

Recruitment Letter to Students

Dear Student:

As faculty members of educational technology in the Mary Lou Fulton Teachers College at Arizona State University, we are concerned with providing the best possible instruction in technology in our teacher preparation programs. As a result, we are conducting a research study to examine the effectiveness of technology instruction in our programs in the College.

We are asking for your help, which will involve your participation in an online survey about your attitudes toward learning about and using technology as you participate in our teacher preparation program. We anticipate the survey will take about 15 minutes for you to complete. You have the right not to answer any question, and to stop your participation in the survey at any time.

Your participation in this study is voluntary. If you choose not to participate or to withdraw from the study at any time, there will be no penalty; it will not affect your grade in any courses or your standing in the College.

The benefits to participation for you and others are that revisions will be made to courses in which technology is delivered. Thus, there is potential to enhance the courses that are provided to our students to better meet their needs, interests, and abilities and ultimately influence their use of technology in PK-12 classrooms. There are no foreseeable risks or discomforts to your participation.

Your responses will be confidential. Results of this study may be used in reports, presentations, or publications but your name will not be known. Moreover, results from the survey will be reported in group form only.

If you have any questions concerning the research study, please contact the research team through Dr. Teresa Foulger at (602) 543-6420. If you have any questions about your rights as a participant in this research, or if you feel you have been placed at risk, you can contact the Chair of the Human Subjects Institutional Review Board, through the ASU Office of Research Integrity and Assurance, at (480) 965-6788. Please let me know if you wish to be part of the study.

Thank you,

Teresa Foulger, Keith Wetzel, Ray Buss, and LeeAnn Lindsey

Consent to Participate

After reading the recruitment letter for this project, I agree to participate in the survey being conducted to assess my attitudes toward using technology as I participate in the teacher preparation program. I understand the survey will take about 15 minutes to complete. I understand I have the right not to answer any question, and to stop my participation in the survey at any time.

By completing the survey, I am giving my consent to participating in the study.

Technology Integration Survey adopted from Pathway Teacher Questionnaire

This questionnaire is being administered to all students who are participating in Mary Lou Fulton's Technology Integration Project.

NOTE: Technology is a broad concept that can mean a lot of different things. For the purpose of this questionnaire, technology is referring to digital technology/technologies. That is, the digital tools we use such as computers, laptops, iPods, handhelds, interactive whiteboards, software programs, etc.

Section A - Background Information

***1. In which course are you taking this survey?**

- EED 433
- EED 324
- BLE 412
- BLE 324
- ECD 418
- ECS 411

***2. Please enter the 5-digit schedule line number for this section/course. (This number will be given to you by the testing proctor or your course instructor.)**

***3. Which semester are you in currently?**

- Fall 2012
- Spring 2013
- Summer 2013
- Fall 2013
- Spring 2014
- Summer 2014

***4. Please enter the last name of your instructor for this course.**

***5. Please provide the last three digits of your ASU ID number.**

***6. Please provide the first three letters of your mother's first name.**

***7. Your Age**

Please enter your age.

***8. Program Area**

- ECS
- EED
- SPE/EED
- BLE/ESL

9. Content Areas

- I plan to teach all of the main content areas (Science, Social Studies, Mathematics, Reading, Language Arts)
- I plan to teach in one or more, but not all of the content areas

10. Your Gender

- Male
- Female

11. Your Race/Ethnicity

- White
- Black
- Hispanic
- Asian or Pacific Islander
- American Indian or Alaskan Native
- Other (please indicate)

12. Degree which you are completing

- Bachelors
- Masters

13. Goals: Do you have any specific goals related to technology integration (using technology to assist you in teaching)? If so, what are the goal(s)?

14. Which of the following mobile devices do you own? (Check all that apply)

- Laptop Computer
- Netbook
- iPad
- Tablet other than iPad
- Smart Phone
- Other (please specify)

15. If you own a laptop or other mobile device and you're not using it in class, why?

(Check all that apply)

- N/A (I use my device in class)
- I do not own a laptop or other mobile device
- My instructor doesn't allow it in class
- I feel uncomfortable using it in class because most students do not use them
- When I use my computer/device in class, I become distracted
- Class activities don't necessitate using a computer/mobile device
- I prefer to take notes using pen and paper
- Other (please specify)

16. Please indicate which statement best describes your use of the technology lab (Payne 213) services on the Tempe campus.

- I have used the lab/services 10 or more times throughout the semester
- I have used the lab/services 6-9 times throughout the semester
- I have used the lab/services 1-5 times throughout the semester
- I have not used the lab this semester but I have used email services for support (edtechdesk@gmail.com)
- I have not used the lab or any services this semester

Section C - Technology Pedagogy and Content Knowledge (TPACK)

NOTE: Technology is a broad concept that can mean a lot of different things. For the purpose of this questionnaire, technology is referring to digital technology/technologies. That is, the digital tools we use such as computers, laptops, iPods, handhelds, interactive whiteboards, software programs, etc.

18. Instructions

Please indicate how much you agree or disagree with the following statements.

TK (Technology Knowledge)

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
I know how to solve my own technical problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can learn technology easily.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I keep up with important new technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I frequently play around with technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know a lot of different technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have the technical skills I need to use technology.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I have had sufficient opportunities to work with different technologies.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

19. CK (Content Knowledge)

I have sufficient knowledge about ____:

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

20. CK (Content Knowledge)

I can use a "(content area...)" way of thinking.

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

21. CK (Content Knowledge)

I have various ways to develop my understanding in the content area of ____.

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

22. PK (Pedagogical Knowledge)

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
I know how to assess student performance in a classroom.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can adapt my teaching based upon what students currently understand or do not understand.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can adapt my teaching style to different learners.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can assess student learning in multiple ways.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can use a wide range of teaching approaches in a classroom setting (e.g., collaborative learning, direct instruction, inquiry learning, problem/project based learning)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am familiar with common student understandings and misconceptions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know how to organize and maintain classroom management.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

23. PCK (Pedagogical Content Knowledge)

I know how to select effective teaching approaches to guide student thinking and learning in ____.

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

24. TCK (Technological Content Knowledge)

I know about technologies that I can use for understanding and doing ____.

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25. TPK (Technological Pedagogical Knowledge)

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
I can choose technologies that enhance the teaching approaches for a lesson.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can choose technologies that enhance students' learning for a lesson.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can think critically about how technology influences the teaching approaches used in the classroom.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can think critically about how to use technology in the classroom.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can adapt the use of the technologies that I am learning about to different teaching activities.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

26. TPACK (Technology Pedagogy and Content Knowledge)

I can teach lessons that appropriately combine the "(content area)" material, technologies, and teaching approaches.

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Science	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Social Studies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mathematics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Reading	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Language Arts	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

27. TPACK (Technology Pedagogy and Content Knowledge)

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
I can select technologies to use in the classroom that enhance what I teach, how I teach, and what students learn.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can use strategies that combine content, technologies, and teaching approaches in the classroom.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can provide leadership in helping others coordinate the use of content, technologies, and teaching approaches.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can choose technologies that enhance the content for a lesson.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. Models of TPACK

	Strongly disagree	Slightly disagree	Neither agree nor disagree	Slightly agree	Strongly agree
Across all your MLFTC courses, generally MLFTC course instructors appropriately model combining content, technologies, and teaching approaches.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Across other ASU courses (outside of MLFTC), generally instructors appropriately model combining content, technologies, and teaching approaches.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

This survey was designed for the Pathway study as reported in:
Strudler, N., & Schrader, P. G., & Asay, L. (2011). An evaluation of
statewide online professional development for integrating of laptops and
mobile devices in the middle school curriculum. American Educational
Research Association 2011 Annual Conference Proceedings.