

Designs for Technology-Enhanced Learning (Elementary)

School Tech Profile/Inventory

1. Obtain a copy of your school's acceptable use policy (check if obtained **YES obtained**)
2. How many computers are available in
 - a. The classroom - **3**
 - b. The media center - **17**
 - c. The computer lab - **30**
3. What technologies have you observed your cooperating teacher use in teaching (please check all that apply)?
 - PowerPoint presentation **yes – only for Back to School Night for the parents, though**
 - Streaming video (e.g. Unitedstreaming) **yes – she showed me how it works and the class watched Reading Rainbow, etc.**
 - Inspiration
 - Document camera – **yes – all the time for worksheet work and demonstrating writing techniques or math problems, etc.**
 - Audio recorder
 - Video recorder
 - Web activities (e.g. Brain Pop, simulation, etc.) – **the students used the iPods one day to play educational math games**
 - Personal response system
 - Other (explain) – **I was able to use a digital camera to take pictures of the students as “scientists” to print for a class poster**
4. What have you observed the students using in terms of technology both in the classroom and the lab (please check all that apply)?
 - PowerPoint presentation
 - Web searching/research
 - Inspiration
 - Moviemaker or iMovie
 - Podcasting
 - Content area software
 - Web-based activity (e.g. WebQuest, simulation)
 - Other (explain) – **The students watched an educational video in their computer lab class and played games on a designated internet site; the students played math games on the iPods when a media specialists came to our classroom**
5. What other uses of technology does your cooperating teacher report in areas other than instruction?
 - Web research to prepare for lessons
 - Online lesson plans
 - Classroom Web site – **All of the teachers are required to update their Edline accounts for their classes. The first grade teachers are always talking about how they are going to get around that. My teacher puts a copy of this week's homework sheet for parents to see if their student loses or forget theirs at home. Grades have not been posted and probably will not be.**
 - Inspiration for planning or handout creation
 - Online rubric builder
 - Other – **Email is very important to my teacher. She checks it during three designated times during the day to look out for messages from parents (of which she receives many) and messages from the school system or other teachers.**
6. Do you regularly notice students using their cell phones in school (yes no)?
7. Are students allowed to use their cell phones in school (yes no)?

8. Does your school have a “bring your own technology/device” policy (yes no)? The school system is working on this policy as of now. The high schools will see the policy implemented first, then middle, then elementary.
9. What types of technologies do your students have access to at home? My students are mostly middle class. Almost all of them have access to an iPad. All have access to a computer, although it might not be a personal/family one. This is a touchy subject and it is hard to get a firm number of who has what.
10. What does the digital divide look like for your students? Our class is very tech-savvy and seems to have access to many different tech devices. The digital divide is rather narrow, with the exception of a couple of the students who don't seem to have all of the same abilities when handling the technology (like iPods) or don't appear to have as much technology at their fingertips at home. One of my students kept holding her iPod upside down, which made the math game upside down, and she did not get why it was like that. This leads me to believe that she does not play with one on a regular basis like some of her peers do.

For this portion of the assignment, begin asking these questions of your cooperating teacher, and then discuss these with your school’s technology coordinator or library media specialist.

Item	Available in Classroom?	Available in Media Center?	Available in Computer Lab?
Digital Camera	yes	yes	yes
Scanner	no	no	yes
DVD player	yes	yes	yes
CD player	yes	yes	yes
Printer	yes	yes	yes
Color Printer	yes	yes	yes
Interactive Whiteboard (e.g., SMART Board, Promethian)	no	no	no
Computer Projector	yes	yes	yes
Document camera	yes	yes	yes
Digital Video Recorder (e.g., Flip)	yes	yes	yes - webcams
Microsoft Office –specify version (2003, 2007, 2010)	yes – 2007	yes – 2007	yes - 2007
Student response system (a.k.a. “clickers”)	no	yes	yes
Windows MovieMaker/iMovie	no	yes	yes
iPads, Kindles, eReaders, Tablet Computers	no	yes	no
iPods, MP3 players, Playaways	no	yes	no
Headsets, Microphones, Earphones	yes	yes	yes
Subscription to video streaming service (e.g., UnitedStreaming, Safari Montage)	yes – United and Safari	yes	yes
Subscription to Brain Pop!	yes	yes	yes
Subscription to Explore Learning	yes	yes	no
Other?		Wireless microphones	iPad connects to laptop via Doceri program
Other?			

Reflection Questions

1. What patterns can you identify in the use of technology you’ve observed in both your placement classroom and throughout the school?
Matoaka is a newer school and serves mostly middle/upper middle class SES students. The school is very tech savvy. The morning announcements are given over a live streaming video feed that is projected through the laptop. Every class has technology “center” (elective

class basically) once a week for about an hour. This is a good chunk of time and it further makes me believe that technology is very important at Matoaka.

2. What opportunities do you see for technology use relative to the way in which you plan to teach?

I will definitely utilize the Document Camera. It is super helpful to project a demonstration on the screen so the whole class can see. It is also fun for the students and keeps them engaged when they are asked to write on the document being projected. I will use the computer lab every Friday, mostly because it is a required center/special class. I would want them to learn all about technology even if it wasn't though! I will try to use the digital camera because the students seem to enjoy it. The subscription to Safari will be very useful for finding education videos that will help me capture the attention on the antsy first graders throughout the day.

3. What challenges can you see related to technology use in your placement?

There are a few students who do not seem to have access to the technology the majority of the other students do at home, but it is wonderful that their school is able to provide access for them.

I have heard from multiple teachers and faculty that the school is growing fast and they have already run out of room for additional computers. These days a school cannot expand its student population without adequate technology. The computer lab was updated with more computers recently and they already need more.

A media specialist came into our classroom with iPods for the students to play math games on, but the lesson took so long to set up. The teacher had to assign each iPod to a student, have them sign the sheet (first graders do not sign their names quickly), turn the iPods on, realize half of them were not charged and their batteries are dead, assign partners, and finally play the game. By the time they started the game it was almost time to end the lesson. Split that time in half with their partners and we had hardly any learning time. Sometimes the set up time is educational for the students, but not in this case. In my opinion, this iPod time is a waste of time.