International Computer and Information Literacy Study (ICILS 2023)

Main Study

OMB #1850-0929 v.11

Appendix B

Survey Questionnaires

Submitted by

National Center for Education Statistics

U.S. Department of Education

November 2021

revised December 2022

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**INTERNATIONAL COMPUTER AND INFORMATION LITERACY STUDY**

**(ICILS) 2023**

*Student, Teacher, ICT Coordinator, and Principal Questionnaires*

# PAPERWORK BURDEN STATEMENT

The Paperwork Reduction Act and the NCES confidentiality statement are indicated below. Appropriate sections of this information are included in the consent forms and letters. The statements will be included in the materials used in the study.

**Paperwork Burden Statement, OMB Information**

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0929. The time required to complete this information collection is estimated to average [X minutes] per [*respondent type*], including the time to review instructions [*, search existing data resources, gather the data needed,*] and complete and review the information collection.

If you have any comments concerning the accuracy of the time estimate, suggestions for improving this collection, or any other concerns, please write to: International Computer and Information Literacy Study (ICILS), National Center for Education Statistics, Potomac Center Plaza, 550 12th St., SW, 4th floor, Washington, DC 20202.

**This is a project of the National Center for Education Statistics (NCES), part of the Institute of Education Sciences, within the U.S. Department of Education.**

All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

OMB No. 1850-0929 Approval Expires XX/XX/202X

# INTRODUCTION TO THE ASSESSMENT

As documented in Volume 1, the 2023 ICILS main study includes student assessment modules and the following questionnaires asked of students, teachers, ICT coordinators, and principals.

# SURVEY QUESTIONNAIRES

Students will take a questionnaire during the ICILS Main Study in addition to the assessment modules. Included here are 2023 ICILS draft international versions of the student, teacher, ICT coordinator, and principal questionnaires. These questionnaires have been adapted for language and education context specific to the U.S. and are waiting for approval from IEA.

1. ICILS 2023 Main Study Student Questionnaire (all questions)

**INTERNATIONAL** **COMPUTER AND INFORMATION LITERACY STUDY**

**(ICILS) 2023**

*Student Questionnaire*

Main Survey

**For Official Use**

***Prepared by:***

IEA

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Description automatically generated with low confidence

# Introduction

In this questionnaire you will answer questions about yourself and about your use of Information and Communication Technology (ICT).

In this questionnaire ICT can refer to:

* Computers (including desktop, laptop, Chromebook, and tablet devices)
* Smartphones, except when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text

You will find questions about:

* You, your home, and your family
* Where and how often you use ICT
* What you use ICT for
* Your views about the use of ICT

You will be asked some questions about using ICT when you do your *schoolwork*.

*Schoolwork* refers to:

* Any work you are required or choose to do for the subjects you study at school.
* Work given to you by your teachers, or other work you do (such as additional reading or practice exercises) that helps you to learn or study in any of your school subjects.
* Work you do when you are at school and work you do when you are at home, or any other place outside of school.

Please read each question carefully and answer as accurately as you can. In this questionnaire, you will mostly answer by clicking on a button or selecting an option from a dropdown menu. You can change your responses at any time until you have clicked on ‘I’ve finished’ at the end of the questionnaire. After this point, you can no longer change any of your answers.

There are also a few questions where you will need to write a short response.

**In this questionnaire, there are no right or wrong answers. Select the answers that apply to you.**

You may ask for help if you do not understand something or if you are not sure how to answer a question.

**All your answers will be kept confidential.**

*The National Center for Education Statistics (NCES), within the U.S. Department of Education, conducts ICILS in the United States as authorized by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).*

*According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0803. The time required to complete this information collection is estimated to average 30 minutes per student, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments or concerns regarding the accuracy of the time estimate(s), suggestions for improving the form, or questions about the status of your individual submission of this form, write directly to: International Computer and Information Literacy Study (ICILS), National Center for Education Statistics, Potomac Center Plaza (PCP), 550 12th St., SW, 4th floor, Washington, DC 20202.*

*OMB No. 1850-0803, Approval Expires XX/XX/XXXX.*

About You

|  |  |  |
| --- | --- | --- |
|  | 2018: Q1 - 2023: Field trial Q1 |  |
| Q1 | When were you born? | |
|  | Month (January – December) {Radio buttons for each of the 12 months} | |
|  | Year (2002 – 2013) {Radio buttons for each of the 12 years} | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q2 - 2023: Field trial Q1 | | |  |
| Q2 | What is your gender? | | | |
|  | Female | Male |
|  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Q3** | **Are you Hispanic or Latino?** | | |
|  | *(Please mark only one choice)* | | |
|  | Yes, I am Hispanic or Latino |  |  |
|  | No, I am not Hispanic or Latino |  |  |

|  |  |  |
| --- | --- | --- |
| **Q4** | **Which of the following best describes you?** |  |
| *(Please mark all choices that apply)* |  |
| American Indian or Alaska Native | **◼** |
| Asian | **◼** |
| Black or African American | **◼** |
| Native Hawaiian or other Pacific Islander | **◼** |
| White | **◼** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q3 - 2023: Field trial Q3 | | |  |
| Q5 | What is the highest level of education you expect to complete? | | | |
|  | (Please mark one choice only) | | | |
|  | Bachelor's degree (4-year college program) OR Master's degree or professional degree (MD, DDS, lawyer, minister) OR Doctorate (Ph.D. or EdD) |  |  | |
|  | Associate's degree (2-year college program) |  |  | |
|  | High school graduate |  |  | |
|  | Some high school |  |  | |
|  | I do not expect to complete high school |  |  | |

Your Home and Your Family

In this section you will be asked some questions about your home and your family.

Some of these questions will be about your home and your parents or guardians who look after you — for example, step-parents or foster-parents. Select one parent or guardian as parent or guardian 1 and the other as parent or guardian 2.

If you share your time with more than one set of parents or guardians, please answer the following questions for those parents or guardians with whom you spend the most time. If you spend your time with one parent only, please answer the following questions for this parent only (as parent or guardian 1).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q4 - 2023: Field trial Q4 | | | |  |
| Q6 | In what country were you and your parents or guardians born? | | | | |
|  | (Please mark one choice in each **column**) | | | | |
|  |  | You | parent or guardian 1 | parent or guardian 2 | |
|  | United States |  |  |  | |
|  | Another country |  |  |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q5 - 2023: Field trial Q5 | | |  |
| Q7 | What language do you speak at home most of the time? | | | |
|  | (Please mark one choice only) | | | |
|  | English |  |  | |
|  | Spanish |  |  | |
|  | Another language |  |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q6 - 2023: Field trial Q6 | | |  |
| Q8 | Does your parent or guardian 1 work in a paid job? | | | |
|  | Yes |  |  | |
|  | No |  |  | |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q7a - 2023: Field trial Q7a |  |
| Q9a | What is your parent or guardian 1’s main job? | |
|  | (Please write his/her job title, e.g., high school teacher, kitchen hand, sales manager, etc.) | |
|  |  | |
|  | 2018: Q8a 2023 Field trial 8a |  |
| Q10a | What does your parent or guardian 1 do in his/her main job? | |
|  | (Please write a sentence to describe the kind of work he/she does in that job, e.g., teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team, etc.) | |
|  |  | |
|  |  | |

|  |  |  |
| --- | --- | --- |
|  | 2018: 7b 2023 Field trial 7b |  |
| Q9b | What was your parent or guardian 1’s last main job?   *(Please write the job title, e.g., high school teacher, kitchen hand, sales manager, etc. Or, if he/she has never had a paid job, please write what he/she is currently doing)* | |
|  |  | |
|  |  | |
|  | 2018: 8b 2023 Field trial 8b |  |
| Q10b | What did your parent or guardian 1 do in his/her last main job? | |
|  | (Please write a sentence to describe the kind of work he/she did in that job, e.g., taught high school students, helped the cook prepare meals in a restaurant, managed a sales team, etc. Or what he/she is currently doing if he/she has never had a paid job) | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q9 - 2023: Field trial Q9 | | |  |
| Q11 | What is the highest level of education completed by your parent or guardian 1? | | | |
|  | If you are not sure which box to choose, please ask the test administrator for help.  (Please mark one choice only) | | | |
|  | Bachelor's degree (4-year college program) OR Master's degree or professional degree (MD, DDS, lawyer, minister) OR Doctorate (Ph.D., or EdD) |  |  | |
|  | Associate's degree (2-year college program) |  |  | |
|  | High school graduate |  |  | |
|  | Some high school |  |  | |
|  | He/she did not complete high school |  |  | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q10 - 2023: Field trial Q10 | | |  |
| Q12 | Does your parent or guardian 2 work in a paid job? | | | |
|  | Yes |  |  | |
|  | No |  |  | |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q11a - 2023: Field trial Q11a |  |
| Q13a | What is your parent or guardian 2’s main job? | |
|  | (Please write his/her job title, e.g., high school teacher, kitchen hand, sales manager, etc.) | |
|  |  | |
|  | 2018: Q12a 2023 Field trial 12a |  |
| Q14a | What does your parent or guardian 2 do in his/her main job?  *(Please write a sentence to describe the kind of work he/she does in that job, e.g., teaches high school students, helps the cook prepare meals in a restaurant, manages a sales team, etc.)* | |
|  |  | |
|  |  | |
|  | 2018: Q11b - 2023: Field trial Q11b |  |
| Q13b | What was your parent or guardian 2’s last main job?  *(Please write his/her last job title, e.g., high school teacher, kitchen hand, sales manager, etc. Or, if he/she has never had a paid job, please write what he/she is currently doing)* | |
|  |  | |
|  | 2018: Q12b - 2023: Field trial Q12b |  |
| Q14b | What did your parent or guardian 2 do in his/her last main job?  *(Please write a sentence to describe the kind of work he/she did in that job, e.g., taught high school students, helped the cook prepare meals in a restaurant, managed a sales team, etc. Or what he/she is currently doing if he/she has never had a paid job)* | |
|  |  | |

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| --- | --- | --- | --- | --- |
|  | 2018: Q13 - 2023: Field trial Q13 | | |  |
| Q15 | What is the highest level of education completed by your parent or guardian 2? | | | |
| If you are not sure which level to choose, please ask the test administrator for help.  (Please mark one choice only) | | | | |
|  | Bachelor's degree (4-year college program) OR Master's degree or professional degree (MD, DDS, lawyer, minister) OR Doctorate (Ph.D., or EdD) |  |  | |
|  | Associate's degree (2-year college program) |  |  | |
|  | High school graduate |  |  | |
|  | Some high school |  |  | |
|  | He/she did not complete high school |  |  | |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q14 - 2023: Field trial Q14 | |  |
| Q16 | About how many books are there in your home? | | |
| Do not count magazines, newspapers, comic books, ebooks, or your schoolbooks. | | | |
| (Please mark one choice only) | | | |
|  | None or very few (0–10 books) |  | |
|  | Enough to fill one shelf (11–25 books) |  | |
|  | Enough to fill one bookcase (26–100 books) |  | |
|  | Enough to fill two bookcases (101–200 books) |  | |
|  | Enough to fill three or more bookcases (more than 200 books) |  | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| New for 2023 - 2023: Field trial Q15b | | | | | | |
| Q17 | The quality of your home Internet connection | | | | | |
| (Please mark one choice in each row) | | | | | | |
|  |  | There is **no** Internet connection in my home. | Never or almost never | At least once a week but not every day | Once a day | More than once a day |
| **(a)** | How often does the Internet connection in your home cut off (disconnects for 5 minutes or longer) and this makes it difficult for you to do your schoolwork? |  |  |  |  |  |
| **(b)** | How often is the Internet connection in your home so slow that it makes it difficult for you to do your schoolwork? |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q15 - 2023: Field trial Q16a | | | | |  | |
| Q18a | How many of the following ICT devices are currently used in your home? | | | | | | |
|  | (Please mark one choice in each row) | | | | | | |
|  |  | None | One | Two | Three or more | |
| **(a)** | Desktop or laptop computers |  |  |  |  | |
| **(b)** | Tablet devices (e.g., iPad, Surface Pro, Kindle) |  |  |  |  | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q16b | | | | |
| Q18b | Can you access the following ICT devices at home whenever you need to use them for your schoolwork? | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Never | Sometimes | Most times | Always |
| **(a)** | Desktop or laptop computer |  |  |  |  |
| **(b)** | Tablet device (e.g., iPad, Surface Pro, Kindle) |  |  |  |  |
| **(c)** | Smartphone |  |  |  |  |

Your general use of ICT

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q16 - 2023: Field trial Q17 | |  |
| Q19 | How long have you been using computers (including desktop, laptop, Chromebook, and tablet devices)? | | |
|  | (Please mark one choice only) | | |
| **(a)** | Less than a year |  | |
| **(b)** | At least 1 year but less than 3 years |  | |
| **(c)** | At least 3 years but less than 5 years |  | |
| **(d)** | At least 5 years but less than 7 years |  | |
| **(e)** | 7 years or more |  | |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Q20 | How often do you use ICT in these places? | | | | | | | | |
| Please do not count the use of smartphones when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text.  (Please mark one choice in each row) | | | | | | | | | |
| On school days | | | | | | | | | |
|  |  | Never | Less than once a month | At least once a month but not every week | At least once a week but not every day | **Every day**, less than one hour | **Every day**, at least one hour but less than two hours | **Every day**, at least two hours but less than three hours | **Every day**, three hours or more |
| **(a)** | At school for schoolwork |  |  |  |  |  |  |  |  |
| **(b)** | At school for other purposes |  |  |  |  |  |  |  |  |
| **(c)** | Outside of school for schoolwork |  |  |  |  |  |  |  |  |
| **(d)** | Outside of school for other purposes |  |  |  |  |  |  |  |  |
| On non-school days (e.g., weekends and holidays) | | | | | | | | | |
| Please do not count the use of smartphones when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text.  (Please mark one choice in each row) | | | | | | | | | |
|  |  | Never | Less than once a month | At least once a month but not every week | At least once a week but not every day | **Every day**, less than one hour | **Every day**, at least one hour but less than two hours | **Every day**, at least two hours but less than three hours | **Every day**, three hours or more |
| **(e)** | Outside of school for schoolwork |  |  |  |  |  |  |  |  |
| **(f)** | Outside of school for other purposes |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | | | | | |
| **Q21** | **Do your parents or guardians place a limit on the amount of screen time/ time you are allowed to be looking at screens (e.g., computer, tablet device, phone and television) when you are not at school?** | | | | | | |
|  | *(Please mark one choice for school days and one choice for non-school days)* | | | | | | |
|  | **On school days** | | | **On non-school days (e.g., weekends and holidays)** | | | |
|  | Yes – and it includes the time I spend doing schoolwork on a screen | |  | Yes – and it includes the time I spend doing schoolwork on a screen | |  | |
|  | Yes – but it does not include the time I spend doing schoolwork on a screen | |  | Yes – but it does not include the time I spend doing schoolwork on a screen | |  | |
|  | No – there is no limit | |  | No – there is no limit | |  | |
| **Q22a** | | **To what extent have you learned how to do the following Internet-related tasks at school and outside of school?** | | | | | | |
|  | | *(Please use the dropdown menus to select one option for* ***At school*** *and one option for* ***Outside of school****)* | | | | | | |
|  | |  | | | At school | | Outside of school | |
| **(a)** | | Use the Internet to find information (e.g., by using websites, databases, archives, digital libraries, search engines) | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |
| **(b)** | | Refine Internet searches, so the results better match what you are looking for | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |
| **(c)** | | Evaluate the reliability (trustworthiness) of information on the Internet | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |
| **(d)** | | Include accurate references to Internet sources | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |
| **(e)** | | Judge whether a message from someone is a scam (e.g., a message that tricks you into downloading a virus) | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |
| **(f)** | | Manage privacy settings for Internet accounts and ICT devices (e.g., control who can contact you and what information about you is shared with advertising companies) | | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | |

|  |  |  |  |
| --- | --- | --- | --- |
| New for 2023 - 2023: Field trial Q21b | | | |
| **Q22b** | **To what extent have you learned how to do the following ICT tasks at school and outside of school?** | | |
|  |  | | |
|  | *(Please use the dropdown menus to select one option for* ***At school*** *and one option for* ***Outside of school****)* | | |
|  |  | At school | Outside of school |
| **(a)** | Organize files (such as documents or media) stored on a digital device | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |
| **(b)** | Edit the layout and formatting of documents or slideshow presentations | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |
| **(c)** | Edit digital media files including any of images, photos, animations, or videos | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |
| **(d)** | Complete calculations using a spreadsheet | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |
| **(e)** | Create computer programs using a visual programming editor (e.g., Alice, GameMaker, Kodu, Lego Mindstorms, MIT App Inventor, Scratch) | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |
| **(f)** | Write computer programs using a text-based programming language (e.g., Python, JavaScript, Lua, Swift) | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all | **Dropdown options:**  To a large extent, To a moderate extent, To a small extent, Not at all |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **New for 2023 - 2023: Field trial Q21c** | | | | |
| **Q22c** | **To what extent have you learned about the following topics at school?** | | | | |
|  | *(Please mark one choice in each row)* | | | | |
|  |  | To a large extent | To a moderate extent | To a small extent | Not at all |
| **(a)** | Responsible and respectful use of social media (including the use of images and personal information) |  |  |  |  |
| **(b)** | How to recognize cyberbullying |  |  |  |  |
| **(c)** | How to report cyberbullying |  |  |  |  |
| **(d)** | Physical health and ICT use |  |  |  |  |
| **(e)** | Psychological health and ICT use |  |  |  |  |

Your experience of using ICT to do schoolwork

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q23 | | | | | |  |
| **Q23** | **Outside of school, how often do you do the following activities not related to your schoolwork at the same time as doing your schoolwork?** | | | | | | |
|  | *(Please mark one choice in each row)* | | | | | | |
|  |  | *Never* | *Almost never* | *Sometimes* | *Often* | *Very often* | |
| **(a)** | Text chat with others (with any device including smartphones) |  |  |  |  |  | |
| **(b)** | Use social media (e.g., Instagram, TikTok Snapchat) to post or view content |  |  |  |  |  | |
| **(c)** | Check social media for new posts or responses to my posts |  |  |  |  |  | |
| **(d)** | Use the Internet to find information about things that interest me |  |  |  |  |  | |
| **(e)** | Watch online videos, live streams or television (e.g., YouTube, Twitch, Netflix). |  |  |  |  |  | |
| **(f)** | Listen to music, podcasts, or the radio (on any device) |  |  |  |  |  | |

| Q24 | At school, how often do you use ICT during lessons in the following subjects or subject areas? | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
|  | (Please mark one choice in each row) | | | | | |
|  |  | I do not study this subject / these subjects | Never | In some lessons | In most lessons | In every or almost every lesson |
| **(a)** | English Language Arts | **n** | **n** | **n** | **n** | **n** |
| **(b)** | Spanish or other foreign language | **n** | **n** | **n** | **n** | **n** |
| **(c)** | Mathematics | **n** | **n** | **n** | **n** | **n** |
| **(d)** | Sciences (general science and/or physics, chemistry, biology, geology, earth sciences) | **n** | **n** | **n** | **n** | **n** |
| **(e)** | Human sciences /Humanities / Social studies (history, geography, civics, law, economics, etc.) | n | n | n | n | n |
| **(f)** | Creative arts (visual arts, music, dance, drama, etc.) | n | n | n | n | n |
| **(g)** | Information technology, computer studies or similar | n | n | n | n | n |
| **(h)** | Practical or vocational (e.g., mechanics and repair, healthcare occupations, construction trades) | n | n | n | n | n |
| **(i)** | Other (e.g., moral/ethics, physical education, personal and social development) | **n** | **n** | **n** | **n** | **n** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Q25 | When studying throughout this school year, how often did you use the following tools during lessons? | | | | |
|  | (*Please mark one choice in each row*) |  |  |  |  |
|  |  | Never | In some lessons | In most lessons | In every or almost every lesson |
| **(a)** | Word-processing software (e.g., Microsoft Word, Apple Pages, Google Docs) |  |  |  |  |
| **(b)** | Presentation software (e.g., Microsoft  PowerPoint, Apple Keynote, Google Slides) |  |  |  |  |
| **(c)** | Spreadsheets (e.g., Microsoft  Excel, Apple Numbers, Google Sheets) |  |  |  |  |
| **(d)** | Multimedia production tools (e.g., video editing, audio/music mixing, animation) |  |  |  |  |
| **(e)** | Concept mapping software (e.g., Inspiration, Webspiration) |  |  |  |  |
| **(f)** | Tools that capture real-world data (e.g., speed, temperature) digitally for analysis |  |  |  |  |
| **(g)** | Simulations and modelling software (e.g., physics simulators) |  |  |  |  |
| **(h)** | Computer-based information resources (e.g., websites, wikis, encyclopaedia) |  |  |  |  |
| **(i)** | Interactive digital learning resources (e.g., learning games or apps) |  |  |  |  |
| **(j)** | Drawing and graphic design software (e.g., logo design, poster design, character illustration) |  |  |  |  |
| **(k)** | A learning management system (e.g., Canvas, Moodle, Blackboard, Edmodo) |  |  |  |  |
| **(l)** | A video conferencing system (e.g., Zoom, Google Meet, Microsoft Teams) |  |  |  |  |
| **(m)** | A computer programming/coding environment (e.g., Python, LUA, Javascript, Scratch) |  |  |  |  |

Your Thoughts about Using and Learning about ICT

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | ICILS 2018: Q27 – 2023 field trial Q26 | | | | | | | | | | |
| **Q26** | | **How well can you do each of these tasks when using ICT?** | | | | | | | | | | |
|  | | *(Please mark one choice in each row)* | | | | | | | | | | |
|  | |  | | | | | | | | | | |
|  | |  | | Very well | | Moderately well | | I have never done this, but I could work out how to do it | | I do **not** think I could do this | | |
| **(a)** | | Edit digital photographs or other graphic images | |  | |  | |  | |  | | |
| **(b)** | | Write or edit text for a school assignment | |  | |  | |  | |  | | |
| **(c)** | | Search for relevant information for a school project on the Internet | |  | |  | |  | |  | | |
| **(d)** | | Build or edit a webpage | |  | |  | |  | |  | | |
| **(e)** | | Change the settings on a device to suit your needs and preferences | |  | |  | |  | |  | | |
| **(f)** | | Create a multi-media presentation (with sound, pictures, or video) | |  | |  | |  | |  | | |
| **(g)** | | Upload text, images, or video to an online profile | |  | |  | |  | |  | | |
| **(h)** | | Insert an image into a document or message | |  | |  | |  | |  | | |
| **(i)** | | Install a program or app | |  | |  | |  | |  | | |
| **(j)** | | Judge whether you can trust information you find on the Internet | |  | |  | |  | |  | | |
| **(k)** | | Use a text-based programming language (e.g., Python, JavaScript, Lua, Swift) to write a simple computer program | |  | |  | |  | |  | | |
| **(l)** | | Use visual coding (e.g., Alice, GameMaker, Kodu, Lego Mindstorms, MIT App Inventor, Scratch) to develop a simple computer program | |  | |  | |  | |  | | |
| **(m)** | | Find the original sources of information referred to in an article on the Internet, if the URL is not given | |  | |  | |  | |  | | |
|  | ICILS 2018: Q28 – 2023 field trial Q27 (items a to h) | | | | | | | | | |  |
| Q27a | How much do you agree or disagree with the following statements about ICT and society? | | | | | | | | | | |
|  | (Please mark one choice in each row) | | | | | | | | | | |
|  |  | | Strongly agree | | Agree | | Disagree | | Strongly disagree | | |
| **(a)** | Advances in ICT usually improve people’s living conditions. | |  | |  | |  | |  | | |
| **(b)** | ICT helps us to understand the world better. | |  | |  | |  | |  | | |
| **(c)** | Using ICT makes people more isolated in society. | |  | |  | |  | |  | | |
| **(d)** | With more ICT there will be fewer jobs. | |  | |  | |  | |  | | |
| **(e)** | People spend far too much time using ICT. | |  | |  | |  | |  | | |
| **(f)** | ICT is valuable to society. | |  | |  | |  | |  | | |
| **(g)** | Advances in ICT bring many social benefits. | |  | |  | |  | |  | | |
| **(h)** | Using ICT may be dangerous for people's health. | |  | |  | |  | |  | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ICILS 2018: Q28 – 2023 field trial Q27 (i to q) and one new item | | | | |  |
| Q27b | How much do you agree or disagree with the following statements about ICT and school? | | | | | |
|  | (Please mark one choice in each row) | | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree | |
| **(a)** | I learn better when I use ICT in my lessons at school than when I do not use ICT in my lessons. |  |  |  |  | |
| **(b)** | Using ICT at school makes learning more fun. |  |  |  |  | |
| **(c)** | I would like to study subjects related to ICT after high school. |  |  |  |  | |
| **(d)** | I hope that using ICT is a very important part of my future job. |  |  |  |  | |
| **(e)** | I hope that my future job involves programming. |  |  |  |  | |
| **(f)** | Learning how to use ICT applications will help me to do the work I am interested in. |  |  |  |  | |
| **(g)** | It is important for students to learn how to use ICT at school. |  |  |  |  | |
| **(h)** | Learning how to use ICT well will help me get a well-paid job. |  |  |  |  | |
| **(i)** | It is important for students to learn programming at school. |  |  |  |  | |
| **(j)** | It is important for students to keep up to date with changes in ICT. |  |  |  |  | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | ICILS 2018: Q29 – 2023 field trial Q28 | | | |  | |
| Q28 | To what extent have you learned how to do the following tasks when studying at school? | | | | | |
|  | (Please mark one choice in each row) | | | | | |
|  |  | To a large extent | To a moderate extent | To a small extent | | Not at all |
| **(a)** | Use a solution that works for one problem to help solve a different problem |  |  |  | |  |
| **(b)** | Solve a hard problem by splitting it into a few easier problems |  |  |  | |  |
| **(c)** | Make diagrams that explain concepts or systems (e.g., electric circuits, plant growth, the water cycle) |  |  |  | |  |
| **(d)** | Plan tasks by making a list of the tasks in the order they need to be completed |  |  |  | |  |
| **(e)** | Detect patterns in data |  |  |  | |  |
| **(f)** | Use simulations to help understand concepts or systems (e.g., electric circuits, plant growth, growth of cities in a virtual world) |  |  |  | |  |
| **(g)** | Make flow diagrams to show how a computer program should work |  |  |  | |  |
| **(h)** | Systematically test computer programs to find bugs, errors, or other problems |  |  |  | |  |
| **(i)** | Use data to better understand real-world problems |  |  |  | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q30 – 2023 field trial Q29 | | |  |
| Q29 | Do you study computing, computer science, information technology, informatics or similar in the current school year? | | | |
|  |  | | | |
|  | Yes – as a specific subject |  |  |  |
|  | Yes – within my other subjects |  |  |  |
|  | No |  |  |  |

**New for 2023**

**Your school experience with COVID-19**

Q30. In the last three school years (including this year), did you ever take part in remote learning for more than a week because of the following reasons?

*Remote learning is any time you you attended school from home or somewhere else outside of school.*

*Do not count the time that your school was scheduled to be closed for school holiday or vacations.*

*If you changed schools during the past three years, please count the time across all schools you attended.*

*If took part in remote learning multiple different times, please count all times together.*

*(Please mark one choice in each row)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | No | Yes, up to 1 month | Yes, more than 1 month and up to 3 months | Yes, more than 3 months and up to 6 months | Yes, more than 6 months and up to 12 months | Yes, more than 12 months | I don’t know |
| Because of COVID-19 |  |  |  |  |  |  |  |
| For another reason (such as a natural disaster, strikes or demonstrations, or air pollution) |  |  |  |  |  |  |  |

**New for 2023**

Q31. How confident do you feel about doing the following things if your school had to close for more than a week due to COVID-19 or another reason (e.g., a natural disaster, strikes or demonstrations, air pollution)?

*(Please mark one choice in each row)*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Not at all confident | Not very confident | Confident | Very confident |
| Finding learning resources on my own |  |  |  |  |
| Planning when to do school work on my own |  |  |  |  |
| Motivating myself to do school work |  |  |  |  |
| Focusing on school work without reminders |  |  |  |  |
| Completing school work independently |  |  |  |  |
| Assessing my progress with learning |  |  |  |  |

**THANK YOU FOR YOUR TIME AND EFFORT IN COMPLETING THE QUESTIONNAIRE**

1. ICILS 2023 Main Study Teacher Questionnaire (all questions)



**INTERNATIONAL COMPUTER AND INFORMATION LITERACY STUDY**

**(ICILS) 2023**

*Teacher Questionnaire*

Main Survey

**For Official Use**

***Prepared by:***

IEA

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Description automatically generated with low confidence

# Introduction for teachers to the questionnaire

About this questionnaire

Thank you for taking part in the main survey for the 2023 International Computer and Information Literacy Study (ICILS). The purpose of this study is to examine, across different countries, the extent to which young people in eighth grade have developed computer and information literacy, which is defined as *the ability to use Information and Communications Technology (ICT) to investigate, create, and communicate with others at home, school, the workplace and in society.*

In this questionnaire ICT can refer to:

* Computers (including desktop, laptop, Chromebook, and tablet devices)
* Smartphones, except when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text

In this questionnaire, you will find questions about:

* Your background and familiarity with ICT
* Your learning about the use of ICT in teaching
* The use of ICT in teaching and learning at your school
* Your use of ICT in teaching a reference eighth-grade class.

Some questions focus on a nominated “reference” class. This is the first eighth-grade class that you teach for a regular subject (i.e., other than home room, assembly, etc.) on or after the Tuesday before you first accessed this questionnaire.

You may, of course, teach the class at other times during the week as well. If you did not teach an eighth-grade class on that Tuesday, please use the eighth-grade class that you taught on the first day after that Tuesday.

Please answer as accurately as you can. You will mostly answer by clicking on a button. You can change your responses at any time until you have clicked on ‘Finish’ at the end of the questionnaire. After this point, you can no longer change any of your answers.

We have estimated that it will take less than 35 minutes of your time to complete the questionnaire. Thank you for making that time available.

Completing the questionnaire

To begin the questionnaire, please click on the “Next” button. When navigating through the questionnaire, make sure to save your responses by clicking on the “Next” or “Previous” button, or by clicking on the Table of Contents link. To go to a particular section or item, please click on the corresponding link in the “Table of Contents.”

You may exit the questionnaire by clicking on the Logout link at any time and log in again later. All your responses will be saved automatically and be available for you when resuming the questionnaire at a later point.

When you have completed the questionnaire, please click on the “Finish” button at the end of the questionnaire to submit your answers. You will not be able to re-enter the questionnaire once you have submitted your answers.

**We thank you for your effort and cooperation!**

The National Center for Education Statistics (NCES), within the U.S. Department of Education, conducts ICILS in the United States as authorized by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0803. The time required to complete this information collection is estimated to average 35 minutes per teacher, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments or concerns regarding the accuracy of the time estimate(s), suggestions for improving the form, or questions about the status of your individual submission of this form, write directly to: International Computer and Information Literacy Study (ICILS), National Center for Education Statistics, Potomac Center Plaza (PCP), 550 12th St., SW, 4th floor, Washington, DC 20202.

OMB No. 1850-0803, Approval Expires xx/xx/20xx.

# About You

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q1 - 2023: Field trial Q1 | | | | | | |
| Q1 | What is your gender? | | | | |  | |
|  | Female |  | Male |  | Another gender | |  |

|  |  |
| --- | --- |
|  | 2018: Q2 - 2023: Field trial Q2 |
| Q2 | How old are you? |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q3 - 2023: Field trial Q3 | |
| Q3 | What are the main subjects that you teach in this school in the current school year? | |
|  | (Please indicate the subjects that you teach in this school, indicating only those that individually account for at least four lessons each week in this school. The exact name of one or more of your subjects may not appear in the list for each category. If it does not, please mark the category you think best fits the subject.) | |
|  | English Language arts |  |
|  | Spanish, or other foreign languages |  |
|  | Mathematics |  |
|  | Sciences (general science and/or physics, chemistry, biology, geology, earth sciences, technical science, etc.) |  |
|  | Human sciences / Humanities / Social studies (history, geography, civics, law, economics, etc.) |  |
|  | Creative arts (visual arts, music, dance, drama, etc.) |  |
|  | Information technology, computer studies or similar |  |
|  | Practical and vocational subjects |  |
|  | Other (e.g., moral/ethics, physical education, personal and social development) |  |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q4 - 2023: Field trial Q4 | |
| Q4 | In the current school year, at how many schools do you teach eighth-grade students? | |
|  | (Please mark one choice only) | |
|  | Only in this school |  |
|  | In this school and another school |  |
|  | In this school and in two other schools |  |
|  | In this school and in three or more other schools |  |

|  |  |
| --- | --- |
| **Q5.1** | **What year did you start teaching?**  **\_\_\_\_\_\_\_\_\_\_**  *(Please write in a year)* |

**Q5.2 At the end of this school year, how many years will you have taught altogether?**

\_\_\_\_\_\_\_\_\_\_ years

*(Please round to the nearest whole number)*

# Your use of ICT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q5 - 2023: Field trial Q5 | | | | | |
| Q6 | Approximately how long have you been using ICT for *teaching* purposes? | | | | | |
|  | *(Please mark one choice in each row)* | | | | | |
|  |  | Never | Less than 2 years | At least 2 years but less than 5 years | At least 5 years but less than 10 years | 10 years or more |
| **(a)** | Preparing lessons |  |  |  |  |  |
| **(b)** | During lessons |  |  |  |  |  |
| **(c)** | After lessons (e.g., for marking student work, or reporting student learning progress) |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q6 - 2023: Field trial Q6 | | | | | | |
| Q7 | How often do you use ICT in these settings? | | | | | | |
|  | (Please mark one choice in each row) | | | | | | |
|  |  | Never | Less than once a month | At least once a month but not every week | At least once a week but not every day | Once every day | More than once every day |
| **(a)** | At school when teaching |  |  |  |  |  |  |
| **(b)** | At school for other work-related purposes |  |  |  |  |  |  |
| **(c)** | Outside school for teaching |  |  |  |  |  |  |
| **(d)** | Outside school for other work-related purposes |  |  |  |  |  |  |
| **(e)** | Outside school for non-work-related purposes |  |  |  |  |  |  |

|  | 2018: Q7 - 2023: Field trial Q7 | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| Q8 | How well can you do these tasks using ICT? | | | |  | |
|  |  | | | | | |
|  | (Please mark one choice in each row) | | | | | |
|  |  | I can do this very well | I can do this moderately well | I have not done this, but I could find out how | | I **do** **not** think I could do this |
| **(a)** | Find useful teaching resources on the Internet |  |  |  | |  |
| **(b)** | Evaluate the quality of teaching resources on the Internet |  |  |  | |  |
| **(c)** | Contribute to a discussion forum / user group on the Internet (e.g., a wiki or blog) |  |  |  | |  |
| **(d)** | Produce presentations (e.g., Microsoft PowerPoint, Apple Keynote, Google Slides, or a similar program) with simple animation functions |  |  |  | |  |
| **(e)** | Use the Internet for online purchases and payments |  |  |  | |  |
| **(f)** | Prepare lessons that involve the use of ICT by students |  |  |  | |  |
| **(g)** | Use a spreadsheet program (e.g., Microsoft Excel, Apple Numbers, Google Sheets) for keeping records |  |  |  | |  |
| **(h)** | Use a spreadsheet program (e.g., Microsoft Excel, Apple Numbers, Google Sheets) for analyzing data |  |  |  | |  |
| **(i)** | Assess student learning |  |  |  | |  |
| **(j)** | Collaborate with others using shared resources such as Google Workspace, Office 365, Microsoft Teams, Zoho |  |  |  | |  |
| **(k)** | Use a learning management system (e.g., Canvas, Moodle, Blackboard, Edmodo) |  |  |  | |  |
| **(l)** | Identify Internet scams |  |  |  | |  |
| **(m)** | Edit video content for use in teaching |  |  |  | |  |
| **(n)** | Create computer-based assessments that record students’ responses to questions (e.g., Kahoot, Google Forms, Microsoft Forms) |  |  |  | |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 2018: Q16 – 2023: Field trial Q8 | | | |
| Q9 | Did your initial teacher education include the following aspects of using ICT to support teaching and learning? | | | |
|  |  | | | |
|  | (Please mark one choice in each row) | | | |
|  |  | Yes | No | *I cannot remember* |
| **(a)** | The use of productivity applications (e.g., word processor, presentation software, Internet use, spreadsheets) |  |  |  |
| **(b)** | General approaches (relevant across subjects) to using ICT to enhance teaching and learning |  |  |  |
| **(c)** | Subject-specific approaches to using ICT to enhance teaching and learning |  |  |  |
| **(d)** | Using ICT to collaborate with other teachers |  |  |  |
| **(e)** | Using ICT to assess student learning |  |  |  |
| **(f)** | Supporting students’ capabilities to evaluate the reliability of Internet-based information sources |  |  |  |
| **(g)** | Managing social problems that students experience when using ICT to communicate with others (e.g., cyberbullying). |  |  |  |
| **(h)** | Supporting students’ use of ICT as a tool for problem solving |  |  |  |

Learning to use ICT in Teaching

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q17 - 2023: Field trial Q9 | | | | | |
| Q10 | 1. How often did you participate in professional learning activities dealing with the following content areas in the past two years?   and   1. Do you need to do more professional learning activities dealing with the following content areas in the future? | | | | | |
|  | (Please mark one choice for (i) and one choice for (ii) in each row.) | | | | | |
|  |  | **(i)** | | | **(ii)** | |
|  |  | I did not participate in this activity | Only once | More than once | I need to do more professional learning related to this content | I do **not** need to do more professional learning related to this content |
| **(a)** | The use of productivity applications (e.g., word processor, presentation software, Internet use, spreadsheets) |  |  |  |  |  |
| **(b)** | The use of subject-specific digital teaching and learning resources |  |  |  |  |  |
| **(c)** | The use of ICT for students with special needs or specific learning difficulties |  |  |  |  |  |
| **(d)** | How to use ICT to support students’ personalized learning |  |  |  |  |  |
| **(e)** | Managing social problems that students experience when using ICT to communicate with others (e.g., cyberbullying) |  |  |  |  |  |
| **(f)** | Supporting students’ capabilities to evaluate the reliability of Internet-based information sources |  |  |  |  |  |
| **(g)** | Supporting students’ capabilities to identify deceptive Internet practices (e.g., scams, fake news, fake images, fake reviews, bots, etc.) |  |  |  |  |  |
| **(h)** | The use of visual coding platforms (e.g., Alice, GameMaker, Kodu, Lego Mindstorms, MIT App Inventor, Scratch) for teaching and learning |  |  |  |  |  |
| **(i)** | Integrating ICT into teaching and learning |  |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q15 - 2023: Field trial Q10 | | | | |
| Q11 | To what extent do you agree or disagree with the following statements about your use of ICT in teaching and learning at your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree |
| **(a)** | I collaborate with other teachers on improving the use of ICT in classroom teaching. |  |  |  |  |
| **(b)** | I collaborate with other teachers to develop ICT-based lessons. |  |  |  |  |
| **(c)** | I observe how other teachers use ICT in teaching. |  |  |  |  |
| **(d)** | I discuss with other teachers how to use ICT in teaching. |  |  |  |  |
| **(e)** | I share ICT-based resources with other teachers in my school. |  |  |  |  |
| **(f)** | I collaborate with other teachers to find personalized ICT-based resources for individual students. |  |  |  |  |
| **(g)** | I collaborate with other teachers to keep track of ICT competencies taught across subjects. |  |  |  |  |
| **(h)** | I collaborate with other teachers to create teaching materials that include the use of ICT in the classroom. |  |  |  |  |

Using ICT in Teaching and Learning at Your School

|  |  |  |
| --- | --- | --- |
|  | New for 2023 - Not used in FT – identical to MS CQ Q15, PQ13 | |
| Q12 | Does your school have a clear vision/plan for using ICT to support teaching and learning? | |
|  | (Please mark one choice only) | |
|  | No |  |
|  | Yes, and this helps improve the effective use of ICT in teaching and learning |  |
|  | Yes, but this **does not** help improve the effective use of ICT in teaching and learning |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | New for MS - Not used in FT - Identical to MS CQ Q17, PQ Q18 | | | | |
| Q13 | To what extent do you agree or disagree with the following statements about the shared understanding of the use of ICT in your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree |
| **a)** | Teachers have a shared understanding of the use of ICT to support teaching and learning within their subject areas or specialties. |  |  |  |  |
| **b)** | Teachers have a shared understanding of general approaches (relevant across subjects) to using ICT to support teaching and learning. |  |  |  |  |
| **c)** | Teachers talk with their colleagues about the use of ICT in teaching. |  |  |  |  |
| **d)** | Teachers have a shared understanding about the use of ICT for students with special needs or specific learning difficulties. |  |  |  |  |
| **e)** | Teachers have a shared understanding about how to use ICT to support students’ personalized learning. |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q14 - 2023: Field trial Q18 | | | | |
| Q14 | To what extent do you agree or disagree with the following statements about the use of ICT in teaching at your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree |
| **(a)** | My school has enough ICT equipment (e.g., computers and peripheral devices). |  |  |  |  |
| **(b)** | The ICT equipment in my school is up-to-date. |  |  |  |  |
| **(c)** | The ICT equipment in my school works whenever I need to use it. |  |  |  |  |
| **(d)** | The time it takes for technical support to solve problems with ICT equipment or software is acceptable. |  |  |  |  |
| **(e)** | There is sufficient technical support to maintain ICT equipment. |  |  |  |  |
| **(f)** | My school has good connectivity (e.g., fast speed and stable) to the Internet. |  |  |  |  |
| **(g)** | My school has access to sufficient digital learning resources (e.g., learning software or apps). |  |  |  |  |
| **(h)** | There is enough time to prepare lessons that incorporate ICT. |  |  |  |  |
| **(i)** | There is sufficient opportunity for me to develop the expertise necessary to prepare lessons that incorporate ICT. |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q18 - 2023: Field trial Q19 | | | | |
| Q15 | To what extent do you agree or disagree with the following statements about using ICT in teaching and learning at your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | | | | |
|  | **Using ICT at school …** | Strongly agree | Agree | Disagree | Strongly disagree |
| **(a)** | Makes it difficult for students to develop a deep understanding of concepts. |  |  |  |  |
| **(b)** | Helps students develop a greater interest in learning. |  |  |  |  |
| **(c)** | Helps students to work at a level appropriate to their learning needs. |  |  |  |  |
| **(d)** | Results in students copying material from Internet sources without attribution. |  |  |  |  |
| **(e)** | Helps students develop problem-solving skills. |  |  |  |  |
| **(f)** | Distracts students from learning. |  |  |  |  |
| **(g)** | Results in poorer written expression among students. |  |  |  |  |
| **(h)** | Results in poorer calculation and estimation skills among students. |  |  |  |  |
| **(i)** | Limits the amount of personal communication among students. |  |  |  |  |
| **(j)** | Enables students to collaborate more effectively. |  |  |  |  |
| **(k)** | Helps students develop skills in planning and self-regulation of their work. |  |  |  |  |
| **(l)** | Improves academic performance of students. |  |  |  |  |
| **(m)** | Enables students to access better sources of information. |  |  |  |  |
| **(n)** | Results in shorter attention spans among students. |  |  |  |  |
| **(o)** | Confuses students with false or misleading information. |  |  |  |  |

Teaching and Learning with ICT

*In this section of the questionnaire please focus your responses on your teaching practices in a “reference” class.*

*This is the first eighth-grade class that you teach for a regular subject (i.e., other than home room, assembly, etc.) on or after the Tuesday before you first accessed this questionnaire.*

*You may, of course, teach the class at other times during the week as well. If you did not teach an eighth-grade class on that Tuesday, please use the eighth-grade class that you taught on the first day after that Tuesday.*

|  |  |  |
| --- | --- | --- |
|  | 2018: Q8 - 2023: Field trial Q21 | |
| **Q16** | Which of the following best describes the subject for this reference class? | |
|  | *(Please mark one choice only)* | |
|  | English Language arts |  |
|  | Spanish, or other foreign languages |  |
|  | Mathematics |  |
|  | Sciences (general science and/or physics, chemistry, biology, geology, earth sciences, technical sciences, etc.) |  |
|  | Human sciences / Humanities / Social studies (history, geography, civics, law, economics, etc.) |  |
|  | Creative arts (visual arts, music, dance, drama, etc.) |  |
|  | Information technology, computer studies or similar |  |
|  | Practical and vocational subjects |  |
|  | Other (e.g., moral/ethics, physical education, personal and social development) |  |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **New for 2023 - 2023: Field trial Q22.2** | | | | | | | | |
| **17** | **Think about your teaching of the reference class in this school year.**   1. **How often did you and your students engage in the following activities?** 2. **For each activity, to what extent was ICT used?** | | | | | | | | |
|  |  | | | | | | | | |
|  | *(Please mark one choice for (i) and one choice for (ii) for the activity in each row.)* | | | | | | | | |
|  |  | ***i*** | | | | ***ii*** | | | |
|  |  | *Never* | *In some lessons* | *In most lessons* | *In every or almost every lesson* | *ICT was used rarely or never for this activity* | *ICT was used some of the time for this activity* | *ICT was used most of the time for this activity* | *ICT was used almost all or all of the time for this activity* |
| **(a)** | I presented information to the whole class. |  |  |  |  |  |  |  |  |
| **(b)** | I conducted whole-class discussions. |  |  |  |  |  |  |  |  |
| **(c)** | I led whole-class checking of schoolwork (e.g., going over solutions to worksheets or assignments, presenting answers to questions on tests). |  |  |  |  |  |  |  |  |
| **(d)** | Students worked individually on worksheets, exercises, or assignments in class (with my help as required or requested during class). |  |  |  |  |  |  |  |  |
| **(e)** | Students completed tests provided by me. |  |  |  |  |  |  |  |  |
| **(f)** | I helped students to plan research or inquiries (e.g., establishing research questions, setting constraints, etc.) into academic/subject-specific topics. |  |  |  |  |  |  |  |  |
| **(g)** | I helped students to conduct academic/subject-specific research by providing curriculum materials or instructions. |  |  |  |  |  |  |  |  |
| **(h)** | I helped students to conduct research inquiries into real-world topics by asking critical/evaluative questions about their work. |  |  |  |  |  |  |  |  |
| **(i)** | I gave feedback to students on their research work-in-progress. |  |  |  |  |  |  |  |  |
| **(j)** | Students presented the results of their research inquires to the class. |  |  |  |  |  |  |  |  |
| **(k)** | I helped students to organize ideas to try to understand real-world problems. |  |  |  |  |  |  |  |  |
| **(l)** | I helped students to plan their solutions to real-world problems. |  |  |  |  |  |  |  |  |
| **(m)** | I guided students’ searches for information into the real-world problems they were investigating. |  |  |  |  |  |  |  |  |
| **(n)** | I helped students to work with people outside of the school to support the students’ research into real-world problems. |  |  |  |  |  |  |  |  |
| **(o)** | I arranged for students to present their research investigations into real-world problems to people outside our class (within the school and/or outside of the school). |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q23 | | | | | | | | | | | | |
| **Q18** | **In approximately what proportion of lessons in your reference class do students do the following ICT-based activities?** | | | | | | | | | | | | |
|  |  | | | | | | | | | | | | |
|  | *(Please mark one choice* *in each row)* | | | | | | | | | | | | |
|  | |  | | *Never* | | *One quarter or less (but more than never)* | | *One half or less (but more than one quarter)* | | *More than one-half (but less than three quarters)* | | *Three quarters or more* | |
| **(a)** | | Record audio or video (e.g., discussions, presentations, performances, etc.) | |  | |  | |  | |  | |  | |
| **(b)** | | Use group chat, voice, or video apps to collaborate with other students on their schoolwork | |  | |  | |  | |  | |  | |
| **(c)** | | Edit digital images, photos, or videos | |  | |  | |  | |  | |  | |
| **(d)** | | Use simulation software to understand concepts or systems (e.g., electric circuits, plant growth, growth of cities in a virtual world, etc.) | |  | |  | |  | |  | |  | |
| **(e)** | | Collect and manually enter data | |  | |  | |  | |  | |  | |
| **(f)** | | Record sensor data from digital devices (e.g., the accelerometer in a smartphone or robot) | |  | |  | |  | |  | |  | |
| **(g)** | | Create digital charts from stored data | |  | |  | |  | |  | |  | |
| **(h)** | | Use software or applications to learn skills or a subject (e.g., mathematics tutoring software, language learning software, etc.) | |  | |  | |  | |  | |  | |
| **(i)** | | Create or edit extended (more than 5 minute) videos or animations for a specific purpose and audience | |  | |  | |  | |  | |  | |
| **(j)** | | Write computer programs, games, or apps (e.g., using Python, LUA, Javascript, Scratch) | |  | |  | |  | |  | |  | |
| **(k)** | | Create digital flowcharts or decision trees to illustrate complex systems | |  | |  | |  | |  | |  | |
| **(l)** | | Use the Internet to find information (e.g., websites, databases, archives, digital libraries, search engines, etc.) | |  | |  | |  | |  | |  | |
| **(m)** | | | Create or edit documents or presentations | |  | |  | |  | |  | |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q12 – 2023: Field trial Q24 | | | | |
| Q19 | How often did you use the following tools in your teaching of the reference class this school year? | | | | |
|  |  | | | | |
|  | (*Please mark one choice in each row*) | | | | |
|  |  | Never | In some lessons | In most lessons | In every or almost every lesson |
| **(a)** | Practice programs or apps where you ask students questions (e.g., Quizlet, Kahoot) |  |  |  |  |
| **(b)** | Digital learning games |  |  |  |  |
| **(c)** | Word-processor software (e.g., Microsoft Word, Apple Pages, Google Docs) |  |  |  |  |
| **(d)** | Presentation software (e.g., Microsoft PowerPoint, Apple Keynote, Google Slides) |  |  |  |  |
| **(e)** | Spreadsheets (e.g., Microsoft Excel, Apple Numbers, Google Sheets) |  |  |  |  |
| **(f)** | Video and photo software for capture and editing (e.g., Windows Movie Maker, iMovie, Adobe Photoshop) |  |  |  |  |
| **(g)** | Concept mapping software (e.g., Inspiration, Webspiration) |  |  |  |  |
| **(h)** | Simulations and modelling software (e.g., NetLogo) |  |  |  |  |
| **(i)** | Computer-based information resources (e.g., websites, wikis, encyclopedia) |  |  |  |  |
| **(j)** | Graphing or drawing software |  |  |  |  |
| **(k)** | e-portfolios |  |  |  |  |
| **(l)** | Digital content linked with paper-based textbooks |  |  |  |  |
| **(m)** | Social media (e.g., Instagram, SnapChat, Twitter, TikTok) |  |  |  |  |
| **(n)** | Digital textbooks |  |  |  |  |
| **(o)** | Virtual or augmented reality (e.g., The Body VR, Google Earth VR, MathAlive) |  |  |  |  |
| **(p)** | Adaptive learning systems (software that gathers and uses student data to deliver personalized resources and learning activities to address the unique needs of students) |  |  |  |  |
| **(q)** | Interactive whiteboard software (e.g., Limnu, Stormboard, Google Jamboard, Microsoft Whiteboard) |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q9 - 2023: Field trial Q25 | | | | |
| Q20 | In your teaching of the reference class in this school year, how much emphasis have you given to developing the following ICT-based capabilities in your students? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | *Strong emphasis* | *Some emphasis* | *Little emphasis* | *No emphasis* |
| **(a)** | To access information efficiently |  |  |  |  |
| **(b)** | To display information for a given audience/purpose |  |  |  |  |
| **(c)** | To evaluate the credibility of digital information |  |  |  |  |
| **(d)** | To share digital information with others |  |  |  |  |
| **(e)** | To use computer software to construct digital work products (e.g., presentations, documents, images and diagrams, etc.) |  |  |  |  |
| **(f)** | To provide digital feedback on the work of others (such as their classmates) |  |  |  |  |
| **(g)** | To explore a range of digital resources when searching for information |  |  |  |  |
| **(h)** | To provide references for digital information sources |  |  |  |  |
| **(i)** | To understand the consequences of making information publicly available online |  |  |  |  |
| **(j)** | To collaborate with their classmates using an online collaboration platform (e.g., Google Workspace, Office 365, Microsoft Teams, Zoho) |  |  |  |  |
| **(k)** | To refine Internet searches to return fewer or more relevant results |  |  |  |  |
| **(l)** | To manage privacy settings for Internet accounts and ICT devices (e.g., allowing contacts and information to be shared with advertising companies) |  |  |  |  |
| **(m)** | To identify deceptive Internet practices (e.g., scams, fake news, fake images, fake reviews, bots, etc.) |  |  |  |  |
| **(n)** | To check if facts from Internet-based sources are consistent with other sources |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q13 - 2023: Field trial Q26 | | | | |
| Q21 |  | | | | |
|  | In your teaching of the reference class this school year, how much emphasis have you given to teaching the following skills?  (Please mark one choice in each row) | | | | |
|  |  | *Strong emphasis* | *Some emphasis* | *Little emphasis* | *No emphasis* |
| **(a)** | To use a solution that works for one real-world problem to help solve a different real-world problem |  |  |  |  |
| **(b)** | To solve complex problems by splitting them into smaller problems |  |  |  |  |
| **(c)** | To make diagrams that explain concepts or systems (e.g., electric circuits, plant growth, the water cycle, etc.) |  |  |  |  |
| **(d)** | To plan tasks by listing the steps needed to complete them |  |  |  |  |
| **(e)** | To detect patterns in data |  |  |  |  |
| **(f)** | To use simulations to help understand concepts or systems (e.g., electric circuits, plant growth, growth of cities in a virtual world, etc.) |  |  |  |  |
| **(g)** | To make decision trees or flow diagrams |  |  |  |  |
| **(h)** | To analyze data to better understand real-world problems |  |  |  |  |
| **(i)** | To describe the rules that govern how a system works (e.g., a vending machine, the school canteen, a game, etc.) |  |  |  |  |
| **(j)** | To evaluate and improve solutions to real-world problems |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q27.1 | | | | | | |
| **Q22** | **To what extent does each of the following statements reflect your beliefs about knowledge, learning, and cognition?** | | | | | | |
|  |  | | | | | | |
|  | *(Please mark one choice in each row)* | | | | | | |
|  |  | *Not at all* | *To a very small extent* | *To a small extent* | *To a moderate extent* | *To a large extent* | *Completely* |
| **(a)** | Knowledge is developed through systematic engagement with basic facts that leads to deeper understanding in the future. |  |  |  |  |  |  |
| **(b)** | People understand abstract phenomena by relating them to physical experiences. |  |  |  |  |  |  |
| **(c)** | Learners construct their own understanding by internalizing their experiences. |  |  |  |  |  |  |
| **(d)** | Conceptual knowledge is based on fundamental truths and the relationships between these truths. |  |  |  |  |  |  |
| **(e)** | Cognition depends on an individual’s whole-body response to the physical world. |  |  |  |  |  |  |
| **(f)** | Complex concepts are mastered by first mastering the underlying basic concepts. |  |  |  |  |  |  |
| **(g)** | Knowledge is best developed when the learner is involved in complex and challenging situations. |  |  |  |  |  |  |
| **(h)** | Knowledge is best created and maintained through personal action and reflection. |  |  |  |  |  |  |
| **(i)** | The best learning happens when preceded by a general overview of the learning content. |  |  |  |  |  |  |
| **(j)** | Knowledge is best created and maintained through working with other people. |  |  |  |  |  |  |
| **(k)** | Learning is a social process requiring interaction with other people. |  |  |  |  |  |  |
| **(l)** | Knowledge dissipates if it is not maintained through repetition and practice. |  |  |  |  |  |  |
| **(m)** | All new information should be critically evaluated. |  |  |  |  |  |  |
| **(n)** | The quality of learning depends on the experiences of the learner and the learning context. |  |  |  |  |  |  |
| **(o)** | The best learning happens when concepts are placed in their wider context. |  |  |  |  |  |  |
| **(p)** | Deep understanding of concepts happens unsystematically and depends on the experiences made available to the learner. |  |  |  |  |  |  |
| **(q)** | The validity of knowledge depends on the authority of those who defined it. |  |  |  |  |  |  |
| **(r)** | Theories that describe the world underpin rational action. |  |  |  |  |  |  |

**New for 2023**

Q23. So far this school year, how confident do you feel about addressing gaps between students’ knowledge/skills and achievement standards that may have occurred due to the COVID-19 outbreak school closures?

*(Please mark only one choice)*

* Not at all confident
* Not confident
* Somewhat confident
* Quite confident
* Extremely confident

**New for 2023**

Q24. So far this school year, how often have you taken the following measures to address gaps in learning that may have occurred due to the COVID-19 outbreak school closures?

*(Please mark one circle in each row)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Not applicable | Never | About once or twice a month | About once or twice a week | Every day or almost every day |
| Diagnostic assessments to evaluate gaps between students’ knowledge/skills and achievement standards |  |  |  |  |  |
| Remedial measures to reduce gaps between students’ knowledge/skills and achievement standards |  |  |  |  |  |
| Remedial measures with a special focus on students with disabilities |  |  |  |  |  |
| Remedial measures with a special focus on English language learners |  |  |  |  |  |

**New for 2023**

Q25. Do you think that you would be able to do the following things while teaching in a remote learning format?

*Remote learning refers to students learning only from home or a location other than the school building. Please only consider remote learning that occurs for more than a week.*

*(Please mark one choice in each row)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | I definitely can’t | I probably can’t | Maybe | I probably can | I definitely can |
| Create materials to engage students in remote learning (e.g., prepare daily or weekly instructional packets, record videos or screencasts) |  |  |  |  |  |
| Conduct a remote learning lesson with students in real-time (e.g., via phone, video conferencing, online chat, online learning platforms) |  |  |  |  |  |
| Provide feedback to students in a remote learning format (e.g., via phone, email, virtual office hours) |  |  |  |  |  |
| Develop strategies to help students who are having difficulties mastering content in their remote learning |  |  |  |  |  |

**THANK YOU FOR YOUR TIME AND EFFORT IN COMPLETING THIS QUESTIONNAIRE**

1. ICILS 2023 Main Study ICT Coordinator Questionnaire (all questions)



**INTERNATIONAL COMPUTER AND INFORMATION LITERACY STUDY**

**(ICILS) 2023**

*ICT Coordinator Questionnaire*

Main Survey

**For Official Use**

***Prepared by:***

IEA

A black and white logo

Description automatically generated with low confidence

# Selecting the person to respond to this questionnaire

This questionnaire asks for information about ICT resources (including computers) in your school, pedagogical practices that use ICT, and support for the use of ICT in teaching and learning across your school. It is important that the person responding knows about and can access relevant information on these topics.

The questionnaire should be completed by the person with designated responsibility for ICT in the school. If there is no person with designated responsibility for ICT in the school, the questionnaire should be completed by the principal or assistant principal.

While the questionnaire should be completed by one person, this person is encouraged to seek support or advice to answer questions from other persons in the school if and as required.

The questionnaire has four sections. Below is a summary of the contents of each section to help you decide whether the person completing this questionnaire should seek advice from any other people in the school and, if so, from whom.

|  |  |  |
| --- | --- | --- |
| **Section** | **Questions** | **Question content** |
| 1: About Your Position | 1 to 3 | Description of the role of the person in the school with responsibility for completing this questionnaire. |
| 2: ICT Technical Resourcing in Your School | 4 to 11 | Information regarding the availability and provision of ICT-related hardware, infrastructure, and software available for teachers and students in your school. |
| 3: ICT Support in Your School | 12 to 14 | Information about who provides routine/day-to-day technical and pedagogical ICT support in your school, and information about perceived technical resourcing obstacles related to ICT use in teaching and learning within your school. |
| 4: Using ICT in Teaching and Learning at Your School | 15 to 23 | Information about the plans and processes in your school to support teachers’ use of ICT in teaching and learning, and perceived pedagogical resourcing obstacles related to ICT use in teaching and learning within your school. |

# Introduction for ICT coordinators to the questionnaire

About this questionnaire

This questionnaire is concerned with Information and Communication Technology (ICT) in schools and, in particular, the resources and support available for their use.

In this questionnaire ICT can refer to:

* Computers (including desktop, laptop, Chromebook and tablet devices)
* Smartphones, except when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text

Please answer as accurately as you can. You will mostly answer by clicking on a button. You can change your responses at any time until you have clicked on ‘Finish’ at the end of the questionnaire. After this point, you can no longer change any of your answers.

We have estimated that it will take 25 minutes of your time to complete the questionnaire. This estimate does not include any time it may take to seek help from others to answer any of the questions. Thank you for making that time available.

Completing the questionnaire

To begin the questionnaire, please click on the “Next” button. When navigating through the questionnaire, make sure to save your responses by clicking on the “Next” or “Previous” button, or by clicking on the Table of Contents link. To go to a particular section or item, please click on the corresponding link in the “Table of Contents.” For some questions, you will be automatically taken to the appropriate next question based on your response.

You may exit the questionnaire by clicking on the Logout link at any time and log in again later. All your responses will be saved automatically and be available for you when resuming the questionnaire at a later point.

When you have completed the questionnaire, please click on the “Finish” button at the end of the questionnaire to submit your answers. You will not be able to re-enter the questionnaire once you have submitted your answers.

**We thank you for your effort and cooperation!**

The National Center for Education Statistics (NCES), within the U.S. Department of Education, conducts ICILS in the United States as authorized by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0803. The time required to complete this information collection is estimated to average 25 minutes per ICT coordinator, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments or concerns regarding the accuracy of the time estimate(s), suggestions for improving the form, or questions about the status of your individual submission of this form, write directly to: International Computer and Information Literacy Study (ICILS), National Center for Education Statistics, Potomac Center Plaza (PCP), 550 12th St., SW, 4th floor, Washington, DC 20202.

OMB No. 1850-0803, Approval Expires xx/xx/20xx.

1: About Your Position

|  |  |  |
| --- | --- | --- |
|  | 2018: Q1 - 2023: Field trial Q1A | |
| Q1A | Do you hold the position of technology or computer coordinator at your school? | |
|  | (Please mark one choice only) | |
|  | Yes, I formally serve as coordinator |  |
|  | Yes, I informally serve as coordinator |  |
|  | I am not the coordinator; I am answering as a designate of the school principal  **[You will be directed to question 2]** |  |
|  | I am the school principal.  **[You will be directed to question 2]** |  |

|  |  |  |
| --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q1B | |
| Q1B | Which one of the following statements best describes your position as the technology or computer coordinator? | |
|  | (Please mark one choice only) | |
|  | I am primarily a technical coordinator. |  |
|  | I am primarily a pedagogical coordinator. |  |
|  | I am both a technical and pedagogical coordinator. |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q2 - 2023: Field trial Q2 | | |
| Q2 | Which of the following teaching duties do you have? | | |
|  | (Please mark one choice in each row) | | |
|  |  | Yes | No |
| **(a)\_**a) | I teach ICT courses to students |  |  |
| **(b)\_**b) | I teach other subjects (not related to learning about ICT) to students |  |  |
| **(c)\_**c) | I **do not** have any teaching duties for students |  |  |
| **(d)\_**d) | I teach ICT courses to, or conduct workshops for, teachers and other school staff |  |  |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q3 - 2023: Field trial Q13 | |
| Q3 | How many years has your school been using ICT for teaching and/or learning purposes for students in eighth grade? | |
|  | (Please mark one choice only) | |
|  |  | Never, we do not use ICT |
|  |  | Fewer than 5 years |
|  |  | At least 5 but fewer than 10 years |
|  |  | 10 years or more |

# 2: ICT Technical Resourcing in Your School

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q4 - 2023: Field trial Q4 | | | | |
| Q4 | Are the following technology infrastructure resources made available by your school to teachers and students? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | | | | |
|  |  | Made available to teachers **and** students | Made available to teachers **only** | Made available to students **only** | Not made available |
| **(a)** | Access to the Internet through the school network |  |  |  |  |
| **(b)** | Access to Wi-Fi |  |  |  |  |
| **(c)** | Space on a school network to store files |  |  |  |  |
| **(d)** | Email accounts for school-related use |  |  |  |  |
| **(e)** | Instant messaging service for school-related use |  |  |  |  |
| **(f)** | Video conferencing system (e.g., Zoom, Google Meet, Microsoft Teams) for school-related use |  |  |  |  |
| **(g)** | Internet-based applications for collaborative work (e.g., Google Workspace, Office 365, Microsoft Teams, Zoho) |  |  |  |  |
| **(h)** | A school intranet with applications and workspaces |  |  |  |  |
| **(i)** | Remote access to the school network from home |  |  |  |  |
| **(j)** | Digital learning resources that can be accessed offline |  |  |  |  |
| **(k)** | A learning management system (e.g., Canvas, Edmodo, Blackboard, Google Class) |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q5 - 2023: Field trial Q5 | | | | |
| Q5 | Are the following software resources made available by your school to teachers and students? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Made available to teachers **and** students | Made available to teachers **only** | Made available to students **only** | Not made available |
| **(a)** | Practice programs or apps where teachers decide which questions are asked of students (e.g., Quizlet, Kahoot, mathfessor) |  |  |  |  |
| **(b)** | Single-user digital learning games (e.g., Mathletics) |  |  |  |  |
| **(c)** | Multi-user digital learning games with graphics and inquiry tasks (e.g., Quest Atlantis) |  |  |  |  |
| **(d)** | Word-processor software (e.g., Microsoft Word, Apple Pages, Google Docs) |  |  |  |  |
| **(e)** | Presentation software (e.g., Microsoft PowerPoint, Apple Keynote, Google Slides) |  |  |  |  |
| **(f)** | Video and photo software for capture and editing (e.g., Windows Movie Maker, iMovie, Adobe Photoshop) |  |  |  |  |
| **(g)** | Concept mapping software (e.g., Inspiration, Webspiration) |  |  |  |  |
| **(h)** | Data logging and monitoring tools (e.g., Logger Pro) that capture real-world data digitally for analysis (e.g., speed, temperature) |  |  |  |  |
| **(i)** | Simulations and modelling software (e.g., NetLogo) |  |  |  |  |
| **(j)** | Graphing or drawing software |  |  |  |  |
| **(k)** | e-portfolios (e.g., VoiceThread) |  |  |  |  |
| **(l)** | Digital contents linked with paper-based textbooks |  |  |  |  |
| **(m)** | Digital textbooks |  |  |  |  |
| **(n)** | Educational virtual reality and/or augmented reality apps (e.g., The Body VR, Google Earth VR, Math Alive) |  |  |  |  |
| **(o)** | Adaptive learning systems (software that gathers and uses student data to deliver personalized resources and learning activities to address the individual needs of students) |  |  |  |  |
| **(p)** | Interactive whiteboard software (e.g., Limnu, Stormboard, Google Jamboard, Microsoft Whiteboard) |  |  |  |  |

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|  | 2018: Q6 - 2023: Field trial Q6 | | | | |
| Q6 | Are the following hardware resources made available by your school to teachers and students? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Made available to teachers **and** students | Made available **only** to teachers | Made available **only** to students | Not made available |
| **(a)** | 3D printers |  |  |  |  |
| **(b)** | Printers (to print text or graphics on paper) |  |  |  |  |
| **(c)** | Programmable robots or robotic devices (e.g., Bee-bot / Blue-bot, Sphero, Lego Mindstorms, etc.) |  |  |  |  |
| **(d)** | Programmable microcontrollers (e.g., Microbit, Arduino, etc.) |  |  |  |  |
| **(e)** | Virtual reality devices (e.g., Google Cardboard, Google Daydream, Oculus Quest, etc.) |  |  |  |  |
| **(f)** | Sensors for data logging and analysis |  |  |  |  |
| **(g)** | Graphic tablets with digital pens for drawing |  |  |  |  |
| **(h)** | Digital audio recording devices |  |  |  |  |
| **(i)** | Digital video recording devices |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q7a - 2023: Field trial Q7a | | |
| Q7A | In your school, approximately how many of the following types of (school-provided) ICT devices are available? | | |
|  |  | | |
|  | For this question please:   * Count terminals (if they have a keyboard and a screen) as computers * Exclude computers that are not in use (e.g., in storage) * Exclude computers that are only used as servers * Record 0 (zero) if none. | | |
|  |  | All devices in the school | Devices available for student use |
|  | Desktop computers |  |  |
|  | Laptops (including Chromebooks) |  |  |
|  | Tablet devices |  |  |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q7c - 2023: Field trial Q7B | |
| Q7B | In your school, about how many (school-provided) interactive whiteboards are available? | |
|  |  | |
|  | Enter 0 (zero) if none. **(You will be directed to question 8 if you enter “0”)** | |
|  |  | Interactive white boards |

|  |  |  |
| --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q7C | |
| Q7C | Does your school or educational authority provide teaching and learning software specifically for use with interactive whiteboards (e.g., game-based activities, collaborative workspaces, subject-specific activities)? | |
|  |  | |
|  | *(Please mark one choice only)* | |
|  |  | |
|  |  | Yes, for every interactive whiteboard |
|  |  | Yes, but **not** for all interactive whiteboards |
|  |  | No |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | New for 2023 - 2023: Field trial Q8 | | | |
| Q8 | Does your school or educational authority provide teachers with their own ICT devices? | | | |
|  |  | | | |
|  | *(Please mark one choice in each row)* | | | |
|  |  | Yes, for every teacher | Yes, but not for all teachers | No |
| **(a)\_**a) | Desktop or portable computers that must remain in the school (including laptops or Chromebooks) |  |  |  |
| **(b)\_**b) | Portable computers (including laptops or Chromebooks) |  |  |  |
| **(c)\_**c) | Tablet devices |  |  |  |
| **(d)\_**d) | Smartphones |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q9 - 2023: Field trial Q9 | | | | |
| Q9 | Approximately what percentage of students at the eighth grade have access to portable computers (laptops, Chromebooks or tablet devices) at school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | 0 to 25% | 26 to 50% | 51 to 75% | 76 to 100% |
| **(a)** | Students provided with portable computers by their school for use at school only |  |  |  |  |
| **(b)** | Students provided with portable computers by their school for use at home and at school |  |  |  |  |
| **(c)** | Students bring their own portable computers which they own to use at school |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q10 - 2023: Field trial Q10 | | |
| Q10 | Where are the ICT devices used by students in eighth grade located? | | |
|  |  | | |
|  | (Please mark one choice in each row) | | |
|  |  | Yes | No |
| **(a)** | Installed in most classrooms (80% or more) |  |  |
| **(b)** | Installed in computer laboratories |  |  |
| **(c)** | As class sets of computers that can be moved between classrooms |  |  |
| **(d)** | Installed in the school library |  |  |
| **(e)** | Installed in other places accessible to students (e.g., cafeteria, auditorium, study area, etc.) |  |  |
| **(f)** | The school provides students with devices that most or all students (80% or more) bring to class |  |  |
| **(g)** | Students own their own devices that most or all students (80% or more) bring to class |  |  |

|  |  |  |
| --- | --- | --- |
|  | **New for 2023 - 2023: Field trial Q11** | |
|  | **This question is an international option.** | |
| **Q11** | **Does your school or educational authority provide software for the school to monitor and report on students’ ICT use at school (e.g., tracking the websites visited by students)?** | |
|  | *(Please mark one choice only)* | |
|  | Yes, all students’ ICT use can be monitored and reported |  |
|  | Yes, some of the students’ ICT use can be monitored and reported |  |
|  | No (**You will be directed to question 12)** |  |

|  |  |  |
| --- | --- | --- |
|  | **New for 2023 - 2023: Field trial Q11A** | |
|  | **This question is an international option.** | |
| **Q11A** | **What information is recorded from the software about students’ ICT use at school?** | |
|  | *(Please mark all choices that apply)* | |
|  | The content and metadata of students’ communications with others (e.g., using email or chat) |  |
|  | A list of the websites visited by students |  |
|  | The amount of time students spent on websites and using applications |  |
|  | Automatically detected misuse of ICT by students |  |

|  |  |  |
| --- | --- | --- |
|  | **New for 2023 - 2023: Field trial Q11B** | |
|  | **This question is an international option.** | |
| **Q11B** | **How does your school make use of the information recorded from the software about students’ ICT use at school?** | |
|  | *(Please mark all choices that apply)* | |
|  | To manage students who are reported to be misusing ICT according to the relevant school policy |  |
|  | To automatically lock students’ access to ICT if the system detects misuse of ICT by that student |  |
|  | To help students self-regulate their ICT use for learning by using their individual student ICT-use data |  |
|  | To keep a record of the websites visited by students |  |
|  | To provide reports from the software to an education authority |  |

# 3: ICT Support in Your School

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q11 - 2023: Field trial Q12 | | |
| Q12 | At your school, who provides routine/day-to-day *technical* ICT support? | | |
|  |  | | |
|  | (Please mark one choice in each row) | | |
|  |  | Yes | No |
| **(a)** | Yourself |  |  |
| **(b)** | A network administrator in the school (other than yourself) |  |  |
| **(c)** | ICT technical staff at the school (other than yourself) |  |  |
| **(d)** | Administrators or school staff (other than yourself) |  |  |
| **(e)** | Teachers (other than yourself) |  |  |
| **(f)** | Staff from the relevant education authority responsible for the school |  |  |
| **(g)** | Personnel from external companies contracted to provide maintenance |  |  |
| **(h)** | Students from this school |  |  |
| **(i)** | Other |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | 2018: Q12 - 2023: Field trial Q13 | | |
| Q13 | At your school, who provides routine/day-to-day *pedagogical* ICT support for teachers? | | |
|  |  | | |
|  | (Please mark one choice in each row) | | |
|  |  | Yes | No |
| **(a)** | Yourself |  |  |
| **(b)** | ICT technical staff at the school (other than yourself) |  |  |
| **(c)** | Administrators or school staff (other than yourself) |  |  |
| **(d)** | Librarians, library staff, or information specialists (other than yourself) |  |  |
| **(e)** | Teachers (other than yourself) |  |  |
| **(f)** | Staff from the relevant education authority responsible for the school |  |  |
| **(g)** | Other |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q13 - 2023: Field trial Q14 | | | | |
| Q14 | To what extent is the use of ICT in teaching and learning at your school hindered by each of the following obstacles? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | A lot | To some extent | Very little | Not at all |
| **(a)** | Not enough computers with an Internet connection |  |  |  |  |
| **(b)** | Insufficient Internet bandwidth or speed |  |  |  |  |
| **(c)** | Not enough computers for instruction |  |  |  |  |
| **(d)** | Not enough sufficiently powerful computers |  |  |  |  |
| **(e)** | Problems in maintaining ICT equipment |  |  |  |  |
| **(f)** | Not enough computer software |  |  |  |  |
| **(g)** | Not enough sufficiently experienced/qualified staff to manage technical ICT support |  |  |  |  |
| **(h)** | Inefficient technical ICT support (e.g., provision of new resources takes too long, the time to fix technical problems is too long) |  |  |  |  |
| **(i)** | Not enough screens for displaying digital content (e.g., TVs, projectors, large display monitors, smartboards, etc.) |  |  |  |  |

# 4: Using ICT in Teaching and Learning at Your School

|  |  |  |
| --- | --- | --- |
|  | New for 2023 - Not used in FT – identical to MS TQ Q11, PQ 13 | |
| Q15 | Does your school have a clear vision/plan for using ICT to support teaching and learning? | |
|  | (Please mark one choice only) | |
|  | No |  |
|  | Yes, and this helps improve the effective use of ICT in teaching and learning |  |
|  | Yes, but this **does not** help improve the effective use of ICT in teaching and learning |  |

|  |  |  |
| --- | --- | --- |
|  | **New for 2023: - 2023: Field trial Q18** | |
| **Q16** | **Does your school provide teachers with digital learning materials and other resources to assist their use of ICT in their teaching?** | |
|  | *(Please mark one choice only)* | |
|  | No, teachers find or develop their own digital learning materials and other resources, without them being provided by the school |  |
|  | Yes, teachers are provided with digital learning materials and other resources they can use, but the school **does not** offer support to address teachers’ professional learning needs regarding their use |  |
|  | Yes, teachers are provided with digital learning materials and other resources, and the school offers support to address teachers’ professional learning needs regarding their use |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | New for MS – Not used in FT – Identical to MS TQ Q12, PQ P18 | | | | |
| Q17 | To what extent do you agree or disagree with the following statements about the shared understanding of the use of ICT in your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree |
| **(a)** | Teachers have a shared understanding of the use of ICT to support teaching and learning within their subject areas or specialties. |  |  |  |  |
| **(b)** | Teachers have a shared understanding of general approaches (relevant across subjects) to using ICT to support teaching and learning. |  |  |  |  |
| **(c)** | Teachers talk with their colleagues about the use of ICT in teaching. |  |  |  |  |
| **(d)** | Teachers have a shared understanding about the use of ICT for students with special needs or specific learning difficulties. |  |  |  |  |
| **(e)** | Teachers have a shared understanding about how to use ICT to support students’ personalized learning. |  |  |  |  |

|  |  |  |
| --- | --- | --- |
|  | **New for 2023: - 2023: Field trial Q20** | |
| **Q18** | **What is the primary source of evidence used by the school to assess the effectiveness of the professional learning activities that are in place to enhance the use of ICT in teaching and learning?** | |
|  |  | |
|  | *(Please mark one choice only)* | |
| **(a)** | The effectiveness of professional learning activities is **not** assessed |  |
| **(b)** | Observations of the level of teachers’ engagement during professional learning activities |  |
| **(c)** | Feedback provided by teachers following their participation in professional learning activities |  |
| **(d)** | Observations of changes in teachers’ use of ICT in their teaching practice following their participation in the professional learning activities |  |
| **(e)** | Observations of changes in student learning outcomes that are considered to result from changes in teachers’ use of ICT in the classroom |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q13 - 2023: Field trial Q23 | | | | |
| Q19 | To what extent is the use of ICT in teaching and learning at your school hindered by each of the following obstacles? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | A lot | To some extent | Very little | Not at all |
| **(a)** | Insufficient ICT skills among teachers |  |  |  |  |
| **(b)** | Insufficient time for teachers to prepare lessons |  |  |  |  |
| **(c)** | Insufficient effective professional learning resources for teachers |  |  |  |  |
| **(d)** | Lack of an effective online learning support platform |  |  |  |  |
| **(e)** | Insufficient incentives for teachers to integrate ICT use in their teaching |  |  |  |  |
| **(f)** | Restricted access to useful Internet resources |  |  |  |  |
| **(g)** | Insufficient pedagogical support for the use of ICT |  |  |  |  |
| **(h)** | Insufficient access to useful teaching and learning software |  |  |  |  |
| **(i)** | Lack of a school-wide vision for using ICT to support teaching and learning |  |  |  |  |
| **(j)** | The school’s ICT use policy prevents the use of valuable ICT resources that would support teaching and learning |  |  |  |  |

**THANK YOU FOR YOUR TIME AND EFFORT   
IN COMPLETING THIS QUESTIONNAIRE**

1. ICILS 2023 Main Study Principal Questionnaire (all questions)



**INTERNATIONAL COMPUTER AND INFORMATION LITERACY STUDY**

**(ICILS) 2023**

*Principal Questionnaire*

Main Survey

**For Official Use**

***Prepared by:***

IEA

A black and white logo

Description automatically generated with low confidenceINTRODUCTION TO THE SCHOOL PRINCIPAL QUESTIONNAIRE

About this questionnaire

Thank you for taking part in the main survey for the 2023 International Computer and Information Literacy Study (ICILS). The purpose of this study is to examine, across different countries, the extent to which young people in eighth grade have developed computer and information literacy, which is defined as *the ability to use Information and Communications Technology (ICT) to investigate, create, and communicate with others at home, school, the workplace and in society.*

In this questionnaire ICT can refer to:

* Computers (including desktop, laptop, Chromebook, and tablet devices)
* Smartphones, except when being used for chat (e.g., using WhatsApp, Snapchat, Instagram), talk, and text

In this questionnaire you will find questions about:

* Your school
* ICT in teaching and learning at your school
* You and your use of ICT

Please answer the questions with reference to your whole school (i.e., including all grades).

For some of the questions you are asked to answer referring only to eighth-grade students. Please look at the instructions given in each of the questions.

Please answer as accurately as you can. You will mostly answer by clicking on a button. You can change your responses at any time until you have clicked on ‘Finish’ at the end of the questionnaire. After this point, you can no longer change any of your answers.

We have estimated that it will take less than 30 minutes of your time to complete the questionnaire. Thank you for making that time available.

Completing the questionnaire

To begin the questionnaire, please click on the “Next” button. When navigating through the questionnaire, make sure to save your responses by clicking on the “Next” or “Previous” button, or by clicking on the Table of Contents link. To go to a particular section or item, please click on the corresponding link in the “Table of Contents.” For some questions, you will be automatically taken to the appropriate next question based on your response.

You may exit the questionnaire by clicking on the Logout link at any time and log in again later. All your responses will be saved automatically and be available for you when resuming the questionnaire at a later point.

When you have completed the questionnaire, please click on the “Finish” button at the end of the questionnaire to submit your answers. You will not be able to re-enter the questionnaire once you have submitted your answers.

We thank you for your effort and cooperation!

The National Center for Education Statistics (NCES), within the U.S. Department of Education, conducts ICILS in the United States as authorized by the Education Sciences Reform Act of 2002 (ESRA 2002, 20 U.S.C. §9543). All of the information you provide may be used only for statistical purposes and may not be disclosed, or used, in identifiable form for any other purpose except as required by law (20 U.S.C. §9573 and 6 U.S.C. §151).

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless such collection displays a valid OMB control number. The valid OMB control number for this voluntary information collection is 1850-0803. The time required to complete this information collection is estimated to average 30 minutes per principal, including the time to review instructions, search existing data resources, gather the data needed, and complete and review the information collection. If you have any comments or concerns regarding the accuracy of the time estimate(s), suggestions for improving the form, or questions about the status of your individual submission of this form, write directly to: International Computer and Information Literacy Study (ICILS), National Center for Education Statistics, Potomac Center Plaza (PCP), 550 12th St., SW, 4th floor, Washington, DC 20202.

OMB No. 1850-0803, Approval Expires xx/xx/20xx.

# About Your School

*When answering the questions in this section, please refer to the definition of ‘school’ given in the note at the beginning of this questionnaire.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **2018: Q3 - 2023: Field trial Q1** | | | |
| **Q1** | **How many female students and male students are there in your school?** | | | |
|  | Record 0 (zero) if none. | | | |
|  |  | Total number of female students |  | Total number of male students |
|  |  | | | |
|  | 2018: Q4 *-* 2023: Field trial Q2 | | | |
| **Q2** | **How many female students and male students are there in eighth grade?** | | | |
|  | Record 0 (zero) if none. | | | |
|  |  | Total number of female students |  | Total number of male students |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q5 *-* 2023: Field trial Q3 | |
| **Q3** | 1. What is the lowest (youngest) grade/year group that is taught at your school? | |
|  | (Please mark one choice only) | |
|  | Preschool |  |
|  | Kindergarten |  |
|  | First grade |  |
|  | Second grade |  |
|  | Third grade |  |
|  | Fourth grade |  |
|  | Fifth grade |  |
|  | Sixth grade |  |
|  | Seventh grade |  |
|  | Eighth grade |  |
|  |  |  |
|  | 1. What is the highest (oldest) grade/year group that is taught at your school? | |
|  | (Please mark one choice only) | |
|  | Eighth grade |  |
|  | Ninth grade |  |
|  | Tenth grade |  |
|  | Eleventh grade |  |
|  | Twelfth grade |  |
|  |  |  |
|  |  |  |
|  |  |  |
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| --- | --- | --- |
|  | 2018: Q6 *-* 2023: Field trial Q4 | |
| **Q4** | **How many full-time and part-time teachers are there in your school?** | |
|  | A full-time teacher is employed on a regular basis as a teacher for at least 90% of the full-time hours for the full school year. All other teachers should be considered part-time. | |
|  | Record 0 (zero) if none. | |
| **(a)\_**a) |  | Total number of full-time teachers |
| **(b)\_**b) |  | Total number of part-time teachers |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q7 *-* 2023: Field trial Q5 |  |
| Q5 | Which of the following best describes where your school is located? |  |
|  | (*Please mark one choice only)* |  |
|  | In a community with fewer than 3,000 people |  |
|  | In a town with at least 3,000 but less than 15,000 people |  |
|  | In a town with at least 15,000 but less than 100,000 people |  |
|  | In a city with at least 100,000 but less than 1,000,000 people |  |
|  | In a city with 1,000,000 or more people |  |

|  |  |  |
| --- | --- | --- |
|  | 2018: Q8 *-* 2023: Field trial Q6A | |
| Q6A | Is your school a public or a private school? | |
|  | (Please mark one choice only) |  |
|  | A public school  *(This is a school managed directly or indirectly by a public education authority, government agency, or governing board, appointed by the government or elected by a public franchise.)* |  |
|  | A private school  *(This is a school managed directly or indirectly by a non-government organization; for example, a church, trade union, business, or other private institution.)* |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q8b *-* 2023: Field trial Q6B | | | | |
|  | This question is an international option. | | | | |
| Q6B | Approximately what percentage of students in your school have the following socio-economic backgrounds? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | *0 to 10%* | *11 to 25%* | *26 to 50%* | *More than 50%* |
| **(a)** | Come from socio-economically affluent homes |  |  |  |  |
| **(b)** | Come from socio-economically disadvantaged homes |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
|  | **New for 2023 – Not used in Field Trial** | | |
| **Q7** | **Please answer questions i and ii for each of the school years listed below. Please respond on behalf of your current school for all school years, even if you have not worked at this school for all school years listed.**   1. **For how many weeks did in-person instruction for eighth-grade students not take place in your school because of the COVID-19 pandemic?** 2. **During this time, for how many weeks was digitally supported remote learning partially or fully implemented for eighth-grade students?** | | |
|  |  | | |
|  | *(Please enter a whole number of weeks for each of i and ii in each row.)* | | |
|  |  | **i**  *Number of weeks in-person instruction did not take place* | **ii**  *Number of weeks digitally supported remote learning implemented* |
| **(a)** | 2022 – 2023 school year |  |  |
| **(b)** | 2021 – 2022 school year |  |  |
| **(c)** | 2020 – 2021 school year |  |  |
| **(d)** | 2019 – 2020 school year |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Q8 | New for 2023– not used in field trial | | | | | |
|  | How has the experience of the COVID-19 pandemic affected the following aspects of teaching and learning at your school? | | | | | |
|  | *(Please mark one choice in each row)* | | | | | |
|  |  | *Substantially increased* | *Increased to some degree* | *Did not change* | *Decreased to some degree* | *Substantially decreased* |
| **(a)** | Teachers’ willingness to use ICT in their teaching | **◼** | **◼** | **◼** | **◼** | **◼** |
| **(b)** | The effectiveness of teachers’ use of ICT in their teaching | **◼** | **◼** | **◼** | **◼** | **◼** |
| **(c)** | Students’ learning progress in Language arts: English | **◼** | **◼** | **◼** | **◼** | **◼** |
| **(d)** | Students’ learning progress in Mathematics | **◼** | **◼** | **◼** | **◼** | **◼** |
| **(e)** | Students’ learning progress across all subjects | **◼** | **◼** | **◼** | **◼** | **◼** |
| **(f)** | Students’ digital literacy skills | **◼** | **◼** | **◼** | **◼** | **◼** |

|  | **New for 2023 *-* 2023: Field trial Q7** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Q9** | **Who actively contributes to supporting the use of ICT in teaching and learning in your school for the following aspects?** | | | | | | | |
|  | *(Please mark as many choices as apply in each row)* | | | | | | | |
|  |  | *Ministry, department  or local/district authority* | *An external consultant/specialist in the use of ICT in education* | *School board/ councils or education sub-committees* | *School principal  or deputy* | *ICT leaders or an ICT leadership group formally assigned by the school* | *Teachers or staff with a special interest in ICT (not formally assigned by the school)* | *No one* |
| **(a)** | Establishing and revising the school vision for using ICT to support teaching and learning |  |  |  |  |  |  |  |
| **(b)** | Identifying or selecting the people responsible for leading the use of ICT to support teaching and learning |  |  |  |  |  |  |  |
| **(c)** | Connecting the school vision for using ICT to support teaching and learning to the teaching practices within the school’s context |  |  |  |  |  |  |  |
| **(d)** | Establishing goals for teachers on the use of ICT to support their teaching practice |  |  |  |  |  |  |  |
| **(e)** | Evaluating the extent to which teachers’ use of ICT supports students’ learning in the school |  |  |  |  |  |  |  |
| **(f)** | Selecting professional learning activities for teachers which focus on using ICT to support teaching and learning |  |  |  |  |  |  |  |
| **(g)** | Evaluating the effectiveness of the professional learning activities that the teachers participated in, which focused on using ICT to support teaching and learning |  |  |  |  |  |  |  |
| **(h)** | Selecting appropriate ICT-based teaching and learning materials for specific content areas |  |  |  |  |  |  |  |
| **(i)** | Planning within-school programs (such as mentoring, team-teaching, or classroom observations) to support teachers to use ICT for their teaching practice |  |  |  |  |  |  |  |
| **(j)** | Planning for the use of ICT to support the personalized learning needs of individual students or groups of students |  |  |  |  |  |  |  |

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|  | 2018: Q13 *-* 2023: Field trial Q8 | | |
| Q10 | Does your school have policies concerning the following aspects of ICT use? | | |
|  |  | | |
|  | (Please mark one choice in each row) | | |
|  |  | *Yes* | *No* |
| **(a)** | The provision of security measures to prevent unauthorized system access or entry |  |  |
| **(b)** | Restrictions on the number of hours students are allowed to spend on a computer |  |  |
| **(c)** | Student access to school computers outside class hours but during school hours |  |  |
| **(d)** | Student access to school computers outside school hours |  |  |
| **(e)** | The fulfillment of intellectual property rights (e.g., software copyrights) |  |  |
| **(f)** | Prohibitions of access to inappropriate material (e.g., pornography, violence, etc.) |  |  |
| **(g)** | Students’ use of non-school related games on school computers |  |  |
| **(h)** | The provision of access to school computers and/or the Internet for the local community (parents and/or others) |  |  |
| **(i)** | Support for students with special needs or specific learning difficulties |  |  |
| **(j)** | Unacceptable behaviors towards other students (e.g., cyberbullying) |  |  |
| **(k)** | The provision of laptop computers and/or other mobile learning devices for students’ use at school |  |  |
| **(l)** | The provision of laptop computers and/or other mobile learning devices for students’ use at home |  |  |
| **(m)** | Students’ use of their own ICT devices at school |  |  |
| **(n)** | Students’ use of school-owned ICT devices at or outside of school |  |  |
| **(o)** | The collection, use, and disclosure of photographs, video, audio, and other digital recordings of students |  |  |
| **(p)** | The availability of digital learning resources (from education authorities, commercial, and/or other providers) for teachers |  |  |

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|  | 2018: Q9 *-* 2023: Field trial Q9 | | | | |
| Q11 | How important is each of the following outcomes of education in your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Very  important | Quite  important | Somewhat important | Not  important |
| **(a)** | The development of students’ basic computer skills (e.g., Internet use, email, word processing, presentation software, etc.) |  |  |  |  |
| **(b)** | The development of students’ skills in using ICT for collaboration |  |  |  |  |
| **(c)** | The use of ICT for facilitating students’ responsibility for their own learning |  |  |  |  |
| **(d)** | The use of ICT to augment and improve students’ learning |  |  |  |  |
| **(e)** | The development of students’ understanding and skills relating to safe and appropriate use of ICT |  |  |  |  |
| **(f)** | The development of students’ proficiency in accessing and using information with ICT |  |  |  |  |
| **(g)** | The development of students’ capacity to use ICT to produce multimedia and digital content to communicate effectively with an audience |  |  |  |  |
| **(h)** | The development of students’ ability to write or create apps or programs |  |  |  |  |
| **(i)** | The development of students’ proficiency in protecting themselves from deceptive Internet practices (e.g., scams, fake news, fake images, fake reviews, bots, etc.) |  |  |  |  |
| **(j)** | The development of students’ proficiency in computational thinking |  |  |  |  |

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|  | 2018: Q11 *-* 2023: Field trial Q10 | | | |
| Q12 | Are teachers in your school expected to acquire knowledge and skills in each of the following activities? | | | |
|  |  | | | |
|  | (Please mark one choice in each row) | | | |
|  |  | Expected and required | Expected but not required | Not expected |
| **(a)** | Integrate Web-based learning into their instructional practice |  |  |  |
| **(b)** | Use ICT-based forms of student assessment |  |  |  |
| **(c)** | Use ICT for monitoring student progress |  |  |  |
| **(d)** | Collaborate with other teachers via ICT |  |  |  |
| **(e)** | Communicate with parents via ICT |  |  |  |
| **(f)** | Communicate with students via ICT |  |  |  |
| **(g)** | Integrate ICT into teaching and learning |  |  |  |
| **(h)** | Use subject-specific digital learning resources (e.g., tutorials, simulation, etc.) |  |  |  |
| **(i)** | Use e-portfolios for assessment |  |  |  |
| **(j)** | Use ICT to develop authentic (real-life) assignments for students |  |  |  |
| **(k)** | Assess students’ computer and information literacy |  |  |  |
| **(l)** | Use ICT to support students with special needs or specific learning difficulties |  |  |  |
| **(m)** | Manage social issues relating to technology-mediated student interactions (e.g., cyberbullying) |  |  |  |
| **(n)** | Assess students’ computational thinking |  |  |  |

# USING ICT IN TEACHING AND LEARNING AT YOUR SCHOOL

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|  | **New for 2023 *-* 2023: Field trial Q11 Identical to MS TQ11, CQ15** | |
| **Q13** | **Does your school have a clear** **vision/plan for using ICT to support teaching and learning?** | |
|  | *(Please mark one choice only)* | |
|  | No (You will be directed to **question 16)** |  |
|  | Yes, and it helps improve the effective use of ICT in teaching and learning |  |
|  | Yes, but it **does not** help improve the effective use of ICT in teaching and learning |  |

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|  | **New for 2023 *-* 2023: Field trial Q12** | |
| **Q14** | **How often is the school’s vision/plan for using ICT to support teaching and learning reviewed and revised?** | |
|  | *(Please mark one choice only)* | |
|  | Once every 5 years or less frequently |  |
|  | Once every 2 to 4 years |  |
|  | Once a year |  |
|  | This is an established, ongoing process of improvement |  |

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|  | **New for 2023 – Not used in field trial (adapted from field trial question 24)** | | |
| **Q15** | **Does your school’s vision/plan for using ICT to support teaching and learning include expectations of teachers to use ICT in each of the following aspects of their work?** | | |
|  |  | | |
|  | *(Please mark one choice in each row)* | | |
|  |  | *Yes* | *No* |
| **(a)** | Staying up to date with day-to-day information about the school |  |  |
| **(b)** | Communicating with school colleagues |  |  |
| **(c)** | Communicating with students |  |  |
| **(d)** | Communicating with parents |  |  |
| **(e)** | Student record keeping (e.g., student attendance/absences, permission forms, etc.) |  |  |
| **(f)** | Finding teaching materials |  |  |
| **(g)** | Planning lessons |  |  |
| **(h)** | Presenting instructional material to students |  |  |
| **(i)** | Creating student assignments |  |  |
| **(j)** | Accepting submissions of student work |  |  |
| **(k)** | Providing feedback to students on their work |  |  |
| **(l)** | Assessing and reporting the learning progress of students |  |  |
| **(m)** | Personalizing teaching and learning for diverse student needs |  |  |

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|  | **New for 2023 *-* 2023: Field trial Q16** | | | |
| **Q16** | **Are the following activities and processes used in your school to support the effective use of ICT in teaching and learning?** | | | |
|  | *(Please mark one choice* *in each row)* | | | |
|  |  | *No* | *Yes, and this helps improve the effective use of ICT in teaching and learning* | *Yes, but this* ***does not*** *help improve the effective use of ICT in teaching and learning* |
| **(a)** | Teachers have specific goals regarding their use of ICT to support teaching and learning |  |  |  |
| **(b)** | Teachers are provided individual (one-to-one) support regarding their use of ICT in their teaching |  |  |  |
| **(c)** | Teachers have individualized professional learning plans regarding their use of ICT in their teaching |  |  |  |
| **(d)** | There is a process in place in the school for teachers to use ICT in their teaching through a team-teaching (collaborative teaching) method |  |  |  |
| **(e)** | There is a process in place in the school for teachers to observe other teachers’ use of ICT in their teaching |  |  |  |
| **(f)** | The school evaluates teachers’ use of ICT in their teaching |  |  |  |
| **(g)** | The school evaluates the extent to which teachers’ use of ICT supports students’ learning in the school |  |  |  |

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|  | **New for 2023: New for 2023 *-* 2023: Field trial Q19** | |
|  | **This question is an international option.** | |
| **Q17** | **Are expert or experienced teachers encouraged to mentor their colleagues in the use of ICT in their teaching?** | |
|  | *(Please mark one choice only)* | |
|  | No |  |
|  | Yes, the school provides the mentors time and money to manage this |  |
|  | Yes, the school provides the mentors time but **not** money to manage this |  |
|  | Yes, the school provides the mentors money but **not** time to manage this |  |
|  | Yes, but the school **does not** provide the mentors time or money to manage this |  |

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|  | New for MS - Not used in FT - Identical to MS CQ Q17, TQ12 | | | | |
| Q18 | To what extent do you agree or disagree with the following statements about the shared understanding of the use of ICT in your school? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | Strongly agree | Agree | Disagree | Strongly disagree |
| **(a)** | Teachers have a shared understanding of the use of ICT to support teaching and learning within their subject areas or specialties. |  |  |  |  |
| **(b)** | Teachers have a shared understanding of general approaches (relevant across subjects) to using ICT to support teaching and learning. |  |  |  |  |
| **(c)** | Teachers talk with their colleagues about the use of ICT in teaching. |  |  |  |  |
| **(d)** | Teachers have a shared understanding about the use of ICT for students with special needs or specific learning difficulties. |  |  |  |  |
| **(e)** | Teachers have a shared understanding about how to use ICT to support students’ personalized learning. |  |  |  |  |

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|  | **New for 2023: - 2023: Field trial Q22** | | | | | |
| **Q19** | **How often do teachers have a formally scheduled and allocated time to discuss the following aspects of teaching and learning with ICT?** | | | | | |
|  |  | | | | | |
|  | *(Please mark one choice in each row)* | | | | | |
|  |  | *Never* | *Once or twice a year* | *3 to 5 times a year* | *More than 5 times a year but less than once a month* | *Once a month or more* |
| **(a)** | The quality of students’ work completed using ICT |  |  |  |  |  |
| **(b)** | The range of different types of ICT tasks that are required for students to complete their work |  |  |  |  |  |
| **(c)** | Pedagogical practices with ICT |  |  |  |  |  |
| **(d)** | Strategies to support teachers to use ICT in the classroom to enhance teaching and learning |  |  |  |  |  |
| **(e)** | Evaluating the use of ICT by teachers to support their teaching |  |  |  |  |  |

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|  | 2018: Q15 - 2023: Field trial Q23 | | | | | |
| Q20 | At your school, what priority is given to the following ways of facilitating the use of ICT in teaching and learning? | | | | | |
|  |  | | | | | |
|  | (Please mark one choice in each row) | | | | | |
|  |  | *The school has no influence over this way of facilitating the use of ICT in teaching and learning.* | *High priority* | *Medium priority* | *Low priority* | *Not a priority* |
| **(a)** | Increasing the numbers of computers per student in the school |  |  |  |  |  |
| **(b)** | Improving the speed and reliability of Internet connectivity |  |  |  |  |  |
| **(c)** | Increasing the variety of digital learning resources available for teaching and learning |  |  |  |  |  |
| **(d)** | Establishing or enhancing an online learning support platform |  |  |  |  |  |
| **(e)** | Supporting participation in professional development on the use of ICT in teaching and learning |  |  |  |  |  |
| **(f)** | Increasing the availability of qualified technical personnel to support the use of ICT |  |  |  |  |  |
| **(g)** | Providing teachers with incentives to integrate ICT use in their teaching |  |  |  |  |  |
| **(h)** | Providing more time for teachers to prepare lessons in which ICT is used |  |  |  |  |  |
| **(i)** | Increasing the professional learning resources for teachers in the use of ICT |  |  |  |  |  |
| **(j)** | Fostering collaboration between teachers within the school to support the integration of ICT use in their teaching |  |  |  |  |  |
| **(k)** | Fostering collaboration between teachers in this school and with teachers in other schools (e.g., teacher networks) to support the integration of ICT use in their teaching |  |  |  |  |  |
| **(l)** | Developing a shared vision for using ICT to support teaching and learning |  |  |  |  |  |

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|  | 2018: Q14- 2023: Field trial Q25 | | | | |
| Q21 | Throughout the current school year, how many teachers in your school participate in the following forms of professional development about ICT for teaching and learning? | | | | |
|  |  | | | | |
|  | (Please mark one choice in each row) | | | | |
|  |  | *None or hardly any* | *Some of them* | *Most of them* | *All or nearly all* |
| **(a)** | Courses on the use of ICT in teaching provided by the school or the school system |  |  |  |  |
| **(b)** | Training by another teacher who has attended a course on ICT |  |  |  |  |
| **(c)** | Discussions about the use of ICT in education as a regular item during meetings of the teaching staff |  |  |  |  |
| **(d)** | Observations of colleagues using ICT in their teaching |  |  |  |  |
| **(e)** | Group discussions of teachers about their use of ICT in teaching |  |  |  |  |
| **(f)** | Participation in professional learning programs delivered online |  |  |  |  |
| **(g)** | Participation in courses on ICT conducted by an external agency or expert |  |  |  |  |
| **(h)** | Participation in a community of practice concerned with ICT in teaching |  |  |  |  |

# About you and your use of ICT

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 2018: Q1 - 2023: Field trial Q26 | | | | |
| Q22 | What is your gender? | | | |  |
|  | Female |  | Male | Another gender | |

|  |  |
| --- | --- |
|  | New for 2023- 2023: Field trial Q27 |
| Q23 | How old are you? |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2018: Q2 - 2023: Field trial Q28 | | | | | |
| **Q24** | **How often do you use ICT for the following activities?** | | | | | |
|  |  | | | | | |
|  | (Please mark one choice in each row) | | | | | |
|  |  | Never | Less than once a month | At least once a month but not every week | At least once a week but not every day | Every day |
| **(a)** | Search for information relating to educational policy issues |  |  |  |  |  |
| **(b)** | Provide information about an educational issue |  |  |  |  |  |
| **(c)** | Look up records in a database (e.g., in a student records system) |  |  |  |  |  |
| **(d)** | Maintain, organize and analyze data (e.g., with a spreadsheet or database) |  |  |  |  |  |
| **(e)** | Prepare presentations |  |  |  |  |  |
| **(f)** | Communicate with teachers in your school |  |  |  |  |  |
| **(g)** | Communicate with education authorities |  |  |  |  |  |
| **(h)** | Communicate with principals and senior staff in other schools |  |  |  |  |  |
| **(i)** | Communicate with parents |  |  |  |  |  |
| **(j)** | Work with a learning management system (e.g., Canvas, Moodle, Blackboard, Edmodo) |  |  |  |  |  |
| **(k)** | Manage staff (e.g., scheduling, professional development) |  |  |  |  |  |
| **(l)** | Prepare the curriculum |  |  |  |  |  |
| **(m)** | School financial management |  |  |  |  |  |

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|  | New for 2023 - Not used in FT |
| **Q25** | **For this school year, were the following actions taken to prepare for teaching in a remote learning format?** |
|  | *Remote learning refers to students learning only from home or a location other than the school building. Please only consider remote learning that occurs for more than a week.* |
|  | (Please mark one choice in each row) |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Yes, before the school year | Yes, during this school year | Yes, before and during this school year | No |
| Training of teachers and staff on the use of digital applications for conducting remote learning (e.g., Google Classroom, Zoom) |  |  |  |  |
| Training of students and/or their parents/guardians on the use of digital devices and applications for remote learning (e.g., Google Classroom, Zoom) |  |  |  |  |
| Preparing digital resources for students’ remote learning (e.g., curating existing resources, designing new resources) |  |  |  |  |
| Preparing paper-based resources for students’ remote learning (e.g., curating existing resources, designing new resources) |  |  |  |  |
| Adapting existing curriculum plans and resources for remote learning |  |  |  |  |
| Planning additional instructional support for students with disabilities (SD) |  |  |  |  |
| Planning additional instructional support for English language learners (ELLs) |  |  |  |  |

**THANK YOU FOR YOUR TIME AND EFFORT IN COMPLETING THIS QUESTIONNAIRE**