Tablet PC's for students and instructors
Needs Assessment Project

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EDT 645-Assignment VB
Spring 2005

Needs Assessment Report- Tablet PC

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Needs Assessment Report – Tablet PC

Introduction

In our needs assessment we were interested in finding support for a Tablet PC project. Our original idea was to survey stakeholders in a school district that would be interested in a Tablet PC project. In conducting our needs assessment we decided to survey classmates, teachers, parents, and administrators in a k-12 school district and college level on the idea of introducing the Tablet PC into a k-12 school distinct. We were pleased to see results on 40 volunteer surveys.

Survey Results

40 Surveys Total- Survey located online:
http://www.roihunters.com/edt/needs_assessment.asp

45% - Teachers
35% - Parents
22.5% - Business Owners
17.5% - Administrators
7.5% - Students

To highlight some of the groups of volunteers about 45% of the volunteers surveyed were teachers and the larger number being Middle School or 6th through 8th grade. About 35% of the group was parents with students in a K-12 school district, 22.5% of the volunteers were business owners, and 17.5% of the volunteers were administrators at a K-12 district and a couple college level. Please note that some of these groups were a combination of two or more roles; teachers that also owned businesses.

Below, we will highlight some of the responses we got from our questions. The survey contained 22 questions total.

Does your school or school district currently support wireless technology in the school and classroom?

When asked the above question, the majority or about 73% said "yes" and less then 25% were not sure. The finding here answers whether or not a district would be ready to integrate PCs into a high speed Internet network.

Are computers utilized in every classroom at your school or school district?

47.5% stated that they did utilize PCs in every classroom and 20% stated "over 50%" of the classrooms had PCs. This is a good finding in knowing that about half of the surveys showed PC being present in the classroom or the majority of the classrooms.

Does your school or school district offer one or more computer lab(s) for students to use?

An overwhelming 95% stated that they do have computer labs for students. This finding would is to be expected with today's need for students to interact with computers.

When purchasing new hardware technology, which is most important in your decision? Features, Expandability, Compatibility, and Price.

The highest agreed on response was that the "features" of new technology were the most important decision. Compatibility was next in ranking and price was a smaller concert in the results. Knowing this information, emphases can be put on more important items like the features of the product verses the price.

Do you think your schools students and teachers could benefit from using the Tablet PC technology and wireless networking/Internet?

Over 77% agreed to both parts of this question. This creates a great case for introducing the Tablet PC. With all things held constant, there should be very little resistance to implementing the Tablet PC with these results.

What grade levels do you believe would benefit most from the Tablet PC?

The highest-ranking response was for the 9th – 12th grade level of education. When asked if the Tablet PC would help to prepare students for college, 87.5% said "yes". After reviewing these findings above, it could be more beneficial to implement a Tablet PC at the high school level first (if not implementing for the whole district at once).

Do you think funding could be made available in your school district for the Tablet PC and wireless network/Internet?
Could your current IT Staff or Technology Department handle the additional support or be able to expand to support the implementation of the Tablet PC and wireless network/Internet for students and instructors?

When asking the above question, over half were not sure if there would be funding for the Tablet PC and wireless network/Internet. Also, just under half were not sure if their IT staff could support this project. This tells us that there would need to be an investigation on the district's network and staffing before assuming any decisions on this topic.

Do you think that parents or guardians would be willing to pay for a portion of the Tablet PC for their child in school; example $250 dollars (with option of funding for low-income students)?

When asked if the participants thought that parents would be willing to pay a co-pay for the Tablet PCs. Just over 50% stated they were "not sure", 32.5% stated "no", and 15% said "yes". This question may need to be cover by another survey of just parents to find a closer answer. Even though 35% of the participants were parents, we may not be seeing the big picture to this question.

What do you think would be the best option for a student with a Tablet PC? "Option to take home each day", "option for limited sign out (to take home only on special occasions)", and "leave at School at all times to reduce liability and loss".

The larger vote was that the Tablet PCs should be "left at school to reduce liability and loss". This would be a big concern to many schools and should not be a decision taken to lightly.

Do you think a parent or guardian should be willing to sign a liability contract for their child's Tablet PC?

82.5% said "yes" that a parent or guardian should sign a liability contract for their child's Tablet PC. This states that the majority is concerned with the liability of damaged and broken PCs. This topic would need more focus and may become a bigger topic during this process.

Should students be liable for damaged, lost, or stolen equipment while in their possession?

This question was split right down the center with 50% stating "yes" and the other 50% "only outside of school or intentional damage". This answers the question that students should be liable for damage, but depending on if it was in school or out of school is split. This question may have been better asked in two different questions to find an answer for in school and out of school liability.

If you were offered Tablet PC training, which method would be most beneficial to you? Classroom lesson, on-line reference materials, training book, and cheat sheet.

The highest response was for a classroom lesson. This tells us that our group is more hands-on and prefers learning in the classroom verses the other options.

Conclusion- The need for further research

It would be wrong to draw significant conclusions from a study so limited in scale. Current use of technology includes regularly using the school network, Microsoft Word, PowerPoint and student management system. From the results, it appears that there is potential need for Tablet PC to be initially introduced to students and instructors in the 9th -12th grades. The assessment survey also provides additional areas of focus and information to gather. One area of concern is the liability issue allowing students to take the Tablet PC home. To fully implement the use of Tablet PC's with the curriculum the liability issue allowing students to take the Tablet PC home will need to be resolved (unless homework is not required). It is interesting to note that over 50% were not sure if parents/guardians should have to pay a portion of the Tablet PC expense, but over 77% feel a Tablet PC would be beneficial for students and instructors. Classroom training appears to be the most beneficial when introducing Tablet PC's, which should be considered to improve acceptance and willingness to implement into the curriculum.

References:

See the Tablet PC in action
http://www.microsoft.com/windowsxp/tabletpc/default.asp

Using Windows XP Tablet Edition including How to Articles, Tips and Newsgroups
http://www.microsoft.com/windowsxp/tabletpc/using/default.asp

Explore everything Tablet PC can do
http://www.microsoft.com/windowsxp/tabletpc/evaluation/features.asp

Tablet PC Hardware Comparison
http://www.tabletpctalk.com/faqs/hwcomparison.shtml

Take your files offline with Tablet PC
http://www.microsoft.com/WindowsXP/expertzone/columns/vanwest/03may28offline.asp

Mark up your documents
http://www.microsoft.com/windowsxp/tabletpc/using/howto/documentimages.asp

Education and the Tablet PC
http://www.microsoft.com/education/?ID=TabletPC
http://www.microsoft.com/windowsxp/tabletpc/evaluation/school.asp

Tablet PCs Drop the pen and paper - note-taking has gone digital.
http://www.cdwg.com/webcontent/editorialg/hardware/011503_TabletPCs.asp

A New Take on Tablets
http://www.techlearning.com/story/showArticle.jhtml?articleID=52600730

PC Tablet
TMC112TI-G TABPC PM/1100 512MB 40GB 10.4IN XP TAB
http://www.pagecomputers.com/cgi-bin/page/B1422153.html

General information	
Manufacturer	Acer inc.
Manufacturer part number	Lx.t270e.235
Manufacturer website address	Www.us.acer.com
Product line	Travelmate
Product series	C110
Product name	Travelmate c112ti-g tablet pc
Marketing information	You can use the innovative travelmate
C112ti-g like a clipboard by writing directly on the display with	
The included emr pen or stylus. When you are ready to use the	
Keyboard just flip the display and you have a full-functioned	
Notebook computer. It features intel centrino mobile technology	
Which offers you wireless connectivity standout performance and	
Extended battery life in a compact form factor.	
Processor & chipset	
Processor	Intel pentium m 733 1.10ghz
Bus speed	400mhz fsb
Cache	2mb l2
Chipset	Intel 855gm
Memory	
Standard memory	512mb ddr sdram
Maximum memory	2gb ddr sdram
Memory slots	2 populated0 free
Storage	
Hard drive	40gb ultra ata/100 (ata-6)
Removable storage drives	3.5 1.44mb diskette drive external usb
Optional	
Display & graphics	
Display screen	10.4 xga active matrix tft color lcd
Graphics controller	Intel 855gm up to 64mb dvmt shared integrated
Display resolution	1024 x 768 @ 16.7 million colors (24-bit)
Internal support	
Color support	16.7 million colors (24-bit)
Audio	
Sound card	Integrated
Speakers	Mono speaker integrated
Network & communication	

Network	Intel pro/wireless 2200bg wi-fi ieee 802.11b/g
54mbpsbluetoothfast ethernet 10/100mbps	
Modem	V.92 56kbps fax modem
I/o expansions	
Expansion slots	1 x cardbus type ii
Input devices	
Keyboard	84 keys
Keyboard features	Five-degree curve five launch keys
Four-way internet scroll key inverted t cursor layout	
Embedded numeric keypad	
Pointing device	Tablet pentouchpad
Pointing device features	Touchpad feature: Two mouse buttons
Tablet pen type	
Features	
Interfaces/ports	
Ports	2 x usb 2.01 x dc power input1 x rj-11 modem1 x rj-45
Network1 x vga1 x line-in1 x line-out1 x i.link ieee 1394 firewire1	
X irda fast infrared1 x docking port	
Software	
Operating system	Windows xp tablet pc edition
Software included	Acer launch manager acer notebook manager
Cyberlink powerdvd xp 4.0 nti cd-maker 6 oem version	
Battery information	
Batteries	1 x 4-cell lithium ion (li-ion) standard
Battery life	3 hour(s) approximate (main battery)
Battery recharge time	1.5 hour(s) passive (main battery)3 hour(s)
Active (main battery)	
Power description	
Power supply	External ac adapter
Power consumption	50w
Power management	Acpi 2.0
Physical characteristics	
Dimensions	1.2 height x 10.1 width
Shipping dimensions	14 height x 9 width x 15.25 depth
Weight	3.3 lb
Shipping weight	10.38 lb
Miscellaneous	
Package contents	Travelmate c112ti-g tablet pc tablet pen
Lithium-ion battery ac adapter acer system recovery cd	
Additional information	Built-in devices: Microphone graphics
Technology	
Directsound quality tests	
Acoustics electrostatic discharge immunity hinge life	
Keyboard switch life free drop weight and pressure	
Spill shock and vibration tablet pc tests	
Hinge rotation lcd scratch lcd ripple hook durability	
Security features	User bios password administrator bios password

Kensington lock slot	
Certifications & standards	Microsoft whql dmi 2.0 mobile pc2001
Warranty	
Standard warranty	1 year(s) limited
Parts warranty & labor	1 year(s)
Additional warranty information	Concurrent international travelers
Part Number	B1422153
Mfr. Part #	LX.T270E.235
Price	**$964.52**

Computer Information Systems

□ HOME

Needs Assessment Survey

This "Needs Assessment Survey" is for a group assignment in Western Michigan University's EDT645 course. Any opinions, questions, and content on this Web site do not reflect the University as an entity or any instructors or employees of the University.

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Needs Assessment Survey - Tablet PC

Welcome to Julie Cottin, Chad Frerichs, and Scott Puckett's group project Needs Assessment Survey for EDT 645.

Please read all the information on this page before continuing to the Questions.

Notice

It is very import that you understand that you are filling out this survey as volunteering your opinion on the topic discussed. This survey is considered a "Mock" survey and does not reflect the opinions of any entity except for the three members mentioned above. Your opinions and information will not be used for any profitable gains. Your input will be analyzed and compared to other volunteers for the purpose of education in this assignment.

This assignment outlines the conceptual idea to gain information and opinions on a "Tablet PC" assessment into a school system. This needs assessment does not represent any school system directly. References may be made to schools but not in any way is this document a bona fide needs assessment for a real school, nor is this a live needs assessment taking place at any school system.

Thank you for taking your time to fill out this survey!

If you'd like to learn more about the Tablet PC, please visit the link below.

Tablet PC

Questions

All questions will be followed with choices or a text box.

1. Are you currently associated in any way with a school or school district? (choose all that apply)

Teacher / Instructor, what school level do you work in: Student, what grade

Parent of a Student, what grade(s)   Administrator or staff at a school, what level

Business Owner in school district   Citizen in school district   Other

2. Does your school or school district currently utilize network and high speed Internet?

    Yes   No   Network Only   Not sure

3. Does your school or school district currently support wireless technology in the school and classroom?

    Yes   No   Limited Areas   Not sure

4. Are computers utilized in every classroom at your school or school district?

    Yes   No   Under 50%   Over 50%   Not sure

5. Does your school or school district offer one or more computer lab(s) for students to use?

    Yes   No   Not sure

6. When purchasing new hardware technology, which is most important in your decision? (Rank in importance 1=most important 6=least important)

Features -   Expandability -   Compatibility -   Price -

7. What uses do you think would be most beneficial in having Tablet PCs in your school or school district? (Rank in importance 1=most important 6=least important)

Computer Usage and Typing Skills	Internet Research
Science Classes and Experiments	Math Classes
Learning about the Internet	Learning Microsoft Office
Working on Homework	Using Email
Turning in Homework	Creating Presentations
Learning Computer Programming	Communicating
Creating Spreadsheets, Charts, and Graphs	

8. Do you think your schools students and teachers could benefit from using the Tablet PC technology?

    Yes   No   Not sure

9. Do you think students and teachers would benefit from a Tablet PC and wireless network/Internet?

    Yes   No   Not sure

10. What grade levels do you believe would benefit most from the Tablet PC? (Rank with 1 = most important)

    K – 5th   6th – 8th   9th – 12th   All Levels

11. Do you think that Tablet PC usage would be beneficial for students preparing for College?

    Yes   No   Not sure

12. Do you think funding could be made available in your school district for the Tablet PC and wireless network/Internet?

    Yes   No   Not sure

13. Could your current IT Staff or Technology Department handle the additional support or be able to expand to support the implementation of the Tablet PC and wireless network/Internet for students and instructors?

    Yes   No   Not sure

14. Do you think that parents or guardians would be willing to pay for a portion of the Tablet PC for their child in school; example $250 dollars (with option of funding for low-income students)?

    Yes   No   Not sure

15. What do you think would be the best option for a student with a Tablet PC? (Rank in importance 1=most important 6=least important)

    Option to take home each day

    Option for limited sign out (to take home only on special occasions)

    Leave at School at all times to reduce liability and lost

16. Do you think a parent or guardian should be willing to sign a liability contract for their child's Tablet PC?

    Yes   No   Not sure

17. Should students be liable for damaged, lost, or stolen equipment while in their possession?

    Yes   No   Only outside of school or intentional damage   Not sure

18. If you were offered Tablet PC training, which method would be most beneficial to you? (Rank in importance 1=most important 6=least important)

    Classroom lesson   Training book

    On-line reference materials   Cheat sheet

19. Is there another technology that you feel would enhance student learning, more than the Tablet PC with wireless network/Internet? If so, what?

20. Is there other technology (hardware / software) you feel would enhance student learning.

21. What technology currently available at your school should be used more often to enhance student learning and/or management?

22.

Technology Background: Have you used the following technologies?		Frequently	Regularly	Rarely	Never	Would like to learn
Desktop/Workstation						
Notebook or Tablet PC						
PDA	Palm Pilot, I Pac, Visor, etc.					
Digital Music Player	Apple (I Pod), Creative, Dell, Gateway, Rio					
DVD Recorder						
LCD Panel or Computer Projector						
CD-ROM or DVD Production						

Network	Save Files, Print, Share, Applications					
Software Background: Have you used the following software applications? If yes, where and how often?		Frequently	Regularly	Rarely	Never	Would like to learn
Word Processing	Word, WordPerfect, Works					
Spreadsheets	Excel, Lotus					
Databases	Access, SQL, MySQL					
Presentation	PowerPoint, VideoShop					
Computer Interactive	Testing/ Tutorials					
Computer Interactive Games	Educational Games- SIMS, SIMS Life					
Instant Messenger/ Chat	MSN, AOL,, Yahoo MIRC					
Student Management	PowerSchool- Grading/ attendance, Budgets, Records.					

	A q1teacher	B q1teacherlevel	C q1student	D q1studentgrade	E q1parent	F q1parentgrade	G q1admin	H q1adminlevel	I q1business	J q1citizen	K q1other	L q2	M q3	N q4	O q5	P q6_features	Q q6_expandability	R q6_compatibility	S q6_price	T q7comp	U q7inte	V q7scie	W q7math	X q7learn_int	Y q7learn_micr
2	Y	college	N		Y	6, 9, 10	N		Y	N	N	yes	yes	over50	yes	1	2	4	3						
3	Y	6_8	N		N		N		N	N	N	yes	yes	yes	yes	1	1	4	4	3	1	1	1	2	3
4	Y	6_8	N		N		N		N	N	N	yes	yes	not_sure	yes	1	1	1	1	1	1	2	3	2	2
5	Y	6_8	N		N		N		N	N	N	yes	yes	over50	yes	4	3	1	2	2	2	4	5	2	
6	N		N		N		Y	6_8	N	N	N	yes	yes	yes	yes	3	1	3	1	6	1	2	3	6	6
7	Y	6_8	N		N		N		N	N	N	yes	yes	yes	yes	1	4	3	2	3	1	6		4	
8	Y	6_8	N		Y		N		N	N	N	not_sure	yes	over50	no	1	2	3	4	5	3	1	1	2	2
9	Y	6_8	N		N		N		N	N	N	yes	yes	yes	yes	2	4	1	3	2	3	2	2	3	5
10	Y	6_8	N		N		N		N	N	N	yes	yes	yes	yes	1	3	1	3	2	3	4	2	5	2
11	Y	6_8	N		Y		N		N	N	N	yes	yes	over50	yes	3	1	2	4	4	2	5			
12	N		N		N		Y	college	N	Y	N	yes	limited	under50	yes	2	1	1	1	1	1	1	4	1	1
13	N		N		Y	12	N		N	Y	N	yes	yes	yes	yes	1	5	6	1	1	2	2	2	2	1
14	N		N		N		N		Y	Y	N	not_sure	not_sure	not_sure	yes	1	3	3	3	6	1	2	3	1	4
15	N		N		N		Y	9_12	N	N	N	yes	yes	yes	yes	3	4	1	2	1	2	4			
16	N		N		N		Y		N	N	N	yes	yes	yes	yes	2	1	3	4			4	3		
17	Y		N		N		N		N	N	N	yes	yes	yes	yes	2	3	1	4	1	2	4	2	3	1
18	N		N		Y	2	N		Y	Y	N	yes	not_sure	yes	no	1	3	2	3	2	3	2	2	5	3
19	Y	6_8	N		N		N		N	N	N	yes	yes	over50	yes					3	2			4	
20	N		N		N		N		N	Y	N	yes	not_sure	not_sure	yes	1	3	1	2	1				5	
21	N		N		N		Y		N	N	N	not_sure	not_sure	not_sure	yes	1	1	1	1	1	2	3	5	3	3
22	Y	9_12	N		Y	9	N		N	Y	N	yes	yes	yes	yes	1	1	1	1	1	2			3	
23	Y	9_12	N		N		N		N	Y	N	yes	yes	yes	yes	1	3	4	2	1	1	2	2	3	2
24	N		N		Y	12	N		Y	N	N	not_sure	not_sure	yes	yes	1	1	1	6	1	5	3	4	3	3
25	Y	9_12	N		Y		N		N	Y	N	not_sure	yes	yes	yes	3	5	4	2	2	2	2	3	2	4
26	Y	6_8	N		N		Y	6_8	N	N	N	network	yes	yes	yes	3	2	1	1	2	1	2	2	5	3
27	Y	k_5	N		N		N		N	N	N	yes	yes	yes	yes	1	2	3		1	1	4	3	2	3
28	N		N		Y	12	N		N	N	N	yes	not_sure	over50	yes	2	3	4	1	1		3			2
29	N		Y	9	N		N		N	N	N	not_sure	yes	no	yes	3	4	5	3	4	1	2	4	4	3
30	N		N		Y	6, 7	N		N	N	N	not_sure	not_sure	over50	yes	1	4	2	3	1	2			5	3
31	Y	k_5	N		N		Y	k_5	N	N	N	no	no	yes	yes	2	2	2	1	1	1	2	3	1	2
32	N		N		N		N		N	Y	N	not_sure	not_sure	no	yes	1	2	2	2	6	4	4	5	4	6
33	N		N		N		N		Y	Y	N	yes	yes	not_sure	yes	1	2	2	2	1	2	2	3	2	2
34	N		N		N		N		N	Y	N	yes	not_sure	not_sure	yes	2	1	1	3						
35	Y	9_12	N		Y	8	N		N	Y	N	yes	yes	yes	yes	4	3	1	2	6	1	1	2	2	4
36	N		N		N		N		N	Y	N	not_sure	not_sure	not_sure	yes	6	3	1	3	1	1	1	1	1	1
37	N		Y	college	N		Y	college	N	N	N	yes	limited	under50	yes	1	1	2	2	1	1	1	5	1	2
38	N		Y	10	N		N		N	N	N	yes	yes	over50	yes	2	4	1	1	3	1	3	3	2	3
39	N		N		Y	10	N		Y	N	N	yes	not_sure	no	yes	3	1	6	5	6	4	4	3	2	5
40	N		N		Y	9	N		Y	Y	N	yes	not_sure	not_sure	yes	1	5	3	2		1	1	1		
41	N		N		Y	4, 7, 11	N		Y	Y	N	yes	yes	yes	yes	1	3	3	2	1	2	3	4	4	3

	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	AP	AQ	AR	AS	AT
1	q7work_home work	q7using_email	q7turnin_home	q7create_pres e	q7learn_prog	q7commun	q7create_sprea d	q8	q9	q10_k_5	q10_6_8	q10_9_12	q10_all	q11	q12	q13	q14	q15_take_home	q15_limited	q15_leave_school	q16
2								yes	yes	3	2	1	4	yes	yes	not_sure	yes	1	2	3	yes
3	3	3	3	1	5	3	2	yes	yes	1	1	1	1	yes	not_sure	not_sure	no	6	6	1	yes
4	2	4	2	1	5	1	2	yes	yes	2	1	1	1	yes	not_sure	yes	not_sure	2	1	1	yes
5	4	5	4	1	3	2	2	yes	yes	5	2	1	2	yes	yes	not_sure	yes	3	1	4	yes
6	6	6	6	2	6	3	3	yes	yes		2	1		yes	not_sure	yes	no	3	1	3	not_sure
7	2		5					yes	yes				1	yes	not_sure	not_sure	not_sure	3	1	2	yes
8	5	1	5	3	5	6	3	not_sure	not_sure				3	not_sure	no	no	no	6	5	1	yes
9	5	6	5	3	6	5	3	yes	yes	5	3	1	1	yes	yes	yes	no	6	1	2	yes
10	1	4	1	2	3	4	2	yes	yes					yes	not_sure	not_sure	no	1	2	2	yes
11	6			1			3	yes	yes	3	2	1		yes	not_sure	no	not_sure	3	1	2	yes
12	1	4	2	2	3	4	1	yes	yes	3	2	1	1	yes	not_sure	yes	no	6	3	1	yes
13	1	4	2	1	1	2	1	not_sure	not_sure			1		not_sure	not_sure	not_sure	no	2	5	5	yes
14	5	2	6	3	3	6	2		not_sure	4	3	2		not_sure	not_sure	no	not_sure	6	5	1	yes
15		3		5			6	yes	yes					yes	yes	yes	not_sure	6	3	1	not_sure
16	5	1	6	2				yes	yes				1	yes	yes	yes	not_sure	3	2	1	yes
17	4	1	4	3	6	2	5	yes	yes	3	3	1	3	yes	yes	yes	not_sure	3	2	1	not_sure
18	1	4	3	3	5	5	3	yes	yes	3	2	1	2	yes	not_sure	yes	not_sure	1	2	5	yes
19	5			1				yes	yes				1	yes	not_sure	yes	not_sure	3	2	1	yes
20	2		3	6			4	yes	yes				1	yes	not_sure	not_sure	not_sure	1	2	3	yes
21	5	4	3	3	2	2	1	not_sure	not_sure	3	1	2	1	yes	not_sure	not_sure	not_sure	3	2	1	not_sure
22			3					yes	yes				1	yes	not_sure	no	no	3	1	2	yes
23	2	2	2	1	4	2	2	yes	yes	1	1	1	1	yes	yes	yes	not_sure	2	1	3	yes
24	4	6	6	5	2	5	3	not_sure	not_sure				3	not_sure	not_sure	not_sure	no	6	6	1	yes
25	4	1	5	2	5	1	4	yes	yes	4	3	2	3	yes	yes	yes	yes	4	2	2	yes
26	1	2	2	1	3	2	3	yes	yes	4	2	1	2	yes	not_sure	not_sure	not_sure	3	2	1	not_sure
27	2	2	6	2	6	3	5	yes	yes	3	2	1		yes	yes	yes	not_sure	2	1	3	yes
28			4	5			6	not_sure	not_sure	4	2	3	1	yes	not_sure	yes	not_sure	3	1	2	yes
29	2	5	1	2	3	3	2	not_sure	yes	3	2	1		yes	yes	yes	yes	1	2	2	yes
30	6					4		yes	yes	4	3	2	1	yes	yes	not_sure	no	2	3	1	no
31	2	3	3	1	5	1	1	yes	yes	4	3	1	2	yes	no	no	yes	5	3	1	yes
32	6	4	6	4	4	4	6	yes	yes	3	2	1		yes	yes	not_sure	yes	1	2	3	yes
33	3	2	3	3	4	3	2	yes	yes			1	2	yes	not_sure	not_sure	not_sure	3	2	1	yes
34								not_sure	not_sure					not_sure	no	not_sure	no	6	4	1	yes
35	2	1	6	3	3	2	3	yes	yes				1	yes	yes	not_sure	not_sure		1		yes
36	1	1	1	1	1	1		yes	yes	1	1	1	1	yes	not_sure	no	not_sure	5	3	1	yes
37	2	2	2	2	3	4	1	yes	yes	3	2	1	1	yes	yes	no	no	5	3	1	yes
38	1	2	1	2	2	2	2	yes	yes	5	3	1	2	yes	not_sure	not_sure	not_sure	2	4	6	yes
39	3	5	3	4	2	6	5	not_sure	not_sure					yes	not_sure	yes	not_sure	6	3	2	yes
40	2		1	2			2	yes	yes		2	1		yes	not_sure	not_sure	not_sure	3	1	3	yes
41	4	3	5	2	3	4	2	yes	yes	2	1	1	1	yes	not_sure	not_sure	no	5	5	1	not_sure

	AU	AV	AW	AX	AY	AZ	BA
1	q17	q18_classroom	q18_book	q18_online	q18_cheat_sheet	q19	q20
2	only_outside	1	3	2	4	No, Tablet PC would be wonderful for all students	Software to view students computer in class, forget name, allows instructor to switch to students computer and see what students are doing.
3	only_outside	1	1	3	1		
4	only_outside	1	2	2	6		MORE MATERIALS FOR MATH USE
5	only_outside	1	2	4	2	LCD projectors in each classroom	not sure what is available
6	yes	1	6	3	3		
7	only_outside	1	4	3	2		
8	yes	1	6	2	1		
9	yes	1	4	3	2		lcd projectors in each room used either with a tablet or a pc
10	yes	1	2	6	2	more computers in the classroom	
11	yes	1	3	4	2	I think the tablet pcs would be excellent. The only concern I have with them is how easy the students could keyboard using them. I know they could also write and have it translated, but some of the students write so sloppy that I do not know if it would translate properly. HOWEVER, for the money and what it can do, the tablet pcs are the best option.	I think the students would benefit from content specific software that provided tutorials within the content areas. It would be nice if every student could assess these computer based tutorials to review, on a weekly basis, the material that has been previously taught.
12	only_outside	1	3	4	1	possibly laptops if less expensive	no
13	yes	1	6	4	2	NA	NA
14	yes	1	6	6	6		
15	yes	2	3	1	4		
16	yes	1	4	2	3		
17	yes	2	1	3	4		
18	only_outside	1	2	3	4		
19	only_outside	1	3	2			I use Inspirations software, and I really like its capabilities. It enhances visual learning very well.
20	yes	1	3	2	4		
21	only_outside	1	3	3	4		
22	yes	1			2		
23	only_outside	1	4	3	2		
24	only_outside	6	1	1	1	no	no
25	only_outside	2	5	2	6		
26	yes	3	2	2	2	no	i don't know
27	only_outside	1	6	2	4		
28	yes	1	3	2	2		
29	only_outside	3	3	3	3		
30	only_outside	4	2	3	1		
31	only_outside	3	1	1	2		
32	only_outside	1	2	3	4		
33	yes	1	2	3	4		
34	yes						
35	yes	1	6	2	2		
36	yes	1	3	1	2		
37	only_outside	1	3	1	1	A tablet PC would be a great addition to the classroom.	Connecting overhead projects the tablet PC for classroom presentations and demonstrations.
38	only_outside	2	5	3	3	No.	Yes PDA's.
39	yes	1	1	1	6	Good Teachers	hands on expereance
40	yes	1		2			
41	only_outside	1	4	1	4		

	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK
1	q21	q22_1-Desktop	q22_2-notebook	q22_3-PDA	q22_4Digital	q22_5DVD	q22_6-LCD	q22_7DVD-CDROM	q22_8-network	q22_9-word
2	Mobile labs, some instructors feel it is too big of hassle to use.	regular	freq	regular	like_to_learn	freq	rare			freq
3		freq	like_to_learn	rare	rare	freq	regular	freq	regular	freq
4	CHARTS/GRAPHS/	use_school	use_school	never	never	rare	use_school	rare	use_school	use_school
5	not sure	freq	rare	never	never	never	use_school	rare	use_school	use_school
6		freq	use_school							freq
7		freq	regular	rare	use_home	freq	regular	freq	freq	freq
8		use_school	use_school	never	use_home	use_home	use_school	use_school	use_school	use_school
9		freq	like_to_learn	like_to_learn	regular	like_to_learn	freq	never	freq	freq
10	laptops (time for use, space, and availability)	regular	rare	never	never	rare	never	never	regular	freq
11	A projector in each classroom would enable all teachers to take adavantage of power point presentations and internet links to teach the content. This type of interactive technology presentations would definitely enhance learning in the content areas.	use_school	use_home	rare	never	rare	regular	never	use_school	use_school
12	training teachers on technology, to better teach their students and utilize what's out there	regular	never	never	regular	never	never	never	regular	regular
13	NA	freq	use_home	regular	never	never	regular	freq	regular	freq
14		freq	never	never	never	rare	never	never	never	use_home
15		freq	rare	freq	never	use_home	regular	rare	regular	freq
16		freq	freq	freq			rare		freq	freq
17		freq	rare	like_to_learn	never	like_to_learn	rare	like_to_learn	regular	freq
18		freq	rare	freq	rare	never	never	rare	freq	freq
19	Inspirations	regular	like_to_learn	freq	regular	like_to_learn	use_school	use_home	freq	freq
20		freq	rare	freq	never	never	freq	rare	freq	freq
21		regular	use_home	never	never	never	never	never	regular	rare
22		regular	regular							regular
23	computer lab	freq	rare	use_home	use_home	rare	use_school	use_school	use_school	use_school
24		freq	freq	never	rare	freq	never	freq	freq	freq
25		use_school	use_school	rare	rare	never	rare	regular	use_school	use_school
26	I don't know	use_school	rare	like_to_learn	like_to_learn	use_home	never	use_home	use_school	use_school
27		use_school	use_school	rare	never	use_home	use_school	use_home	use_school	use_home
28		freq	rare	like_to_learn	never	like_to_learn	like_to_learn	like_to_learn	regular	freq
29	We have 2 1/2 Computer Labs available to use at school, and we have a cart of wireless tablets.	freq	use_school	rare	use_home	use_home	rare	use_home	use_home	freq
30		rare	rare		never			use_home	rare	use_home
31		freq	rare	never	never	never	rare	never	rare	freq
32		use_home	use_home	like_to_learn	rare		like_to_learn	like_to_learn	rare	use_home
33		freq	never	never	never	never	rare	regular	rare	freq
34										
35		regular	freq	rare	never	never	freq	never	regular	regular
36										
37	Training on need tools like Office.	freq	freq	rare	freq	regular	freq	freq	freq	freq
38	PDA's	freq	freq	rare	freq	rare	rare	freq	freq	freq
39	Teaching Methods	freq	freq	never	never	regular	freq	never	regular	regular
40		freq	rare	freq	never	never	never	rare	freq	freq
41		regular	regular	like_to_learn	like_to_learn	like_to_learn	like_to_learn	rare	regular	freq

	BL	BM	BN	BO	BP	BQ	BR
1	q22_10spreadsheet	q22_11-database	q22_12=powerpoin	q22_13ct	q22_14-games	q22_15im	q22_16studentmgt
2	freq	regular	regular	regular	rare	freq	regular
3	freq	never	freq	regular	regular	rare	freq
4	use_home	use_school	rare	rare	rare	rare	use_school
5	use_school	never	use_school	use_school	never	use_home	use_school
6							
7	regular	rare	freq	regular	never	regular	never
8	use_home	use_home	use_home	like_to_learn	use_school	use_home	use_school
9	freq	freq	freq	like_to_learn	rare	never	freq
10	rare	never	rare	rare	rare	never	use_school
11	use_school	like_to_learn	use_school	like_to_learn	rare	never	use_school
12	regular	rare	rare	rare	never	rare	never
13	use_home	never	use_home	never	never	use_home	use_home
14	use_home	never	never	never	never	never	never
15	freq	rare	regular	rare	never	never	regular
16	regular	rare	regular	rare	never	never	freq
17	regular	never	rare	rare	regular	never	freq
18	rare	rare	rare	rare	rare	never	rare
19	regular	like_to_learn	freq	rare	rare	use_home	freq
20	freq	rare	freq	rare	never	regular	regular
21	rare	rare	never	never	never	never	never
22	rare	rare	freq	regular	never	regular	regular
23	use_school	use_home	use_school	use_school	use_school	rare	use_school
24	freq	freq	rare	rare	freq	freq	freq
25	regular	rare	rare	rare	rare	rare	rare
26	use_school	like_to_learn	rare	like_to_learn	never	use_home	rare
27	use_home	never	use_school	never	use_school	rare	use_school
28	regular	regular	rare	regular	never	like_to_learn	freq
29	use_home	rare	use_school	use_school	rare	freq	freq
30	regular	regular		never	never	never	never
31	never	regular	rare	freq	regular	never	freq
32	like_to_learn	like_to_learn	like_to_learn	never	never	use_home	never
33	freq	regular	rare	never	never	never	never
34							
35	regular	regular	regular	rare	rare	regular	regular
36							
37	freq	freq	freq	regular	rare	freq	never
38	rare	rare	regular	rare	freq	freq	regular
39	regular	never	never	never	never	regular	never
40	freq	never	never	rare	rare	never	freq
41	rare	rare	like_to_learn	rare	like_to_learn	regular	regular