





CURRENT SITUATION

- Almost EVERY job today requires digital skills
- Competition between specialists is no longer national, but between regions of the world
- Digital competence is the key to professional success and essential for a future-proof economy







LET'S GET A MOVE ON!

CHALLENGES OF TODAY

- On the road to the digital age, a significant proportion of young people have been left behind
- Digitalization takes place largely outside of school
- Responsible use of media is not being taught at the workplace







WHAT CHILDREN HAVE TO LEARN

Lower school:

- Working with digital devices
- Learning Internet research













WHAT CHILDREN HAVE TO LEARN

Middle school:

- Digital communication and collaborative learning
- Structured presentations
- Critical use of digital media
- Identifying good and less reliable sources













WHAT CHILDREN HAVE TO LEARN

Upper school:

- > Preparation for university & career
 - → How to use applications and opportunities wisely
- Working with modern presentation techniques













WHAT STUDENTS HAVE TO LEARN

University:

- Education and research with modern technologies
- Practical implementation of theory through tests and studies
- Networking









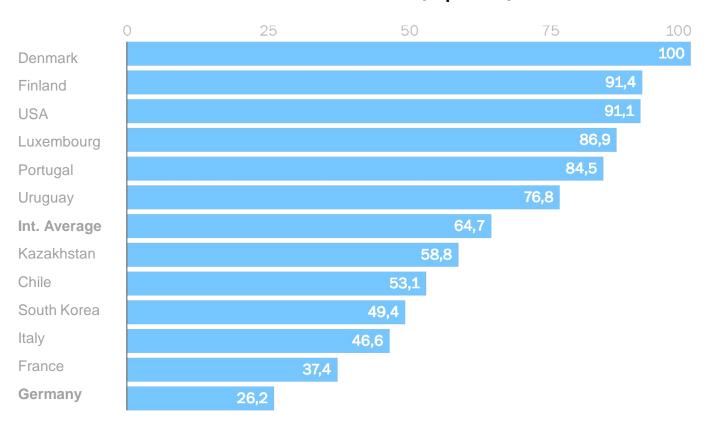


WI-FI IN SCHOOLS

PRE-COVID

- Wi-Fi availability seen as a measurement for digitalization (not WAN access)
- Wi-Fi access is needed for researching materials and information on the Internet

Wi-Fi access in schools for teachers and students (in percent)



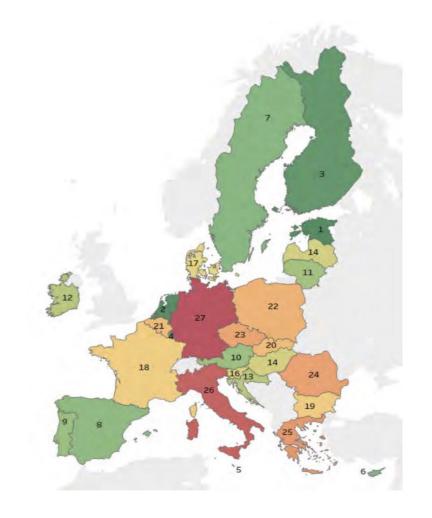
Grafik: Tsp/Gitta Pieper-Meyer • Quelle: IEA: International Computer and Information Literacy Study 2018



HOME-SCHOOLING

DURING COVID

- Lack of digitalization, caused slow up-take on home-schooling
- Educational policies of the past years are clearly recognized
- Urgent actions are required to avoid long-term issues



Source: Authors' elaboration based on index calculations.





SUMMARY

WE HAVE TO CATCH UP!

- Digital education has been neglected; particular in Germany
- Modern teaching to promote professional and social competencies requires digital education
- Specialized IT equipment for establishing digital competence is essential







DIGITALPAKT SCHULE

GERMAN EDUCATION IT NETWORK FUNDING (2020-2025)

Governmental funding

Split € 4,200,000,000,- in 2019 – 2021

€ 2,900,000,000,- in 2021 - 2025

Divided over

Bundesländer 16 Schools 33.000 Decisionmakers 2.400

→ approx. € 525,00 per pupil







OTHER COUNTRIES

DIGITALIZATION INITIATIVES

SLOVENIA

- > Country-wide Wireless LAN coverage at primary and secondary schools since 2010
- > Based on Eduroam
- Uncomplicated internet access even at remote areas

LUXEMBOURG

- > Country-wide Every primary, secondary and tertiary school => libraries
- > Based on Eduroam
- Cost-savings due to standardization

AUSTRIA

- > 8-point program has been developed
- Waiting for go-alive









de l'éducation













INITIATIVE "EDUCATION ROAMING"

- Location-independent Wi-Fi usage from pupils to student; teachers and scholars.
- > Worldwide presence at educational institutions
- Available since 2002; co-funded by EU
- Governance via GÉANT







JAN BUIS

HEAD OF "COMPETENCE CENTER PUBLIC SECTOR"

