

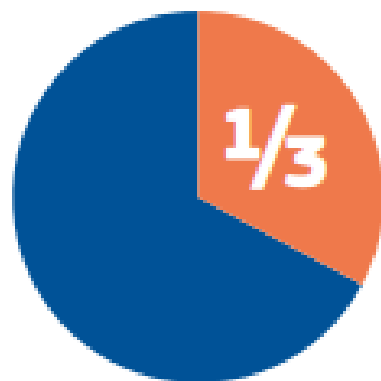
European digital education policy – working towards a robust digital education ecosystem



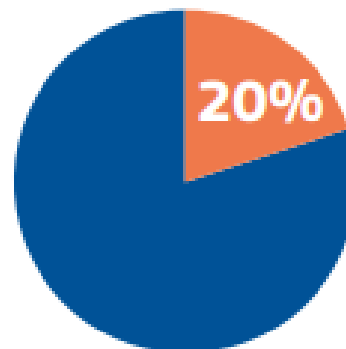
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Digital education and skills in Europe – where do we stand today?

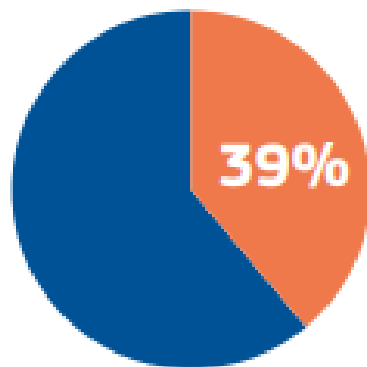
Digital education ecosystem in the EU



only around **one third of students** attend schools with strategies on how to use digital technologies in teaching and learning



less than 20% of EU students are in schools with an internet speed above 100 mbps



only **39% of teachers** feel well prepared to use digital technologies for teaching



In their Recovery and Resilience Plans, Member States have committed almost **€23 billion** to reforms and investments to promote digital education and digital skills.

Digital skills in the EU

- **43%** of 8th-graders lack basic digital skills
- Comparable to USA at 51%, but **far behind top performer Korea** at 27%
- Most countries **show a decline or no improvement** from 2018
- **Gender differences:**
 - 8th-grade: girls outperform boys by 7.9 percentage points
 - ICT specialists: women only 1/5

International Computer and Information Literacy Study, IEA, 2023

EU frameworks and Member State commitment

UNION OF SKILLS

ACTION PLAN ON
BASIC SKILLS

Digital Education
Action Plan

2021-2027

Resetting education and
training for the digital age

#EUDigitalEducation
#DEAP

STEM EDUCATION
STRATEGIC PLAN

EUROPEAN EDUCATION AREA

DIGITAL DECADE

How does the Digital Education Action Plan work?

1. Goal

High-quality and
inclusive digital education

- Fostering the development of a **high-performing digital education ecosystem**
- **Enhancing digital skills and competences** for the digital transformation

2. Strategic priorities

3. Horizontal priority

Boosting cooperation
and exchange

13 actions + The European Digital Education Hub

UNPRECEDENTED POLITICAL COMMITMENT FROM EU MEMBER STATES: TWO COUNCIL RECOMMENDATIONS ADOPTED IN NOVEMBER 2023

1. Key enabling factors for successful digital education and training

Universal access to inclusive and high-quality digital education and training, by creating a comprehensive framework for investment, governance and capacity-building.

2. Improving the provision of digital skills in education and training

An inclusive, coordinated and consistent approach to the development of digital skills by tackling the full spectrum of digital skills across all segments of the population.

Tools and actions

ALREADY AVAILABLE: A FEW EXAMPLES

❖ Supporting the development of a digital education ecosystem

- ✓ Self- assessment tools for education institutions and educators – **SELFIE**, **SELFIE for Teachers** - *7 million users from 43,000 schools in 88 countries*
- ✓ Ethical **Guidelines on the use of Artificial intelligence** and data in teaching and learning for educators - *most downloaded publication from the EU website in May 2025*
- ✓ Promoting gender equality - **Girls Go Circular** - *over 60.000 high school girls trained!*



❖ Fostering cross-sectorial cooperation and exchanges at EU level

- ✓ Digital Education Hub – *more than 6500 members*
- ✓ Digital Education Stakeholder Forum



❖ EU funding

- ✓ Erasmus+ Digital Opportunity Traineeships and Partnerships for Cooperation
- ✓ Erasmus+ Forward Looking Projects – regular digital priority (Artificial Intelligence, Disinformation, Informatics, EdTech, etc.)
- ✓ Digital Europe Programme, Connecting Europe Facility and Horizon Europe.



What's happening now and coming soon:

2025

- Second **Digital Education Stakeholder Forum** - 24 June 2025
- Update of the **Digital Competence Framework** (DigComp 2.2)
- Publish **Guidelines** for accessible, well-designed and high-quality **digital education content**
- Publish **Guidelines for teaching informatics** at primary and secondary levels
- Update of **Guidelines on tackling disinformation and promoting digital literacy**
- Update of **Guidelines on the ethical use of AI in education and training**

2026

- Digital Education in Europe **report**
- **Initiative on AI** in education and training

Guidelines on the ethical use of AI and data in teaching and learning for educators

- Original guidelines launched in 2022 in all EU languages. Downloaded more than **40 000 times**.
- **Revision:**
 - Examples and impact of AI and generative AI for education practices
 - Update on regulatory matters (in relation to the AI Act),
 - Guiding questions to consider when implementing or using AI in education
 - Hands-on, support and practical examples
- **Helping to navigate** the increasing use of AI in education, to raise awareness of the possible risks / avoid misconceptions, and develop capacity building for teachers and educational staff



Check out
our guidelines



Ongoing revision 2025 !

Guidelines on digital education content (DEC) for teachers and educators

- **Digital education content (DEC)** = learning, teaching, and assessment material in a digital format, designed for and/or created by teachers and other creators, to address a pedagogical objective.
- **Guidelines:**
 - A common vision and vocabulary on DEC
 - Actionable ideas on how to select, create, access, use, adapt, review and incorporate DEC in pedagogical approaches
 - Tips and quality criteria to help assess what constitutes trustworthy, high-quality DEC.
- Investing in educators' agency to make them well-prepared, knowledgeable, and confident in using DEC.



Ongoing progress
2025

Where do we go from here?



Review

2030 Roadmap on the future
of digital education and skills

What we've learned so far from implementing DEAP

→ **Successful in:**

- higher awareness of strategic role of digital education for resilience, democracy and competitiveness
- ongoing mainstreaming of digital in education
- increasing cooperation on specific topics (informatics, digital education content, AI, disinformation, interoperability)
- aligning national and EU policies through DEAP helps to address common challenges more effectively
- substantial funds devoted (RRF, ESF+, ERDF, Erasmus+, Digital Europe Programme) to digital education

Key themes going forward

High relevance to new EU priorities: competitiveness, preparedness, democracy

Persisting challenges:

- Attainment of digital skills, in particular **assessment** and **certification**
- Stronger digital literacy and resilience to disinformation
- Access and inclusion
- Teachers' digital competences

Emerging topics:

- Artificial intelligence in education and AI literacy
- Need for EU-based EdTech solutions (sovereignty, autonomy, data privacy, cybersecurity)
- Digital wellbeing and mental health

“Based on a review of the Digital Education Action Plan, the Commission will present a 2030 Roadmap on the future of digital education and skills to promote **equal access to digital education for all**.

A **robust EU digital education ecosystem** will prepare for the future and establish long-term partnerships with EU-based EdTech and independently developed European solutions.

An initiative on AI in education and training will lay down an AI literacy framework and support the integration of AI in education and training provision, addressing the need for online safety and **digital well-being**, tackling **disinformation** and misinformation, while promoting innovation in education.”

Adoption planned in late 2025



European
Commission

Digital Education Action Plan

2021-2027

Unlock your digital potential



Interested to know more?

Get in touch by email:

Georgi.Dimitrov@ec.europa.eu

Find out more on our webpage

Digital Education Action Plan (2021-2027) –

European Education Area (europa.eu)

Stay tuned

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