Digital Education Action Plan
2021-2027

Resetting Education and Training for the Digital Age

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Digital Education Action Plan (2021-2027)

Adoption date: 30 September 2020
Political Context

- Political guidelines of the President von der Leyen
- A Europe fit for the Digital Age
- Digital Education Action Plan (2018-2020)
- COVID-19 pandemic and upsurge in distance and online learning
- Next Generation EU

Key enabler for **European Education Area** and the new **Skills Agenda**
Stakeholder consultations

- **Extensive targeted stakeholder consultations** (March-September);
- **Outreach events** with participation at highest political level;
- **Open Public Consultation** on the lessons learnt from the COVID-19 crisis (18 June - 4 September) targeting **all parts of the society**.
Open Public Consultation

+ 136 position papers
+ 59 replies to the Roadmap

60 countries

85% & 15%
Main findings

- The COVID-19 crisis led to the first experience of distance and online learning for many educators, education and training staff and learners;
- Digital capacity as a key element, leading to faster and better responses (e.g. HEIs vs schools/VET);
- Different perception between education and training staff and parents and learners, with the first ones being more positive of the effectiveness of the measures;
- The COVID-19 crisis as a turning point for the use of technology in education (90%);
- Deepening socioeconomic inequalities and creating new divides as a main concern;
- Support for mental health as a crucial emerging need;
- Importance of digital competence for the labour market.

“The situation at the moment is a patchwork. Online teaching must be the same quality for everyone and not be linked to the financial resources of a town or municipality.”
— Parent
Where can the EU add value?

➢ Teacher competence development and training (51%)
➢ Connectivity and infrastructure (43%)
➢ Support for education and training institutions to develop digital education strategies/plans (42%)
➢ Measures for disadvantaged groups (41%)
➢ High-quality European online resources (37%)

More cooperation among stakeholders as a key finding across OPC and stakeholder consultations.

The key lesson of the COVID-19 crisis is that digital education should no longer be viewed as an island of its own but considered an integral part of all education and training.”

— Teacher
Key aspects of Action Plan

- An **integrated approach** for technology use in education and improving digital skills;
- **Extended scope** - beyond formal education and including **lifelong learning**;
- **Longer duration** - 2021-2027, aligned with the programming period of the EU;
- Digital education as a **strategic priority** for a Europe fit for the digital age;
- Important for **Recovery and Resilience Plans of Member States**;
- **Better synergies between funding instruments** (Erasmus, Horizon Europe, Digital Europe Programme, ESF, ERDF, InvestEU, Recovery and Resilience Funds).
Guiding principles

- **High quality** and inclusive digital education as a strategic goal throughout education and training;
- Transforming education for the digital age is a **task for the whole of society**;
- **Equality, accessibility and inclusiveness**;
- **Connectivity, equipment, organisational** capacity and skills are vital;
- **All teachers and trainers** need to be competent and confident users of technology;
- **Education leaders** play a key role in digital education.

Digital literacy is **essential**:

- **basic digital skills** are a must for life and work;
- **advanced digital skills** are crucial for digital transformation of society and the economy.

- **High-quality education content** to boost the relevance, quality and inclusiveness of European education and training at all levels
## Strategic priorities

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<thead>
<tr>
<th>Priority Area</th>
<th>Objectives</th>
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<tr>
<td>Fostering the development a high performing digital education ecosystem</td>
<td>o  Boosting peer learning and policy cooperation</td>
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<td>o  Investing in infrastructure and connectivity</td>
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<td>o  Fostering digital capacity building</td>
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<td>o  Supporting high-quality and inclusive digital education</td>
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<td>Enhancing digital skills and competences for the digital transformation</td>
<td>o  Fostering the development of digital competence</td>
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<td>o  Promoting digital literacy for informed choices as citizens</td>
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<td>o  Boosting the development of advanced digital skills</td>
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## Actions of Priority 1

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<th>Priority Area</th>
<th>Actions</th>
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<tr>
<td><strong>Fostering the development of a high performing digital education ecosystem</strong></td>
<td>Enabling factors for successful digital education</td>
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<td>Online and Distance Learning for Primary and Secondary Education</td>
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<td>European Digital Education Content Framework and European Exchange Platform</td>
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<td>Support for connectivity and digital equipment for education</td>
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<td>Digital transformation plans and digital pedagogy and expertise</td>
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<td>Ethical guidelines on AI for educators</td>
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## Actions of Priority 2

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<th>Priority Area</th>
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<td>Enhancing digital skills and competences for the digital transformation</td>
<td>Tackling disinformation and promoting digital literacy through education and training</td>
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<td>Digital Competence Framework update</td>
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<td>European Digital Skills Certificate</td>
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<td>Improving the provision of digital skills in education and training</td>
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<td>Digital competence benchmark</td>
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<td>Digital Opportunity Traineeship</td>
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<td>Women’s participation in STEM</td>
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Relevant actions and key areas of cooperation
Vision for computing and informatics education

- To thrive in a technology-driven economy and overcome the COVID-19 crisis, Europe needs a **digitally competent workforce** and a **growing digital talent pool**;

- Computing and informatics education as a **tool to boost digital competence**;

- Intertwined with **digital literacy, critical thinking, problem solving**;

- Bringing **societal, economic, pedagogical benefits**.
Objective: provide a coherent vision and shared language on providing high quality computing and informatics education to all students in Europe.

Key activities:

- Exchange of best practice on instructional methods, including inclusive high-quality computing and informatics education at all levels of education;
- Promote the use of EU tools to address needs on teacher professional development;
- Foster dialogue with industry on identifying and updating new and emerging skills needs, in synergy with the Skills Agenda.
Updating the European Digital Competence Framework

- **Framework for digital competence currently covering 5 areas (8 proficiency levels):**

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<th>Safety</th>
<th>Problem solving</th>
<th>Digital content creation</th>
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<td>Information and data literacy</td>
<td>Communication and collaboration</td>
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- **Objective:** empower educators and individuals to become confident and competent users of digital technologies by improving the understanding of AI.

- **Key activities:**
  
  - Include AI and data-related competences in the Digital Competence Framework
  
  - Provide reference for the role of AI in teaching and learning
  
  - Make AI learning resources available for schools, VET organizations and other training providers
Stronger coordination and cooperation at EU level

European Digital Education Hub:

- **Support** a network of national advisory services to exchange experience and good practice, **link** national and regional digital-education initiatives and strategies and stakeholders;

- **Monitor** the implementation of the Action Plan and the development of digital education in Europe and **share good practices** by contributing to research experimentation and systematic collection and analysis of empirical evidence;

- **Cross-sector collaboration** and **new models for the exchange** of digital learning content, including common standards for digital education;

- Agile development of policy and practice in digital education by being a **think-and-do-tank** and engaging stakeholders in **user-driven innovation** through the Digital Education Hackathon.
Any questions? Thank You!

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#DEAP
#EUDigitalEducation