

**ESBOCES and WSBOCES 'One to One'
Proof of Concept Outline
Draft**

Proof of Concept Vision:

The mission of this One to One 'proof of concept' is to create a learning environment that is engaging, empowering, and produces more depth of learning. In addition, we want to demonstrate that recent advances in technology have made 'One to One' environments financially accessible to the average school district without major budget increases.

We believe that by providing students and teachers with access to powerful technology tools at school and at home; we can transform our classrooms and expand learning opportunities so that they take place anytime, anywhere.

The students in this 'proof of concept' will carry powerful, mobile computers that give them access to a treasure trove of information, tools, and resources that will empower them to engage learning in new ways. Teachers will be able to differentiate instruction and develop lessons that are engaging and relevant. Students will spend more time exploring, discovering, communicating, and creating; and less time in traditional 'chalk and talk' environments. Ubiquitous access will allow students to learn within class and from home.

Proof of Concept Goals:

We would like to answer the following questions:

1. Can 1:1 be implemented in a way that makes it financially possible for the average district to consider it?
2. Did students having their own computers deepen their learning experience?
3. Did teachers feel that the 1:1 environment helped them facilitate learning at a deeper level?
4. Did having home access to the school network have a positive impact on teaching and learning?
5. Are mini-notebooks appropriate for this audience?
6. Which of the mini-notebooks seemed to work best in this environment?
7. Did 'virtualizing' the environment make the project more manageable?
8. What software was used? How often? From where?
9. Was there a higher homework completion rate with access from school and home?
10. Was there a positive impact on attendance?
11. Was there excessive breakage and loss with the 1:1 model?

Proof of Concept Description:

The pilot will extend for approximately 60 days beginning in May 2009 and ending at the end of June 2009. It will take place in one district in each BOCES region. The district will choose teachers for this pilot that have strong experience in project-based, student centered learning.

In the ? school, the district will provide a set of sub-\$500, mobile computers for the students or the district can utilize a set of existing laptops. These laptops can be of any age including those that have been declared obsolete and scheduled to be retired. The laptops will be configured to run in a virtualized mode from a specialized server in the district. At least one teacher in each district and their classroom will be part of the pilot and their classroom will receive wireless access.

Home access will be scheduled by the district to insure that students that do participate in this part of the proof of concept have adequate Internet connections and equipment. These students will be asked to try several robust applications to see how well they work from home.

General Roles and Responsibilities:

- Ed Tech Journeys will coordinate the partners in the project.
- Ed Tech Journeys will take the lead in writing the project evaluation.

- BOCES - Will develop contracts needed to purchase ClassLink after the pilot.
- BOCES Model Schools and Ed Tech Journeys- Will do its best to obtain a class set of mini-notebooks from the vendors.
- BOCES - Will find a second district to shadow the pilot. (required for BOCES aid)

- Districts - Will insure that the classrooms picked for the pilot will have wireless access.
- Districts - Will create a home use AUP, as well as a plan to roll this out to parents.
- Districts - Will select a few robust applications to test with home access.
- Districts - Will develop a PD plan with their Model Schools Program.

- CDW-G will provide mini-netbooks and servers.
- CDW-G will provide other equipment, as needed. (ie wireless access points)
- CDW-G will provide consultation and support, as needed.

- ClassLink - Will provide its LaunchPad software.
- ClassLink- Will provide a server, if necessary, and configure it according to the proper specs
- ClassLink will provide installation and support services, including evening support for home users.
- ClassLink will provide a list of software that runs in the virtualized environment.
- ClassLink – Will supply (5-10) temporary Citrix licenses for piloting home access.
- ClassLink - Will provide a planning budget that provides costs for moving to a 1:1 model for the entire district.
- ClassLink - Will provide a demo account for the district to use for its own PD.

Additional questions raised at One to One ThinkTank meeting on 3.30.09

1. Do we want to better define teacher role?
2. Are mini's equipped with theft device? Following up with vendor
3. Are mini's equipped with virtual filter? Students would use the school's portal both at home and at school
4. Will mini be locked down so students can't install? TBD
5. How did Niagara Wheatly handle these issues? Initially, they sent a letter home to notify parents of the pilot. After the pilot was in place for a few weeks, there was a parent meeting in the evening where the home access portion of the project was discussed and they received training on how to set up the home computer.
6. Survey for participating teachers, students, and parents? TBD