

Teachers & Technology Survey *Assessing the Present* *Planning for the Future*

As a teacher, you are invited to participate in a research project being conducted concerning conditions that contribute to the adoption of selected technologies into the curriculum. To participate, you will only need to fill out the attached survey. There will be complete privacy of the information you supply, and your name will never be used or associated with the project. You are free to choose to participate or not to participate, and you may stop your participation at any time. Whether you participate or not will have no detrimental effect on your relationship with the University of Toledo. By completing this survey, you are giving your consent to participate in the project and you are certifying that you are over 18 years of age.

The information from this survey will be compiled and presented to the administration and to the school technology committee. Your responses are very important to determine the future of technology integration efforts in your school, *and* what conditions are important to you, as the teacher, to use technology effectively in your classroom. Thank you in advance for your participation in this study.

Directions:

Please fill in your answers on the bubble response sheet with the No. 2 pencil provided, where:

- 1 = A**
- 2 = B**
- 3 = C**
- 4 = D**
- 5 = E**

On the **back** of the survey response sheet, please fill in your **gender** and **birth date**.

Also fill in the area marked **Grade or Education**, using the following codes:

- 1 = Bachelor
- 2 = Bachelor +15
- 3 = Masters
- 4 = Masters + 15
- 5 = Masters + 30
- 6 = Ph.D.
- 7 = Psychologist

Some helpful definitions before you begin:

- 1.) **Integrating the computer into classroom practice** - using technology to help students achieve desired learning outcomes and to enhance students' learning experiences by providing them with resources, opportunities, and tools that would otherwise be unavailable to them.
- 2.) **Technology adoption** – using technology in your lessons or for administrative purposes.

Part 1 – Staff Development Items

Please indicate your evaluation of staff development opportunities as they relate to helping you use the computers in your classroom. Please fill in the number on the bubble sheet provided which best reflects your belief. If a question does not apply to you, then leave that response blank.

	1	2	3	4	5
	Strongly disagree	Disagree	Not sure	Agree	Strongly agree
1. Formal computer classes have increased my knowledge on use of computers.				1	2 3 4 5
2. I would like to take courses which teach the integration of computers as an integral component of the curriculum.				1	2 3 4 5
3. I would enroll in computer training classes designed to increase my knowledge on use of computers if my district would pay for it.				1	2 3 4 5
4. I would attend conferences/seminars designed to increase my knowledge on use of computers if my district would pay for it.				1	2 3 4 5
5. I would pay my own expenses to attend formal training activities designed to increase my knowledge on use of computers.				1	2 3 4 5
6. Using a “trial and error” approach has increased my knowledge on use of computers.				1	2 3 4 5
7. Periodicals/professional literature related to computer use have increased my knowledge on use of computers.				1	2 3 4 5
8. If I collaborated with others to examine the use of computers in educational practice, it would to increase the likelihood of my technology adoption.				1	2 3 4 5
9. Technical support in the use of computers from someone who could be considered an "expert" is beneficial for integrating the				1	2 3 4 5

computer into my classroom practice.

- | | | | | | |
|---|---|---|---|---|---|
| 10. Visits to other school sites to learn about the use of computers in education would be helpful to me for integrating the computer into my classroom practice. | 1 | 2 | 3 | 4 | 5 |
| 11. Observing colleagues to learn about computer integration strategies would be helpful to me for integrating the computer into my classroom practice. | 1 | 2 | 3 | 4 | 5 |
| 12. Prompt technical assistance would facilitate my efforts to learn to integrate the computer into my classroom practice. | 1 | 2 | 3 | 4 | 5 |
| 13. Websites on the Internet for guidance on constructing lessons are helpful to me for integrating the computer into my classroom practice. | 1 | 2 | 3 | 4 | 5 |
| 14. Websites on the Internet for guidance in designing teaching strategies are helpful to me for integrating the computer into my classroom practice. | 1 | 2 | 3 | 4 | 5 |

Part 2 - Physical Resources

What, if anything, do you need to make technology an integral part of your school or classroom's curricular activities? Please fill in the number on the bubble sheet provided which best reflects your belief.

- | 1 | 2 | 3 | 4 | 5 | |
|---|----------|----------|-------|----------------|---|
| Strongly disagree | Disagree | Not sure | Agree | Strongly agree | |
| 15. I need more time to learn to use computers. | 1 | 2 | 3 | 4 | 5 |
| 16. I need more time to learn to use the Internet. | 1 | 2 | 3 | 4 | 5 |
| 17. I need more time to change the curriculum to better incorporate the technology. | 1 | 2 | 3 | 4 | 5 |
| 18. I need more training with technology. | 1 | 2 | 3 | 4 | 5 |
| 19. I need more examples in the use of technology in my content area. | 1 | 2 | 3 | 4 | 5 |
| 20. I need more training in strategies that integrate technology. | 1 | 2 | 3 | 4 | 5 |
| 21. I need access to more computers for my students. | 1 | 2 | 3 | 4 | 5 |

22. I need access to the Internet that is reliable. 1 2 3 4 5
23. I need more current software that is curricular-based. 1 2 3 4 5
24. I need prompt technical support to keep the computers working. 1 2 3 4 5
25. I need more resources that illustrate how to integrate technology into the curriculum. 1 2 3 4 5
26. I need to be able to try out technology-enhanced curriculum units in my classroom before I am comfortable with them. 1 2 3 4 5
27. I need more opportunities to work with colleagues to become more proficient using technology-enhanced curriculum units. 1 2 3 4 5
28. I need good reasons why I should incorporate technology into the classroom. 1 2 3 4 5
29. A school technology plan, in which skills needing to be achieved are clearly spelled out, would help me to integrate technology. 1 2 3 4 5
30. I need the administration to provide staff development activities in technology to persuade me to integrate technology. 1 2 3 4 5
31. I need the administration to provide time for integrating technology into the classroom. 1 2 3 4 5
32. I need the administration to provide resources for integrating technology into the classroom. 1 2 3 4 5
33. A district technology plan outlining steps for technology integration would help me to integrate technology. 1 2 3 4 5
34. If I had enough computers in my classroom for each student, I would create more learning activities using the computer. 1 2 3 4 5

Part 3 - Technology

Please fill in the number on the bubble sheet provided which best reflects your belief, where

1	2	3	4	5	
Strongly disagree	Disagree	Not sure	Agree	Strongly agree	
35. Textbooks will be replaced by electronic media in the near future.	1	2	3	4	5
36. The role of schools will be dramatically changed because of the Internet in the near future.	1	2	3	4	5
37. My role as the teacher will be dramatically changed because of the educational technology in the near future.	1	2	3	4	5
38. I am a better teacher with technology.	1	2	3	4	5
39. I would attend technology based professional development activities if my district offered them.	1	2	3	4	5
40. Computer-assisted instruction aids learning.	1	2	3	4	5
41. Technology can help accommodate different learning styles.	1	2	3	4	5
42. I would use technology if I had more of a voice in the decision making process (i.e., purchases, creation of the technology plan).	1	2	3	4	5
43. Educational technology is effective in presenting accurate information.	1	2	3	4	5
44. A teacher should be at ease using educational technology.	1	2	3	4	5
45. Using educational technology is a strategy employed by teachers motivated to reach all types of learners.	1	2	3	4	5
46. A teacher should know how to use educational technology.	1	2	3	4	5
47. The use of educational technology is just another way to teach such as using a chalkboard, textbook, etc.	1	2	3	4	5
48. Using educational technology is a strategy employed by effective teachers.	1	2	3	4	5
49. Educational technology should be used when needed; otherwise, traditional methods should be used.	1	2	3	4	5

50. Teaching with educational technology is as good as, if not better, than traditional forms of teaching. 1 2 3 4 5
51. Educational technology can create options for learning. 1 2 3 4 5
52. Educational technology can create interest in learning. 1 2 3 4 5
53. Effective teachers should be computer literate. 1 2 3 4 5
54. My least fear of these new technologies is embarrassment in front of my students. 1 2 3 4 5
55. The use of educational technology can be an effective substitute for a real-life learning experience in the classroom. 1 2 3 4 5
56. Using educational technology increases student learning. 1 2 3 4 5
57. A teacher should use educational technology whether they are rewarded or not. 1 2 3 4 5
58. A teacher who plans lessons that are learner centered uses educational technology. 1 2 3 4 5

Part 4 Current use of technology

Please take a moment to answer a few questions about your present use of technology. Please fill in the number on the bubble sheet provided which best reflects your belief, where

- | 1 | 2 | 3 | 4 | 5 | |
|--|----------|----------|-------|----------------|---|
| Strongly disagree | Disagree | Not sure | Agree | Strongly agree | |
| 59. I can find my way around computers (using menus, windows, the mouse and basic functions with confidence). | 1 | 2 | 3 | 4 | 5 |
| 60. I know how and when new technologies may enhance my classroom activities (support student learning and help me meet curriculum standards). | 1 | 2 | 3 | 4 | 5 |
| 61. I can locate the learning opportunities I need to advance my technology literacy skills as new technologies arrive. | 1 | 2 | 3 | 4 | 5 |
| 62. I can identify the connection between information literacy (making sense of information) and my curriculum goals. | 1 | 2 | 3 | 4 | 5 |

63. I can demonstrate how to use new technologies, including networks, for problem-solving, research, communication, persuasion, presentation and decision-making. 1 2 3 4 5
64. I can design student learning activities that will integrate new technologies into the daily life of my classroom. 1 2 3 4 5
65. I am skillful in using productivity tools for professional use, including word processing, database, spreadsheet and graphic skills. 1 2 3 4 5
66. I can demonstrate knowledge of equity, ethical, legal and human issues related to information literacy and new technologies. 1 2 3 4 5
67. I can develop an expanded repertoire of strategies to promote student learning with different technologies, including problem-based learning. 1 2 3 4 5

Now, using the scale below, please take a moment to answer a few questions about your present use of technology. Please fill in the number on the bubble sheet provided which best reflects your belief, where:

	1	2	3	4	5
	Not proficient	Slightly proficient	Average/moderate	Above average proficiency	Highly skilled
68. I can use a word processor to create a document with two different font styles, two different font sizes, two different styles, centered text, and is spell checked.	1	2	3	4	5
69. I can create a spreadsheet that includes two columns, two rows one formula, one function, and a chart of the data.	1	2	3	4	5
70. I can create a database that includes two categories, three to five records/items per category, then sort and print it.	1	2	3	4	5
71. I can create a simple illustration and include use of draw and paint tools, and insert a graphic object/clip art.	1	2	3	4	5
72. I can design a “simple” research Internet activity using Boolean logic, identify the best search engine for the activity, and identify three different electronic resources for the research activity.	1	2	3	4	5
73. I can login to a network, create an email message to the facilitator, and send the message.	1	2	3	4	5

74. I can login to a network, subscribe to a listserv found on the Internet, and share a lesson that integrates technology with the listserv. 1 2 3 4 5

Part 5 - Demographics:

Please fill in the number on the bubble sheet provided. Fill in the appropriate letter to each answer on the answer sheet provided.

Computer Experience:

75. I have a computer at home that I use for school related:
(A) ___ email (B) ___ Internet (C) ___ other school activities (D) ___ N/A
76. I have a computer at home that I use for personal:
(A) ___ email (B) ___ Internet (C) ___ other activities (D) ___ N/A
77. I presently hold an Ohio SchoolNet Novice Level Certificate:
(A) ___ yes (B) ___ no
78. I presently have an advanced degree in educational technology.
(A) ___ yes (B) ___ no

For the rest of your responses to this survey, please mark your answers directly on this survey. Thank you for your time once again.

Years of teaching experience: _____ years

How long have you been certified? _____ years

Your age: _____ years

Teachers: Please respond as it relates to your classroom.

_____ Number of computers per classroom

_____ Internet connections per classroom

_____ On the average, how much time on the computer do you spend per week designing classroom instruction?

Teacher/Content:

- Art Administrator
 Music School Media Specialist
 English Guidance
 Science _____ Other
 Foreign Language
 Business
 Social Studies
 Physical Education & Health
 Mathematics
 Career Tech

Gender:

- male
 female

College Level:

- Bachelor
 Bachelor + 15
 Master
 Master + 15
 Master + 30
 Ph.D.
 Psychologist

Please read the descriptions of each of the six stages related to adoption of technology. Circle the number of the stage that best describes your level.

Stage 1: Awareness

I am aware that technology exists but have not used it; perhaps I'm even avoiding it.

Stage 2: Learning the process

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

Stage 3: Understanding and application

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

Stage 4: Familiarity and confidence

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

Stage 5: Adaptation to other contexts

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

Stage 6: Creative application to new contexts

I can apply what I know about technology in the classroom. I am able to use it as an instructional tool and integrate it into the curriculum.