STUDENTS IN THE DIGITAL AGE
Current State of Play
Assessing students' computer & information literacy skills

IEA International Computer and Information Literacy Study (ICILS) is a global study assessing students' computer & information literacy skills

60,000 STUDENTS
35,000 TEACHERS
3,300 SCHOOLS
21 EDUCATION SYSTEMS ACROSS THE WORLD[1]

In schools, there are on average
18 students per computer:

2 IN NORWAY → **80** IN TURKEY

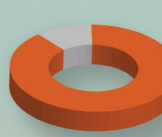**99%** OF SCHOOLS HAVE INTERNET CONNECTION
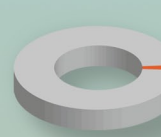
Are students digital natives?

Most students think they are experienced ICT users

36% have been using computers since they were 6.5 years old or younger
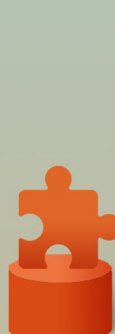
89% feel confident to find information on the internet

2% critical thinking while searching for information on line

84% at least Level 1
knowledge of basic software
- 98% Czech Republic
- 95% Norway
- 94% Australia

61% at least Level 2
basic use of computers as information source
- 85% Czech Republic
- 76% Australia
- 76% Norway

23% at least Level 3
sufficient knowledge and skills of ICT for information gathering and use
- 37% Czech Republic
- 35% Korea
- 34% Australia

2% Level 4
critical thinking while searching for information on line
- 5% Korea
- 4% Australia, Poland
- 3% Czech Republic, Norway

AT SCHOOL
(at least once a month)
- **45%** Preparing essays
- **44%** Preparing presentations
- **40%** Working with other students at the same school
- **39%** Completing school exercises
- **30%** Organizing time and work
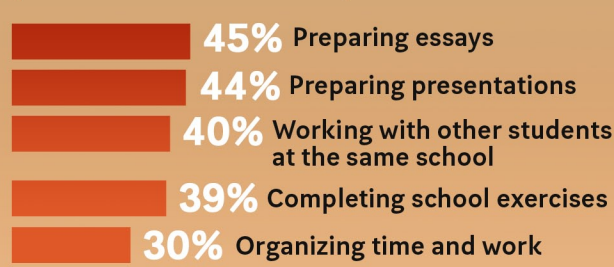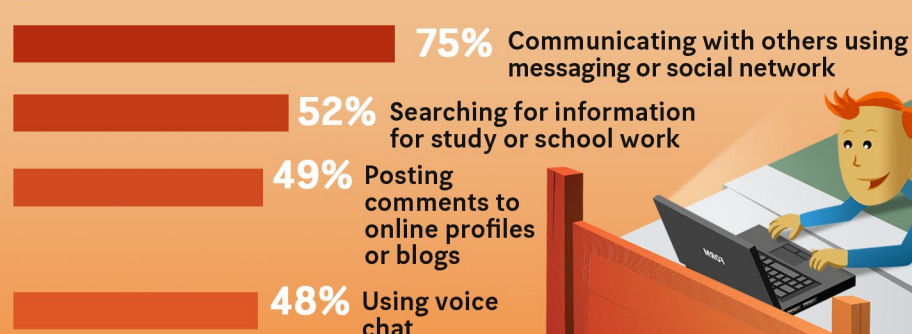
87% of students use computers at home

54% of students use computers at school
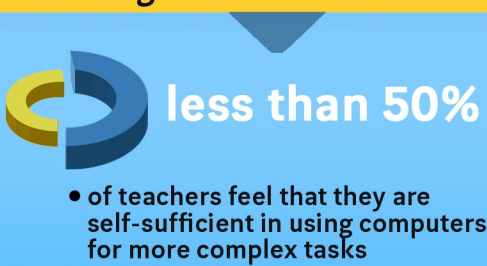
AT HOME
(at least once a week)
- **75%** Communicating with others using messaging or social network
- **52%** Searching for information for study or school work
- **49%** Posting comments to online profiles or blogs
- **48%** Using voice chat

Are teachers digitally savvy?

Years of experience in using computers for teaching purposes
- 84% >2 Year
- 5% <1 Year
- 11% <2 Year
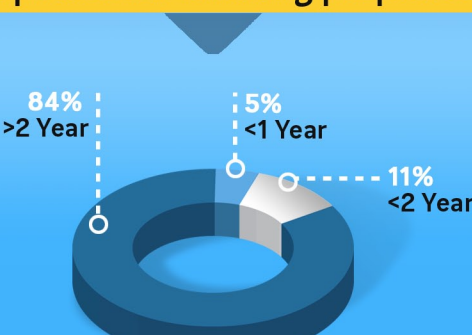
How do they get their ICT skills?
- **46%** by observing other teachers using ICT in teaching
- **33%** introductory course on general applications
- **22%** by following advanced class on the same subject

How confident are teachers in using ICT?

less than 50%
- of teachers feel that they are self-sufficient in using computers for more complex tasks

They feel more confident when
- finding useful teaching ressources on the internet
- using word
- emailing a file as an attachment

They feel the least confident when
- installing software
- collaborating with others
- taking part in discussion forums

When teaching only
- **4%** use social media
- **3%** use simulation and modeling software
- **5%** use digital learning games

Are national policies ICT friendly?

Most countries are supportive of using ICT in education.
18 education systems have plans or policies regarding the use of ICT in education at either the national, state, or provincial level.

Students	Teachers
Most policies and plans find the following aspects important:	
• preparing students to use ICT as a learning tool • development of information literacy • development of ICT-based skills in critical thinking • collaboration and communication	• in-service teacher education in ICT use • preservice teacher education • learning management systems • reporting to parents

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