EDUCATION IN THE DIGITAL ERA

INNOVATION IN EDUCATION – HOW ARE DIGITAL TECHNOLOGIES CONTRIBUTING?

MARC DURANDO
INNOVATION IN EDUCATION – A COMPLEX PROCESS

School vision

Autonomy - curriculum flexibility

Pedagogy

Potential adoption of innovations

Technology

Learning spaces

Cloud computing BYOD - eSafety

Flipped classroom Individualisation “In and out school”

TBI - 1:1 – tablets Mobile learning

Digital books OER – Open Educational Resources

Computers and Internet access Learning analytics

Teaching

Educational systems

Curriculum

Assessment

INNOVATION IN EDUCATION – A COMPLEX PROCESS
A STILL CONSERVATIVE ASSESSMENT

Teachers encourage students to work together, to use technology, to be creative.

Paradox

Students are expected to demonstrate what they have learned by sitting in a row and completing a summative assessment in isolation.
PEDAGOGY AND TECHNOLOGY

If we define pedagogy properly and incorporate technology accordingly, learning will become simpler, deeper and more engaging.

Never think about technology without considering the teachers. Only teachers together with technology can make the difference.
WHAT IS EUROPEAN SCHOOLNET DOING?
VISION: Transforming Education in Europe.

MISSION: Support ministries of education, schools, teachers and relevant education stakeholders in Europe in the transformation of education processes for 21st century digitalized societies.

AREAS OF WORK:

- Providing concrete evidence and data in the area of innovation in education on which to base policy recommendations
- Supporting schools and teachers in their teaching practices
- Developing and sustaining a network of schools engaged in innovative teaching and learning approaches
EVIDENCE-BASED ACTIVITIES

Focus on specific topics and data
- European Schoolnet Perspectives series

Policy experimentations
- MENTEP on teachers digital skills assessment
- CO-LAB on collaborative approaches
- TeachUp on online teacher training in new competences

Browse ICT national developments
- Country reports on ICT in education

Working Groups
- Interactive Classroom
- Digital competence and citizenship
- Indicators in education
- STEM education

Subcommittees
- Learning Resource Exchange
- Policy and Innovation – Study visit programme
SUPPORT TO SCHOOLS AND TEACHERS

School networking

The community for schools in Europe. The free and safe platform for teachers to connect, develop collaborative projects and share ideas in Europe.

500K teachers – 2 million pupils
182K schools – 61K projects

www.etwinning.net

STEM (Science, Technology, Engineering and Maths)

Industry and Education come together to improve Science, Technology, Engineering and Mathematics in Europe.

www.stemalliance.eu

Digital citizenship

To empower young people to use the internet safely

www.betterinternetforkids.eu

www.scientix.eu
Fully equipped, reconfigurable and inspirational learning environment, helping rethink the role of pedagogy and technology.

Explore the essential elements in delivering 21st century learning: students’ and teachers’ skills and roles, learning styles, learning environment design, current and emerging ICT solutions, and societal trends affecting education.
The European Schoolnet Academy - a platform offering free MOOCs for teachers focusing on innovation in the school and classroom.

www.EuropeanSchoolnetAcademy.org

@eunacademy #EUNAcademy
10 KEY AREAS OF EDUCATION

- Digital Citizenship (fake news, digital competences, …)
- Skills and employment (STEM, …)
- Whole school change
- School Networking
- Formal, non-formal and informal learning
- Innovative teacher education (FCL, EUN Academy, ITE, …)
- Assessment
- Education technology
- Pilot and demonstration projects
- Large scale deployment

Life and work skills for today and tomorrow

New teaching practices

Schools as evolving organisations

Innovation at scale
FOUR PRIORITIES FOR EUROPEAN SCHOOLNET AND ITS MINISTRIES

1. Media and digital literacy
2. Digital competence
3. Digitalization of education
4. Digital citizenship education

- Developing (shared) leadership approaches in school
- Linking formal, non formal and informal learning opportunities
- Connecting the school and wider community - industry-education STEM initiatives
- New flexible learning spaces - Future Classroom Lab

- Teacher professional development
- Initial teacher education
- European Schoolnet Academy

- Supporting learners to become active and responsible citizens in a digital society
- Capacity building of teachers
- New learning environments
- Scaling innovation

- Pilot and demonstration projects
- Defining appropriate innovative eco-systems to support large scale deployment
- Associating territorial authorities (regions, cities)
CONCLUSION
DIGITAL TECHNOLOGY - OPPORTUNITY TO REVIEW PROFESSIONAL PRACTICES

- Clear objectives to integrate the pedagogical use of ICT accompanied by training for all stakeholders
- Embrace the digital transition as part of a whole school approach
- Enlighten teaching practice with new insights from research
  - Develop new assessment criteria
  - Build trust at all levels
  - Engage practitioners in a reflective process and in research
- Increase the desire to learn
- Rediscover the joy of teaching

Repenser la forme scolaire à l’heure du numérique – Catherine Becchetti-Bizot