

Teachers' Attitudes Toward Computers

To the Educator:

This questionnaire is derived from well-validated portions of several attitudinal surveys that have been used with teachers in the past. We will use your responses to help develop a profile of how teachers view technology. Please complete all items even if you feel that some are redundant. This should require about 10 minutes of your time. Usually it is best to respond with your first impression, without giving a question much thought. Your answers will remain confidential.

Thank you for your cooperation!

Rhonda Christensen & Gerald Knezek
University of North Texas

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|--|---|
| ID: _____ School: _____ | Your ID is the last four digits of your social security #. |
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Part 1

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

| | | | | | | |
|----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | I think that working with computers would be enjoyable and stimulating. (186) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | I want to learn a lot about computers.(103) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | The challenge of learning about computers is exciting.(211) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | Learning about computers is boring to me.(180) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | I like learning on a computer.(181) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | I enjoy lessons on the computer.(10) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | I can learn many things when I use a computer.(9) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | I believe that it is very important for me to learn how to use a | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

| | | | | | | |
|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| | computer.(12) | SD | D | U | A | SA |
| 9. | A job using computers would be very interesting. (101) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | The people who give me the best ideas for improving teaching also tend to know a lot about computers. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 11. | I concentrate on a computer when I use one.(4) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 12. | I believe that I am a better teacher with technology. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 2

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

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|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | I get a sinking feeling when I think of trying to use a computer. (263) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | Working with a computer makes me feel tense and uncomfortable. (230) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | Working with a computer makes me nervous. (17) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | Computers intimidate me. (227) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | Using a computer is very frustrating. (18) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | I feel comfortable working with a computer. (15) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | Computers are difficult to use. (20) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | I think that computers are very easy to use. (13) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | I have a lot of self confidence when in comes to working with computers. (88) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | Computers are hard to figure out how to use. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 3

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

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|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | If I had a computer at my disposal, I would try to get rid of it. (150) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | Studying about computers is a waste of time. (192) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | I can't think of any way that I will use computers in my career. (74) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | I will probably never learn to use a computer. (154) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | I see the computer as something I will rarely use in my daily life. (123) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | Knowing how to use a computer is a worthwhile skill. (94) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | I look forward to having a computer in my home. (164) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | Using a computer prevents me from being creative. (257) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | You have to be intelligent to work with computers. (261) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | Not many people can use computers. (262) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 11. | I would never take a job where I had to work with computers. (272) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 4

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

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|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | The use of Electronic mail (E-mail) makes the student feel more involved. (282) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | The use of E-mail helps provide a better learning experience. (284) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | The use of E-mail makes a class more interesting. (281) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | The use of E-mail helps the student learn more. (283) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | The use of E-mail increases motivation for class. (280) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | More courses should use E-mail to disseminate class information and assignments. (276) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | The use of E-mail creates more interaction between students enrolled in the course. (278) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | The use of E-mail creates more interaction between student and instructor. (279) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | E-mail provides better access to the instructor. (277) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | E-mail is an effective means of disseminating class information and assignments. (274) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 5

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

| | | | | | | |
|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Computers are changing the world too rapidly. (142) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | I am afraid that if I begin to use computers I will become dependent upon them. (215) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | Computers dehumanize society by treating everyone as a number. (138) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | Our country relies too much on computers. (135) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | Computers isolate people by inhibiting normal social interactions among users. (144) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | Computers have the potential to control our lives. (134) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | Working with computers makes me feel isolated from other people. (241) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | Use of computers in education almost always reduces the personal treatment of students. (176) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | Working with computers means working on your own, without contact with others. (251) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | The Internet will help narrow the societal gap between the "haves" and "have nots". | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 11. | Computers will some day be smarter than people. (218) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 6

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

| | | | | | | |
|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | Computers could increase my productivity. (202) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | Computers can help me learn. (204) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | Computers are necessary tools in both educational and work settings. (226) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | Computers can be useful instructional aids in almost all subject areas. (175) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | Computers improve the overall quality of life. (207) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | If there was a computer in my classroom it would help me to be a better teacher. (163) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | Computers could enhance remedial instruction. (168) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | Computers will improve education. (162) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | Computers can be used successfully with courses which demand creative activities. (170) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | Having a computer available to me would improve my general satisfaction. (149) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 7

Instructions: Choose one location between each adjective pair to indicate how you feel about computers.

Computers are:

| | | | | | | | | | | |
|----|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-------------|------|
| 1. | unpleasant | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | pleasant | (44) |
| 2. | suffocating | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | fresh | (50) |
| 3. | dull | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | exciting | (49) |
| 4. | unlikable | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | likeable | (41) |
| 5. | uncomfortable | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | comfortable | (46) |
| 6. | bad | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | good | (43) |
| 7. | unhappy | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | happy | (42) |

Part 8

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

| | | | | | | |
|----|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1. | I like to talk to others about computers. (98) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |
| 2. | It is fun to figure out how computers work. (193) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |
| 3. | If a problem is left unsolved in a computer class, I continue to think about it afterward. (85) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |
| 4. | I like reading about computers. (100) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |
| 5. | The challenge of solving problems with computers does not appeal to me. (57) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |
| 6. | When there is a problem with a computer that I can't immediately solve, I stick with it until I have the answer. (69) | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| | | SD | D | U | A | SA |

| | | | | | | |
|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 7. | Computers can be exciting. (99) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | I don't think I would do advanced computer work. (60) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | I will use computers many ways in my life. (54) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | I like to scan computer journals. (104) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 9

Instructions: Select one level of agreement for each statement to indicate how you feel.

SD = Strongly Disagree, D = Disagree, U = Undecided, A = Agree, SA = Strongly Agree

| | | | | | | |
|-----|---|-----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|
| 1. | It is important for students to learn about computers in order to be informed citizens. (96) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 2. | Students should understand the role computers play in society. (172) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 3. | All students should have some understanding about computers. (173) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 4. | All students should have an opportunity to learn about computers at school. (95) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 5. | Computers could stimulate creativity in students. (199) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 6. | Computers could help students improve their writing. (198) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 7. | Computers can help accommodate different learning styles. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 8. | Students work harder at their assignments when they use computers. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 9. | Students help one another more while doing computer work. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 10. | Student time on the Internet is time well-spent. | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 11. | Learning about computers is worthwhile. (62) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 12. | Having computer skills helps one get better jobs. (97) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 13. | I am sure that with time and practice, I can be comfortable working with computers. (216) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |
| 14. | Learning to operate a computer is like learning any new skill - the more you practice, the better you become. (214) | <input type="radio"/> SD | <input type="radio"/> D | <input type="radio"/> U | <input type="radio"/> A | <input type="radio"/> SA |

Part 10

Instructions: Please read the descriptions of each of the six stages related to adoption of technology. Choose the stage that best describes where you are in the adoption of technology

| | |
|-----------------------|---|
| <input type="radio"/> | Stage 1: 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. |
| <input type="radio"/> | 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. |
| <input type="radio"/> | Stage 3: Understanding and application of the process I am beginning to understand the process of using technology and can think of specific tasks in which it might be useful. |
| <input type="radio"/> | 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. |
| <input type="radio"/> | 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. |
| <input type="radio"/> | 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. |

Thank you for your time.

TAC v 5.1