- Innovation; Creativity; Entrepreneurship
- Mobile learning; Learning to learn; Self-studying; Making investigation in internet; Learning by doing
- Active participation in society; Collaboration skills; Co-operation; Conflict resolution skills; Networking
- Understanding diversity; Intercultural dialogue; Cultural identity
- Environment; Nature

European Commission: Key Competences (2006)

eTwinning workshop participants: Key competences for the future
How can the future key competences be translated into learning objectives?

How can these learning objectives be assessed?
Learning Objectives in 2025

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Ways of Assessing in 2025

Max 6 years old in 2025
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Emma, a 16-year-old in 2025
Training Objectives in 2025

Ways of Assessing in 2025