31% of schoolchildren worldwide (463 million) cannot be reached by the broadcast- and Internet-based remote learning policies

https://data.unicef.org/topic/education/covid-19/
Remote Emergency Teaching
Massive Education Shift

Using all media
Multiple modes of delivery
Social aspects of schooling
Digital systems
Focus on learning time
Flexibility
Opening the traditional classroom
Hybrid Teaching highlights policy gaps

- School infrastructure
- Evolution of teaching and Learning
- Well-being
- Learning goals & curriculum
- Financial-structures
- Ripple effect into society
- No unified plans
Looking Forward
Less than 40% of educators feel ready to use digital technologies in teaching.

-OECD
Digital Equity

- digital foundations,
- conditions for learning,
- meaningful learning opportunities
- Access to quality digital technologies
- Digital literacy skills

Digital equity is a reflection of underlying social/economic conditions. There are certain limits to what can be done
Schools must rethink the definition of success and create new indicators of student success.

Meaningfully capturing and assessing learning requires unique attention to digital tools and assessment design in the learning design process.
Digital solutions must be capable of:

- Capturing new types of data
- Enabling multiple modes of delivery
- Reflecting a variety of learning environments
- Accommodating and comparing multiple assessment structures in hybrid situations
Standards, Certification & Centralized Systems
Digital Europe Programme

budget of €600 million
advanced digital skills,
Specialized training courses
expand the digital talent pool
“169 million Europeans between 16 and 74 years – 44% – do not have basic digital skills”.

“In the future, 9 out of 10 jobs will require digital skills”.
Top 10 skills of 2025

- Analytical thinking and innovation
- Active learning and learning strategies
- Complex problem-solving
- Critical thinking and analysis
- Creativity, originality and initiative
- Leadership and social influence
- Technology use, monitoring and control
- Technology design and programming
- Resilience, stress tolerance and flexibility
- Reasoning, problem-solving and ideation

21st Century Learning Competencies
21st Century Learning Spaces

• Integrate technology and network the entire learning space
• are flexible and offer multifunctionality
• offer transparency and inspire
• Are safe
• Network the learning space within the local environment
• Connect multiple learning spaces and possibilities
• Consider life-long learning
Personal Learning Milestones:

- No more class or year groupings
- Milestones beyond single learning years (e.g. grades 8-12)
- Interdisciplinary
- Competence oriented
1. Fostering the development of a high-performing education ecosystem

This requires:
• infrastructure, connectivity and digital equipment
• effective digital capacity planning and development, including up-to-date organisational capabilities
• digitally competent and confident teachers and education and training staff
• high-quality learning content, user-friendly tools and secure platforms which respect privacy and ethical standards
2. Enhancing digital skills and competences for the digital transformation

This needs:

- **basic digital skills and competences** from an early age
  - digital literacy, including fighting disinformation
  - computing education
  - good knowledge and understanding of data-intensive technologies, such as artificial intelligence
- **advanced digital skills** which produce more digital specialists and also ensure that girls and young women are equally represented in digital studies and careers
New perspectives for AI in Education

By putting AI-powered learning solutions to work for all students, we can create a new model for education that is easily accessible, personal and individualized to meet the needs of any student at any level in school.

New perspectives for AI in Education

• New research into Education datasets

• Dedicated competitions within education to further developments in AI

• Updating the European Digital Competence Framework to include AI and data-related skills and support the development of AI learning Resources for schools.
“I touch the future. I teach.”

- Christa McAuliffe
Thank You

Questions?

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