Appendix A: Survey on Use of Technology in Mathematics Classroom
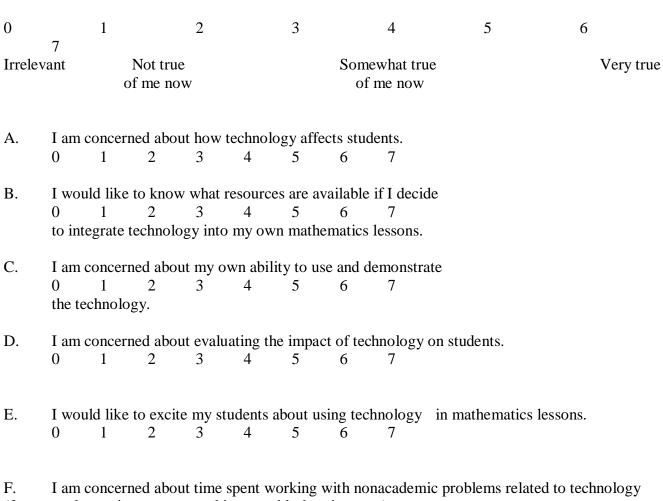
Please respond to the items in terms of your *present* concerns, or how you currently feel about using technology in your mathematics lessons. We do not hold to any one definition of this innovation, so please think of it in terms of your own perceptions of what it involves. Please remember to respond to each item in terms of your *present* concerns, or how you currently feel about using technology in your mathematics lessons.

Thank you for taking the time to complete this task.

0	1	2	3	4	5	6
7						
Irrelevant	Not true of me now		Somewhat true of me now			Very true

A. I am concerned about how technology affects students.
   0   1   2   3   4   5   6   7

B. I would like to know what resources are available if I decide
   0   1   2   3   4   5   6   7
   to integrate technology into my own mathematics lessons.

C. I am concerned about my own ability to use and demonstrate
   0   1   2   3   4   5   6   7
   the technology.

D. I am concerned about evaluating the impact of technology on students.
   0   1   2   3   4   5   6   7

E. I would like to excite my students about using technology   in mathematics lessons.
   0   1   2   3   4   5   6   7

F. I am concerned about time spent working with nonacademic problems related to technology (for example, equipment not working, troubleshooting, etc.)
   0   1   2   3   4   5   6   7

G. I would like to know how my role as a teacher will change when I am using technology in my mathematics lessons.

   0   1   2   3   4   5   6   7

Open Ended Questions.

Please answer each question as truthfully and completely as possible. If relevant, feel free to give examples.

1. What do you view to be some of the potential benefits of using technology in mathematics lessons?

2.   What do you view to be some of the potential drawbacks to using technology in mathematics lessons?

3.   What do you hope to learn in this course that will affect how you use technology in mathematics lessons?

Appendix B: On-line Questions and post survey questions

1. What is the impact of technology tools in teaching and learning mathematics?

2. Has your comfort level changed in integrating technology in mathematics?

3. How will you integrate technology into your teaching? How will you implement concept tutorial/models and investigation applets into your teaching?

4. Please describe at least one way in which what you have learned will impact student learning and achievement.

To what extent do you agree/disagree with each of the following statements?

(Circle your answer)

	Strongly Disagree	Disagree	Unsure	Agree	Strongly Agree
a. Students can learn more *mathematics* more deeply with the appropriate use of technology.	SD	D	U	A	SA
b. Technology tools provide visual models that many students are unable to generate independently.	SD	D	U	A	SA
c. Technology in the *mathematics classroom* is best used for remediation, or reinforcement of skills.	SD	D	U	A	SA
d. Technology in the *mathematics classroom* is best used to promote students' analytical, creative, and other "higher order" thinking skills.	SD	D	U	A	SA
e. Technology allows more time for conceptualizing and modeling mathematical ideas.	SD	D	U	A	SA
f. Technology interferes in the "human" interactions between teaches and students.	SD	D	U	A	SA
g. Technology offers teachers options for adapting instruction to meet the individual needs of students.	SD	D	U	A	SA
h. Technology hinders collaborative learning in mathematics.	SD	D	U	A	SA
i. Middle school *mathematics* is a subject area that easily lends itself to using the World Wide Web for instruction.	SD	D	U	A	SA
j. There is too much to cover in math curriculum; it's hard to justify the use of technology too.	SD	D	U	A	SA