

Appendix TPACK Teacher Interview

iPad Project

Participant ID _____

Date of Interview: _____

Content Discipline: _____

Hi. My name is: _____. Thank you for helping us out. We are interested in looking at the how technology is integrated into the curriculum at Lowes Grove Middle School. To achieve this goal, we are asking teachers like yourself what you think about your content areas, pedagogy and technology integration and how it is represented here at Lowes Grove. This interview will last around 45 - 60 minutes. It is important to note that:

- No other teachers or administrators will have access to your comments. We will be reporting general trends only
- there are no right or wrong answers to these questions. We only want to know what you think.

Also, please feel free to say what you think about the question. These are designed to provide you with a voice in shaping technology integration at Lowes Grove. Do you have any questions of us?

Circle of Factors and Influence Activity

Role of Technology in own life

1. If you pictured your life as a pie, what piece, if any, would technology occupy?
 - a. How do you see technology impacting your daily life?
 - i. Probe for responses (e.g. did you drive to work today?)
 - b. Can you examples?
 - c. How does technology impact (or not impact) how you view the world?
2. What are your primary sources of technology information?
 - a. What types of “technology” websites do you visit? Magazines read? Books? TV programs?
3. Did you ever consider pursuing a STEM (Science, Technology, Engineering and Mathematics) career? Why or why not?
 - a. If no, what prevented you from pursuing this career path?
 - b. If yes, what caused you to change your career path?

4. What types of technology do you engage with on an everyday basis?
 - a. Do you consider yourself to be proficient in technology use? Why or why not?
 - b. What types of technology do you feel most confident using?

Preparation and Collaboration

1. How do you think your teacher preparation program helped you in developing as a science teacher?
 - a. What would you have liked to have seen /taken/been exposed to?
2. What role did technology play in your preparation?
3. How do you work with other teachers in the planning and teaching of _____ and the use of technology?
4. What is your perception about the value that your school district places on the teaching of _____ and integration of technology?

PART II: Can be done same or different day depending upon how long part I went. **Role of and Technology in Instruction**

1. How is _____ instruction the same, or different, from other content areas that you have to teach?
 - a. What makes it different (or the same)? Can you give me an example?
 - b. What do you feel is the best way to teach _____?
 - i. Can you tell me about a lesson that you feel particularly demonstrates this?
 - ii. What was your students' reaction to this experience?
 - iii. How and what did the students learn? In other words, how did you assess student learning (beyond benchmarks, EOGs)?
2. What _____ content do you feel is most important for students to learn in your classroom?
 - a. Do you feel that the state standards address this? If not, how could they be changed?
 - b. In what areas of _____ you do feel confident teaching? What areas most intimidate you?
3. What types of strategies do you use to engage your students in _____?
 - a. What types of materials help facilitate this?
 - b. If you could have any materials that you wanted, what would you request?
4. If I were to walk into your classroom, what would I see? What would the students be doing? What would you (and your TA) be doing?
5. How do you connect _____ to your students' lives?
 - a. What types of speakers? Field trips? Activities? Afterschool experiences?
 - b. What are the benefits for students in participating in _____?
6. How do you see _____ being integrated into other content areas?
7. What do you see as the role of technology in your classroom? How specifically is it integrated into your current classroom?
 - a. What specific types of technology are you integrating? How often?
 - b. What types of software/websites are you using?
 - c. How much is class- based vs. media lab?
 - d. How would class access modify how you use technology?

8. Are there some problems that you encounter when using computers and technology with your class? Tell me about them and things that you think will help the situation.
9. How do you think technology helps students learn? How do you assess that learning?
10. What kind of access do your students have (or not have) to technology outside of school?
11. What role do you see gaming playing in future classrooms?

Circle of Influence of Technology on Science Teaching Practice

