ICT QUESTIONNAIRE FOR PISA 2022

(International Option)

Main Survey Version

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The following questions will ask you about digital resources that you may use, both inside and outside of school. Digital resources refer here to the following:

- **digital devices** or "hardware" (e.g., computers, tablets, smartphones, 3D printers)
- **software** (e.g., programs, Apps, communication tools, educational learning tools); and
- **online resources** (e.g., websites, web portals).

Please think of <u>all</u> of these when answering the questions on the following screens.

IC170

This school year, how often did you use the following <digital resources> at school?

(Please select one response in each row.)

		Never or almost never	*About once or twice a month*	*About once or twice a week*	*Every day or almost every day*	*Several times a day*	*This resource is not available to me at school.*
IC170Q01JA	Desktop or laptop computer	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q02JA	Smartphone (i.e. mobile phone with Internet access)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q03JA	<Tablet device> (e.g.<iPad®>, <Galaxy Book®>,) or <e-book reader> (e.g. <Amazon® Kindle™>, <Kobo®>)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q04JA	Internet access (except on smartphones)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q05JA	School portal (to consult timetable, absences, etc.)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q06JA	Educational software, games or Apps, other learning tools (e.g. <CK-12™> or <Mathalicious®> online support)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC170Q07JA	A learning management system or school learning platform (e.g. <Blackboard®>, <Edmodo®>, <Moodle®>, <Google® Classroom™>)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$

IC171

This school year, how often did you use the following <digital resources> <u>outside of school</u> (e.g., at home or where you usually access <digital resources>)?

(Please select one response in each row.)

		Never or almost never	About once or twice a month	About once or twice a week	Every day or almost every day	Several times a day	This resource is not available to me outside of school.
IC171Q01JA	Desktop or laptop computer	☐01	☐02	☐03	☐04	☐05	☐06
IC171Q02JA	Smartphone (i.e. mobile phone with Internet access)	☐01	☐02	☐03	☐04	☐05	☐06
IC171Q03JA	<Tablet device> (e.g.<iPad®>, <Galaxy Book®>,) or <e-book reader> (e.g., <Amazon® Kindle™>, <Kobo®>)	☐01	☐02	☐03	☐04	☐05	☐06
IC171Q04JA	Internet access (except on smartphones)	☐01	☐02	☐03	☐04	☐05	☐06
IC171Q05JA	Educational software, games or Apps, other learning tools (e.g. <CK-12™> or <Mathalicious®> online support)	☐01	☐02	☐03	☐04	☐05	☐06
IC171Q06JA	Video or online games (e.g. used with game consoles such as a < Play Station 4®> or <Nintendo Wii®>, online gaming platforms such as <Steam®> or gaming Apps such as <Angry Birds®>)	☐01	☐02	☐03	☐04	☐05	☐06

IC172 The following question is about the availability, accessibility and quality of <digital resources> at your school.

To what extent do you agree or disagree with the following statements?

(Please think of different kinds of <digital resources> such as desktop computers, laptops, smartphones and tablet devices as well as educational software and other digital learning tools.)

(Please select one response in each row.)

	Strongly disagree	*Disagree*	*Agree*	*Strongly agree*
IC172Q01JA There are enough <digital resources> for every student at my school.	☐01	☐02	☐03	☐04
IC172Q02JA There are enough digital devices with access to the Internet at my school.	☐01	☐02	☐03	☐04
IC172Q03JA The school's Internet speed is sufficient.	☐01	☐02	☐03	☐04
IC172Q04JA <Digital resources> function properly at my school.	☐01	☐02	☐03	☐04
IC172Q05JA <Digital resources> are easily accessible within the classroom.	☐01	☐02	☐03	☐04
IC172Q06JA Digital learning resources available at my school make learning interesting.	☐01	☐02	☐03	☐04
IC172Q07JA The school provides sufficient technical support to help students in their use of <digital resources>.	☐01	☐02	☐03	☐04
IC172Q08JA Teachers at my school have the necessary skills to use digital devices during instruction.	☐01	☐02	☐03	☐04
IC172Q09JA Teachers at my school are willing to use <digital resources> for teaching.	☐01	☐02	☐03	☐04

IC173

How often do you use <digital resources> in the following classroom lessons?

(Please select one response in each row.)

		Never or almost never	*In less than half of the lessons*	*In about half of the lessons*	*In more than half of the lessons*	*In every or almost every lesson*	*I do not have this subject*
IC173Q01JA	<Test language>	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC173Q02JA	<Mathematics>	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC173Q03JA	<Science>	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC173Q04JA	<Computer science>, <information technology>, <informatics> or similar lessons	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$

IC174 The following statements are about the use of <digital resources> for school related activities in general (i.e. during lessons or when completing homework).

This school year, how often did you use <digital resources> to conduct the following activities?

(Please select one response in each row.)

	Never or almost never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day
IC174Q01JA — Create a multi-media presentation with pictures, sound or video	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q02JA — Write or edit text for a school assignment (e.g. using <Google® Docs™>, <Microsoft® Word>)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q03JA — Find information online about real-world problems or phenomena (e.g. climate change, oil spills, measuring the height of a building)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q04JA — Collect and record data (e.g. using data loggers, <Microsoft® Access™>, <Google® Form>, spreadsheets)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q05JA — Analyse data that you have collected yourself (e.g. using <Microsoft® Excel™>)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q06JA — Report or share your results from your own experiments or investigations	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q07JA — Plan and manage work or projects (e.g. dividing tasks, managing deadlines)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q08JA — Track the progress of your own work or projects	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q09JA — Collaborate with other students to create digital content (e.g. presentation, etc.)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$
IC174Q10JA — Play digital learning games (e.g. <Atlantis Remixed>, <Duolingo®>)	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$

IC175 The following statements are about the use of <digital resources> for school related activities in general (i.e. during lessons or when completing homework).

This school year, how often did you use <digital resources> for the following activities?

(Please select one response in each row.)

	Never or almost never	About once or twice a year	About once or twice a month	About once or twice a week	Every day or almost every day
IC175Q01JA Read or listen to feedback sent by my teachers regarding my work and academic results	☐01	☐02	☐03	☐04	☐05
IC175Q02JA Read or listen to feedback sent by other students on my work	☐01	☐02	☐03	☐04	☐05
IC175Q03JA Read or listen to feedback automatically selected for me by an educational software or App	☐01	☐02	☐03	☐04	☐05
IC175Q05JA Work on drill and practice exercises using an educational software or App	☐01	☐02	☐03	☐04	☐05

IC176 The following statements are about the use of <digital resources> for school-related activities <u>outside of classroom hours</u>.

This school year, how often did you use <digital resources> for the following activities?

(Please select one response in each row.)

		Never or almost never	*About once or twice a year*	*About once or twice a month*	*About once or twice a week*	*Every day or almost every day*
IC176Q01JA	See my grades or results from specific assignments (e.g. homework or tests)	☐01	☐02	☐03	☐04	☐05
IC176Q02JA	Browse the Internet for schoolwork (e.g. for preparing an essay or presentation)	☐01	☐02	☐03	☐04	☐05
IC176Q03JA	Browse the Internet to follow up lessons (e.g. for finding explanations)	☐01	☐02	☐03	☐04	☐05
IC176Q04JA	Receive or download assignments or instructions (via <digital resources>) from my teacher	☐01	☐02	☐03	☐04	☐05
IC176Q05JA	Upload my work (e.g. documents or presentations) to a school portal or another platform to share materials with my teacher and/or students	☐01	☐02	☐03	☐04	☐05
IC176Q06JA	Communicate with my teacher	☐01	☐02	☐03	☐04	☐05
IC176Q07JA	Communicate with other students about schoolwork	☐01	☐02	☐03	☐04	☐05
IC176Q08JA	Search for information on school-related activities or assignments	☐01	☐02	☐03	☐04	☐05

IC184 **How often do you use <digital resources> for the following in your mathematics lessons or when completing homework?**

(Please select one response in each row.)

	Never or almost never	*About once or twice a year*	*About once or twice a month*	*About once or twice a week*	*Every day or almost every day*	*Does not apply*
IC184Q01JA I use <digital resources> for simple calculations.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC184Q02JA I use <digital resources> to solve equations.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC184Q03JA I use <digital resources> for simulations and modelling (e.g. <GeoGebra>, <NetLogo>), virtual laboratories (e.g. <Labster>).	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$
IC184Q04JA I use <digital resources> for coding or algorithm activities (e.g. using <Scratch>, etc.).	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$	$\square_{05}$	$\square_{06}$

IC177

During a *typical* <u>week day</u>, how much time do you spend doing the following leisure activities?

(Please select one response in each row.)

	No time at all	*Less than 1 hour a day*	*Between 1 and 3 hours a day*	*More than 3 hours and up to 5 hours a day*	*More than 5 hours and up to 7 hours a day*	*More than 7 hours a day*
IC177Q01JA Play video-games (using my smartphone, a gaming console or an online platform or Apps)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q02JA Browse social networks (e.g. <Instagram®>, <Facebook®>)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q03JA Browse the Internet (excluding social networks) for fun (e.g. reading news, listening to podcasts and music or watching videos)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q04JA Look for practical information online (e.g. find a place, book a train ticket, buy a product)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q05JA Communicate and share digital content on social networks or any communication platform (e.g. <Facebook®>, <Instagram®>, <Twitter®>, emails, chat)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q06JA Read, listen to or view informational materials to learn how to do something (e.g. tutorial, podcast)	☐01	☐02	☐03	☐04	☐05	☐06
IC177Q07JA Create or edit my own digital content (pictures, videos, music, computer programs)	☐01	☐02	☐03	☐04	☐05	☐06

IC178

During a *typical* <u>weekend</u> day, how much time do you spend doing the following leisure activities?

(Please select one response in each row.)

	No time at all	*Less than 1 hour a day*	*Between 1 and 3 hours a day*	*More than 3 hours and up to 5 hours a day*	*More than 5 hours and up to 7 hours a day*	*More than 7 hours a day*
IC178Q01JA Play video-games (using my smartphone, a gaming console or an online platform or Apps)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q02JA Browse social networks (e.g. <Instagram®>, <Facebook®>)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q03JA Browse the Internet (excluding social networks) for fun (e.g. reading news, listening to podcasts and music or watching videos)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q04JA Look for practical information online (e.g. find a place, book a train ticket, buy a product)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q05JA Communicate and share digital content on social networks or any communication platform (e.g. <Facebook®>, <Instagram®>, <Twitter®>, emails, chat)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q06JA Read, listen to or view informational materials to learn how to do something (e.g. tutorial, podcast)	☐01	☐02	☐03	☐04	☐05	☐06
IC178Q07JA Create or edit my own digital content (pictures, videos, music, computer programs)	☐01	☐02	☐03	☐04	☐05	☐06

IC179

The following statements are about your views on school rules regarding <digital resources>.

To what extent do you agree or disagree with the following statements?

(Please select one response in each row.)

		Strongly disagree	*Disagree*	*Agree*	*Strongly agree*
IC179Q01JA	Students should not be allowed to bring mobile phones to class.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC179Q02JA	Students should not be allowed to bring their own laptop (or tablet device) to class.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC179Q03JA	Students should collaborate with teachers to decide on the rules regarding the use of digital devices during lessons	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC179Q04JA	The school should set up filters to prevent students from going on social media.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC179Q05JA	The school should set up filters to prevent students from playing games online.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC179Q06JA	Teachers should monitor what students do on their laptops.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$

IC180

The next statements are about the quality, credibility and accuracy of information online.

To what extent do you agree or disagree with the following statements?

(Please select one response in each row.)

	Strongly disagree	Disagree	Agree	Strongly agree
IC180Q01JA I trust what I read online.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q02JA When searching for information online I compare different sources.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q03JA I check the accuracy of online information before sharing it on social networks.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q04JA I discuss the accuracy of online information with my teachers or in class.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q05JA I discuss the accuracy of online information with friends or other students.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q06JA I discuss the accuracy of online information with my parents (or family).	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q07JA I try to flag wrong information when I encounter it online.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC180Q08JA I share made-up information on social networks without flagging its inaccuracy.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$

IC181 The following question is about your experience when browsing online content or using social media.

How upset were you the last time the following situations occurred?

(Please select one response in each row.)

	This did not happen to me	*Not at all upset*	*A little upset*	*Quite upset*	*Very upset*
IC181Q01JA Encountering content online that was inappropriate for my age	☐01	☐02	☐03	☐04	☐05
IC181Q02JA Encountering discriminatory content online (e.g. about race, gender, sexual orientation or physical appearance)	☐01	☐02	☐03	☐04	☐05
IC181Q03JA Receiving unkind, vulgar or offending messages, comments or videos	☐01	☐02	☐03	☐04	☐05
IC181Q04JA Information about me was publicly displayed online without my consent	☐01	☐02	☐03	☐04	☐05

IC182

To what extent do you agree or disagree with the following statements?

(Please select one response in each row.)

		Strongly disagree	Disagree	Agree	Strongly agree
IC182Q01JA	I am interested in learning more about <digital resources>.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC182Q02JA	I am interested in learning <computer programming>.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$
IC182Q03JA	I am interested in learning <digital resources> because it could be useful in a job.	$\square_{01}$	$\square_{02}$	$\square_{03}$	$\square_{04}$

IC183 **To what extent are you able to do the following tasks when using <digital resources>?**

(Please select one response in each row.)

	I cannot do this	*I struggle to do this on my own*	*I can do with a bit of effort*	*I can easily do this*	*I don't know what this is*
IC183Q01JA Search for and find relevant information online	☐01	☐02	☐03	☐04	☐05
IC183Q02JA Assess the quality of information you found online	☐01	☐02	☐03	☐04	☐05
IC183Q03JA Share practical information with a group of students	☐01	☐02	☐03	☐04	☐05
IC183Q04JA Collaborate with other students on a group assignment	☐01	☐02	☐03	☐04	☐05
IC183Q05JA Explain to other students how to share digital content online or on a school platform	☐01	☐02	☐03	☐04	☐05
IC183Q07JA Write or edit text for a school assignment	☐01	☐02	☐03	☐04	☐05
IC183Q08JA Collect and record data (e.g. using data loggers, <Microsoft® Access™>, <Google® Form>, spreadsheets)	☐01	☐02	☐03	☐04	☐05
IC183Q09JA Create a multi-media presentation (with sound, pictures, or video)	☐01	☐02	☐03	☐04	☐05
IC183Q10JA Create, update and maintain a webpage or a blog	☐01	☐02	☐03	☐04	☐05
IC183Q12JA Change the settings of a device or App in order to protect my data and privacy	☐01	☐02	☐03	☐04	☐05
IC183Q13JA Select the most efficient programme or App that allows me to carry out a specific task	☐01	☐02	☐03	☐04	☐05
IC183Q14JA Create a computer program (e.g., in <Scratch©>, <Python®>, <Java®>)	☐01	☐02	☐03	☐04	☐05
IC183Q15JA Identify the source of an error in a software after considering a list of potential causes	☐01	☐02	☐03	☐04	☐05

IC183Q16JA Break down a problem and represent a solution as a series of logical steps, such as an algorithm $\square_{01}$ $\square_{02}$ $\square_{03}$ $\square_{04}$ $\square_{05}$

Thank you very much for your co-operation in completing this questionnaire!