Gibraltar Schools -
One Laptop Per Student

An administrative dialog
between
Steve Minten, IT
And
Stephen Seyfer, Supt.
Overview

• How small is a rural school?
   It is a flat organization with people just down the hall.

• Face to face conversation between the administrator and IT director.
   This how we get things done!
Goal =

We want to make technological assistance of learning a dominant feature for all students in our school district.

Why?
• A student’s ability to use academic technology gives that student a comparative advantage over other students.
• College admissions tell us that techno skills separate the freshman into the ready for college and the not.
Infrastructure

“What do we have and what do we need?”

- Fortify network
- Wire important people places and things
- Provide a wireless signal
- Provide saturation coverage
“How do we connect students, technology with time and place?”

- Technology must be designed and located for student learning, not for instructional convenience.
- Current structure of five computer labs (3 secondary and 3 elementary) causes students to move from where they learn to where we have always provided instruction – the lab.
"What technologies do we need?"

- What brand?
- What price?
- What support?
- What cycle time?
Mobile Labs

- COW - Computers On Wheels
  - 24 laptops on a cart; cart goes to classrooms
  - 7 COWS

- Windows Server Update Services

- Symantec Ghost imaging

COWS provide every student access to a laptop during the school day
“How can students access their learning tools 24/7?”

- The demand for increased academic performance means that students who can access their tools at school AND away from school will have an advantage.
- The real world uses technology 24/7. Why don’t school students?
24/7 Learning

- 24 hours support? No way.
- Gold support
- Connectivity – Wifi or 3G?
- WebDAV
- Pronto!
Decision Process

• Student Learning Committee – instructional applications.
• Financial Planning – How much will it cost and where is the money?
• Political Action – How will the community respond to the school “giving” students a laptop computer?
One laptop per student project

Status and planned changes for current equipment:

# of desktop workstations
15 - 270s elem inc lab
10 - 270s comp sci lab
6 - 270s for lang lab
10 - laptops in senior work center
13 - 270s Bio lab (replace with lockdown laptops)
20 - 270s sec inc (replace with lockdown laptops)
15 - 270s in spec ed (not intended for replacement)
80 desktops

Replacement/add-on cycle plan for desk tops

Estimate of cost of 2010-11 replacement/add-on plan

# of student laptops (not COWS)
Replacement/add-on cycle plan for laptops
Estimate of cost of 2010-11 replacement/add-on plan

COWS
Status
Estimate of 2010-11 costs related to COW maintenance
Add-on plan for expanding COWS

# of staff laptops
Replacement/add-on cycle plan for staff laptops
Estimate of cost of 2010-11 replacement/add-on plan

40 - 1500s
40 - 1510s
Infrastructure
Estimate of 2010-11 costs for infrastructure maintenance
Estimate of 2010-11 costs for infrastructure improvement

Assessment of current availability of computers for student use

Gaps

One laptop project

Cost of proposed laptop model
Specs on the proposed laptop
Cost of one grade level of laptops

Impact of this project on computer access of all students NOT provided with a laptop

Scope of project

Grade levels
How many
How fast

Perceived benefits accrued from one laptop per student project

How can this project be piloted in 2010-11 as a test of the proposed concepts?

To what extent should parental co-pay be part of a pilot project?
(These laptops could become the next year’s COW)

No co-pay on student
$700 each

One laptop – no replacement
If e-book, they get a hardbound
Option for parent to purchase insurance for replacement/repair

Our machine =
We repair at their cost
We set up the laptop so that the student it is assigned to is the admin of that laptop
2009-10
Replace elementary lab desktops with laptops.

2010-11 (bus)
Move ceiling wire from Dahlie to senior room
1st year of OLPS - Roll out and support 50 OLPS laptops

2011-12 (tech)
Replacing all 270s
Replace 1500s
Replace two servers
2nd year of OLPS

2012-13 (bus)
Replace 1510s
White space tech
3rd year of OLPS

2013-14 (tech)
Replace 1520s
Replace 1320s
4th year of OLPS
REAP

• OLPS is funded by the Rural Education Achievement Program.
  – $35 – 40,000 annually renewed grant funding
• General fund will pay for IT support.
• Parent/student will pay annual amount to be applied against warranty or damage insurance.
Gibraltar Schools
One Laptop Per Student Pilot Program
Description and User Agreement

At the beginning of the 2010-11 school year, the Gibraltar Schools intend to implement the first year of a “One Laptop per Student” (OLPS) program. The Class of 2013 will be the first student group to receive a school-purchased laptop for their “around the clock” technology needs. The OLPS laptop will include electronic textbooks, texts on CDs, and provide access to a growing body of academic resources. The laptop also will provide the student’s tools for word processing, calculator, and project presentations, as well as e-mail and Internet access.

In order to prepare for the OLPS project next fall, we are inviting five (5) students to participate in a pilot of the OLPS experience during the second semester of this school year. We are asking you to be a pilot student.

If you and your parent(s) agree, we will give you a new Dell laptop computer that is exactly like the laptop in our COWS. The difference between your laptop and a COWS laptop is that you will have your laptop 24/7. It is yours to use. You and four other students were selected because you represent a variety of personality and academic types. Each of you have demonstrated an interest in and ability to use laptop technologies.

In this pilot, we expect that you will:

Understand that laptops are semi-fragile and will take all reasonable care to protect your laptop.
- Report any damage or unexpected wear to the laptop or malfunction of the laptop programs to Mr. Minten, our media specialist.
- Use your laptop for personal and educational purposes understanding that the school uses must be in compliance with the School Board’s computer use policy, 9.07 (19 and 25).
- Transport the laptop in the provided laptop bag.
- Not loan the laptop to other students, as you are the sole person who is responsible for the laptop.
- Secure the laptop in your locked locker when you aren’t using it during the school day.
- Take the laptop home with you each night and use it for your homework and school work purposes, and more.
- Talk with Mr. Minten and Mr. Knutson and members of the school’s Technology Committee at planned times so that they can understand the success of the OLPS pilot experience.
- Sign and return the attached Pilot Experience Agreement form.

(Please know that if the OLPS pilot is as successful as we intend it to be, the school may extend your use of this laptop for the remainder of the academic quarter or semester.)

(over)
OLPS Pilot User Agreement

I agree to the expectations as described on the front of this form. I understand the consequences of intentionally misusing the laptop or violating the school district policies. With this understanding, I am willing to responsibly participate in the One Laptop Per Student pilot.

Student Signature

Date

As the parent of the above-signed student, I recognize that my child agrees to the expectations of this pilot program. I understand the purpose of the pilot and the role my child will play in preparing for the OLPS program. I believe that my child is responsible enough to participate in this pilot and to use the laptop for the purposes of the pilot. With this understanding, I authorize the school to issue a laptop to my child for a 24/7 technology experience.

Parent Signature

Date

Acknowledgement that the school is providing the above named student with a school-owned laptop for the purpose of the student using the laptop in a simulation of the school’s One Laptop Per Student project.

Superintendent

Date
OLPS

• Each sophomore will receive a new laptop at the beginning of the year.
• This laptop is the students to use 24/7 for three school years.
• The student may keep the laptop if they graduate from Gibraltar.
• The laptop belong to the student/parent.
• The school does NOT want a used OLPS back!
Getting Ready for OLPS

Teacher in-service –

"How is teaching when all students have a laptop different than when students do not?"

Open laptops and eye contact.
Need to walk around and look.

"How will student work be different?"
E-submissions and E-responses.
E-resources and how to validate.

Student preparation –

This is a learning tool not a game box!
AUP
Computer use rules
Filtering

INTERNET FILTERING

9.07(26)

The purpose of the school district’s Internet filtering policies is to provide optimal access of all users to Internet information that is not regulated by legislative mandate or local board policy and to protect the school district’s network servers from damage by exposure to malicious and damaging software.

The school district applies its filtering software to persons logged into the school’s Internet server. Internet information accessed through services that do not require access to the school district’s network servers are not filtered.

Gibraltar’s filtering policies are applied by specific categories of Internet information and applications. Specifically, the Gibraltar filter blocks user access to information that is pornographic or adult content, promoting addictive behaviors, and promoting violent behaviors. These three categories are filtered for all users. Network filtering is not a “fail safe” assurety that students cannot access inappropriate material via the Internet. In compliance with federal rules, the filtering device applied to the network will filter key words and phrases and will disallow access to a high percentage of the inappropriate material on the Internet.

Student access is managed according to the age of the student; the access of our youngest students is more restricted than the access of our older students. Each student has access to the Internet and use of e-mail services as a usual media service available to all students. Internet access means that a student, given his or her grade level status, will be able to access filtered Internet web sites to view and extract information from those sites.

As part of each student’s technological education, the Schools will educate all students about appropriate online behavior, including interacting with other individuals on social networking websites and in chat rooms, and cyberbullying awareness and response. For younger students, faculty members and students may request that specific informational topics that are typically filtered be accessed for limited time and purposes.

The school district actively monitors user access by looking at the URLs requested and accessed, the name and status of the user, and habits of Internet access. Student violation of posted school rules pertaining to Internet access, e-mail use, and use of school computer work stations will be monitored according to Board Policy 9.07(25).

Policy Adopted 02/22/10
AUP

Gibraltar Acceptable Use Policy (AUP)
Consent Form

The Gibraltar Schools expect responsible and appropriate use of network services and other technologies. Through this consent form, you and your child agree to these terms, and you permit your son/daughter to use the Internet, e-mail and other Gibraltar Schools network services.

Understandings:

- The Internet is used for school-related activities only.
- The student e-mail accounts may be used for school-related purposes only, such as
  - Sending assignments from school to home. All other e-mail services are blocked at school (Hotmail, Yahoo mail, etc.)
  - Teacher-student correspondence.
  - Other teacher-authorized activities.

The AUP applies to all school technology, including: printing, computer use, access to software, file storage, etc.

Failure to abide by the attached guidelines shall result in disciplinary action, as described in Board Policy 9.07(25).

Signing this form indicates that I have read the above and agree that I/my child will use school technology resources in a responsible manner.

Student Name (print): ___________________________ Grade: ______

Student Signature: ___________________________ Date: ______

Parent/Guardian Name: ___________________________ Date: ______

Parent Signature: ___________________________
One Laptop Per Student  
(OLPS)  
Agreement (Student)

The Gibraltar Schools are committed to preparing every graduate for successful entry into their post-secondary futures. One component of a successful preparation is a graduate’s capacity to use and maintain educational and/or employer-based technology. The OLPS Project is the district’s program to implement this commitment.

Students are not required to accept an OLPS laptop or participate in this agreement. Students may use their personal technologies to complete the academic assignments of the high school curriculum that increasingly will require computer technology.

My signature below confirms my understanding that:

The school district will, at the beginning of my sophomore year, provide me with a new laptop that is appropriate for school use. This laptop will be assigned to me for a three-year period just as textbooks are assigned for a specific course. At the end of the three years (graduation), the assigned laptop will be mine to keep. If I withdraw from the Gibraltar Schools prior to graduation, I am required to check in my laptop just as I check in the texts I have been assigned or pay the school for the value of the laptop.

The assigned laptop is mine to use on a 24/7 and year round calendar from the beginning of the sophomore year through graduation in the senior year. The district will make an inspection of my OLPS laptop at the beginning of each semester subsequent to the laptop being assigned to assist me in identifying needed maintenance.

The district will assign only one OLPS laptop to me. Should my assigned laptop be lost, stolen or damaged, it will be my responsibility to replace the laptop or pay the school for the value of the laptop. If I choose not to provide myself with a substitute laptop, I must provide myself with a strategy for accommodating academic assignments that require the use of computer technology.

The OLPS laptop will have school-based, pre-installed software (Microsoft Office, an Internet browser, and access to the district’s web-based e-mail system.) My parents(s) and I are responsible for the licensing and maintenance of all software that I choose to install on my OLPS laptop.

I will comply with all School Board policies regarding the use of the school’s Internet service, file servers, printers, and information sharing, including Board policies related to the Child Information Protection Act, cyberbullying, and social networks.

In school, I will use my OLPS laptop for educational purposes and will not allow it to be a distracter to my learning, the learning of others, or my teachers’ instruction.

________________________________________________________________________
Student Name Printed

________________________________________________________________________
Student Signature

________________________________________________________________________
Date
One Laptop Per Student
(OLPS)
Agreement (Parent)

The Gibraltar Schools are committed to preparing every graduate for successful entry into their post-secondary futures. One component of a successful preparation is a graduate’s capacity to use and maintain educational and/or employer-based technology. The OLPS Project is the district’s program to implement this commitment.

Students are not required to accept an OLPS laptop or participate in this agreement. Students may use their personal technologies to complete the academic assignments of the high school curriculum that increasingly will require computer technology.

My signature below confirms my understanding that:

The school district will, at the beginning of the sophomore year, provide my child with a new laptop that is appropriate for school use. This laptop will be assigned for a three-year period just as textbooks are assigned to a student for a specific course. At the end of the three years (graduation), the assigned laptop will be my child’s to keep. If my child withdraws from the Gibraltar Schools prior to graduation, he/she will check in the assigned laptop just as they check in the texts they have been assigned, or they will pay for the value of the laptop.

The assigned laptop is my child’s to use on a 24/7 and year round calendar from the beginning of the sophomore year through graduation in the senior year. The district will make an inspection of each student’s OLPS laptop at the beginning of each semester subsequent to the laptop being assigned to assist the student in identifying needed maintenance.

The district will assign only one OLPS to my child. Should the assigned laptop be lost, stolen or damaged beyond repair, it will be my responsibility to replace the laptop or pay the value of the laptop, and/or provide my child with a strategy for accommodating academic assignments that require the use of computer technology.

The OLPS laptop will have school-based, pre-installed software (Microsoft Office, an Internet browser, and access to the district’s web-based e-mail system.) I am responsible for the licensing and maintenance of all other software that my child chooses to install on his or her OLPS laptop.

The district will charge me $60 each year, payable in August, for the purchase of the Dell “gold” warranty that assures a manufacturer’s repair of the laptop, excluding malicious damage. The annual purchase of this warranty is required as a condition of the OLPS agreement. In subsequent school years, if I do not choose to purchase this warranty insurance, my child will surrender to the school the assigned OLPS laptop.

Parent Printed Name

Parent Signature

Date
First Year Observations

- Parent testimony that students
  - value their OLPS.
  - Consistently use their OLPS to complete school assignments at home.
  - Testimony that parents value the OLPS program.
- Only 1 OLPS fatality.
- Only 1 OLPS student policy violation.
- Teachers and students are moving from text and paper to e-schooling.
- Freshman students and parents are anxious!
2011-12

- We have begun purchasing OLPS for the Class of 2014 and will have them ready for distribution in August during high school registration days.
Contacts

• Gibraltar Area Schools
  – 3924 State Highway 42
  – Fish Creek, WI 54212
  – www.gibraltar.k12.wi.us

• Steve Minten, Technology Specialist
  – sminten@gibraltar.k12.wi.us

• Stephen Seyfer, Superintendent/Elementary Principal
  – sseyfer@gibraltar.k12.wi.us