

## **TIQ Technology Implementation Questionnaire**

Dear teacher!

You are participating in an online survey, which is part of a project conducted by the Centre for the Study of Learning and Performance at Concordia University in Montreal, Quebec. One of the goals of our Centre is to develop curricular and technology enhanced tools consistent with best practices in education and to study their classroom use through an active association with teachers, students and administrators. In this regard, we have developed a survey to learn about the extent teachers use computer technology for instruction and the reasons why teachers integrate computer technology in their classrooms. To gain an accurate understanding, it is critical that we hear from teachers who use technology to various degrees including limited uses or none.

This is an ideal occasion for you to express your opinions about the use of computer technology. If you feel that computers are part of your teaching practices or, on the contrary, are of little use, here is a way of making your views known. Knowledge, we gain from your responses will help us devise better support to teachers where needed. Filling out the form should take you about 20 minutes.

By completing and submitting the survey, you are consenting to participate in this project, and to the publication of the project's results. You are under no obligation to participate and you may discontinue at any time. This is an anonymous questionnaire; your responses and comments will not be traced back to you. Your electronic responses will be stored on a secure Canada-based server.

If you have concerns about the survey, please contact Dr. Larysa Lysenko at (514) 848-2424 ext 4007 or email her at [larysa.lysenko@education.concordia.ca](mailto:larysa.lysenko@education.concordia.ca). You may also contact Concordia University's Ethics and Compliance Officer at (514) 848 2424 ext. 4888.

We appreciate in advance your time and contribution!

Philip C. Abrami, Ph.D., Centre Director and Professor

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Your name \_\_\_\_\_

School name \_\_\_\_\_

**INSTRUCTIONS**

This questionnaire has four sections. Please mark **ALL** your answers by checking the most appropriate response when answering the closed-ended questions. Space is provided to record your comments to the open-ended questions.

**SECTION I- Your Professional Views on Computer Technology**

<b>To what extent do you agree with the following statements regarding the use of computer technology in the classroom? The use of computer technology in the classroom...</b>		<b>Strongly Disagree A</b>	<b>Moderately Disagree B</b>	<b>Slightly Disagree C</b>	<b>Slightly Agree D</b>	<b>Moderately Agree E</b>	<b>Strongly Agree F</b>
1.	Increases academic achievement (e.g. grades).						
2.	Results in students neglecting important traditional learning resources (e.g., books).						
3.	Is effective because I believe I can implement it successfully.						
4.	Promotes student collaboration.						
5.	Makes classroom management more difficult.						
6.	Promotes the development of communication skills (e.g., writing and presentation skills).						
7.	Is a valuable instructional tool.						
8.	Is too costly in terms of resources, time and effort.						
9.	Is successful only if teachers have access to a computer at home.						
10.	Makes teachers feel more competent as educators.						
11.	Is successful only if there is adequate teacher training in the uses of technology for learning.						
12.	Gives teachers the opportunity to be learning facilitators instead of information providers.						
13.	Is successful only if computers are regularly maintained by technical staff.						
14.	Demands that too much time be spent on technical problems.						
15.	Is successful only if there is the support of parents.						

To what extent do you agree with the following statements regarding the use of computer technology in the classroom? The use of computer technology in the classroom...		Strongly Disagree A	Moderately Disagree B	Slightly Disagree C	Slightly Agree D	Moderately Agree E	Strongly Agree F
16.	Is an effective tool for students of all abilities.						
17.	Is unnecessary because students will learn computer skills on their own, outside of school.						
18.	Enhances my professional development.						
19.	Eases the pressure on me as a teacher.						
20.	Is effective if teachers participate in the selection of computer technologies to be integrated.						
21.	Helps accommodate students' individual differences.						
22.	Motivates students to get more involved in learning activities.						
23.	Could reduce the number of teachers employed in the future.						
24.	Limits my choices of instructional materials.						
25.	Requires software-skills training that is too time consuming.						
26.	Promotes the development of students' interpersonal skills (e.g., ability to relate or work with others).						
27.	Will increase the amount of stress and anxiety students experience.						
28.	Is effective only when extensive computer resources are available.						
29.	Is difficult because some students know more about computers than many teachers do.						
30.	Is only successful if computer technology is part of the students' home environment.						
31.	Requires extra time to plan learning activities.						
32.	Improves student learning of critical concepts and ideas.						
33.	Becomes more important to me if the student does not have access to a computer at home.						
34.	Helps me achieve important curricular goals.						

To what extent do you agree with the following statements regarding the use of computer technology in the classroom? The use of computer technology in the classroom...		Strongly Disagree A	Moderately Disagree B	Slightly Disagree C	Slightly Agree D	Moderately Agree E	Strongly Agree F
35.	Is only successful if teachers receive regular pedagogical support.						
36.	Is limited because of lack of support from administrators.						
37.	Is only successful when my students support me in my teaching.						
38.	Is only successful when technical issues are resolved promptly when I need help.						
39.	Is effective because my students benefit from it more than from past practice.						
40.	Is satisfying when my colleagues recognize my teaching with it.						
41.	Is feasible because it has been included into my school success plan.						
42.	Promotes independent student learning without teacher assistance.						
43.	Is enhanced because instructional materials are available (e.g., on-line resources).						
44.	Is difficult because teachers do not know how to evaluate or assess students when they use technology for learning.						

## **SECTION II - Your Background and Resources Available to You**

45. What is your gender?

- a. Female
- b. Male

46. How long have you been teaching? (Please provide full years of teaching completed)

\_\_\_\_\_

47. What level do you teach?

- a. Pre-K or Kindergarten
- b. Elementary
- c. Secondary

48. What subject area you teach? If you teach more than one subject area, choose the one that dominates your schedule.

- a. Mathematics, Science and Technology
- b. Language Arts, second Language, Moral and Religious Education, Social Science
- c. Special Education or Resource

- d. Other (e.g. Creative Arts, Physical Education, Vocational Education)

49. What is the average class size that you teach? \_\_\_\_\_

50. How would you rate teacher access to computer resource personnel in your school?

- a. Extremely poor
- b. Poor
- c. Acceptable
- d. Good
- e. Very good
- f. Excellent

51. What is the total amount of in-service training you have received to date on using the computer technology in the classroom?

- a. None
- b. A full day or less
- c. More than a full day but less than one-semester course
- d. A one-semester course
- e. More than a one-semester course

### **SECTION III –Your Experience with Computer Technologies**

52. On average, how often do you integrate computer technologies in your teaching activities?

- a. Not at all
- b. Rarely
- c. Occasionally
- d. Frequently
- e. Almost always
- f. All the time

53. On average, how many hours per week do you spend using a computer for personal use outside of teaching activities?

- a. None
- b. Less than 1 hour
- c. 1 hour or more, but less than 3 hours
- d. 3 hours or more, but less than 5 hours
- e. 5 hours or more, but less than 10 hours
- f. 10 hours or more

54. Which of the following descriptions of computer technologies uses best describes you? (Please choose one)

- a. I have no experience with computer technologies.
- b. I have attempted to use computer technologies, but I still require help on a regular basis.
- c. I am able to perform basic functions in a limited number of computer applications.
- d. I demonstrate a general competency in a number of computer applications.
- e. I have acquired the ability to competently use a broad spectrum of computer technologies.
- f. I am extremely proficient in using a wide variety of computer technologies.

**SECTION IV - Your Process of Integration**

How frequently do you integrate computer technologies into your teaching activities for ...?		Never A	Practically Never B	Once in While C	Fairly Often D	Very Often E	Almost always F
55.	Electronic communication (e.g., email, conferencing, chat, forums, discussion boards)						
56.	Information seeking and retrieval (e.g., accessing web-links, search engines, directories, databases)						
57.	Presenting learning materials (e.g., PowerPoint-type software, images, movies, videodiscs)						
58.	Clarifying, analyzing, restructuring and synthesizing information (e.g., simulations, educational games, experiments, concept mapping software, learning e-portfolios, statistical/graphing software, wikies)						

59. Which of the following descriptions related to the process of integrating computer technology in teaching activities best describes you? (Please choose one)

**a. Awareness**

I am aware that technology exists, but have not used it – perhaps I’m even avoiding it. I am anxious about the prospect of using computers.

**b. Learning**

I am currently trying to learn the basics. I am sometimes frustrated using computers and I lack confidence when using them.

**c. Understanding**

I am beginning to understand the process of using technology and can think of specific tasks in which it might be useful.

**d. Familiarity**

I am gaining a sense of self-confidence in using the computer for specific tasks. I am starting to feel comfortable using the computer.

**e. Adaptation**

I think about the computer as an instructional tool to help me and I am no longer concerned about it as technology. I can use many different computer applications.

**f. Creative Application**

I can apply what I know about technology in the classroom. I am able to use it as an instructional aid and have integrated computers into the curriculum.

**SECTION V - Your Teaching Methods, Strategies and Techniques**

<b>How frequently do you rely on each of the following strategies in your teaching?</b>		<b>Never A</b>	<b>Practically Never B</b>	<b>Once in While C</b>	<b>Fairly Often D</b>	<b>Very Often E</b>	<b>Almost always F</b>
60.	I assign tasks to my students.						
61.	My students select and create study materials.						
62.	I lead classroom discussions.						
63.	My students set their own learning goals.						
64.	My students work collaboratively in groups and teams.						
65.	My students set their own pace of learning.						
66.	I use unchanged materials from commercial sources.						
67.	My students provide feedback and assess their peers' work.						
68.	I provide my students with situations where they analyze and evaluate existing information and create new knowledge.						
69.	I demo and model new activities to my students.						
70.	I offer drills for my students to practice new skills.						

**SECTION VI- Current Use of Computer Technology**

71. Do you use computer technology in your classroom instruction this year? How do you use computer technology in your teaching? (Please provide at least one example)

**Thank you very much for your participation in our study!**

If you would like to obtain a copy of the report on our findings from this project, please contact us at the following email address [cslp@education.concordia.ca](mailto:cslp@education.concordia.ca)