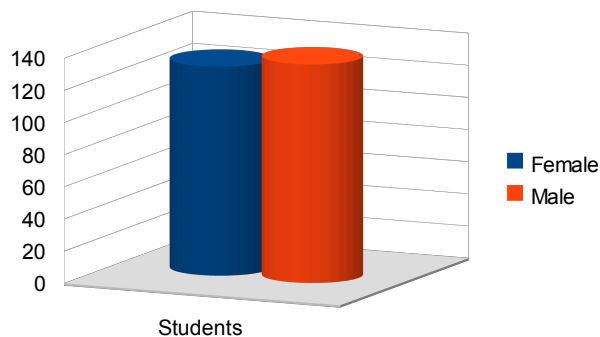


Liberty Academy - Student Analysis of Technology

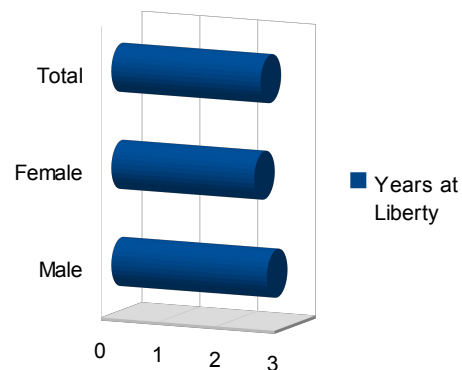
Population served

280 students took our technology survey. MAP students were ten students, whose numbers will be largely disregarded. Of the regular students reporting, 130 were female, and 136 male. The average male has been at Liberty Academy for 2.69 years, while the average female has been here 2.47. Average for both is 2.58. Maximum time at Liberty is reported as 6.5 years, while minimum was 0.25.

SECONDARY BY GENDER



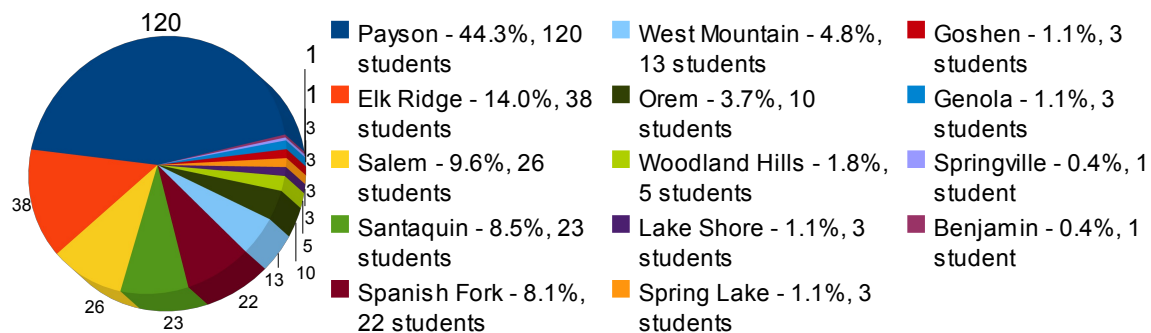
YEARS AT LIBERTY



Community Demographics

Fourteen communities are served by our school. The greatest portion of our students come from Payson, but students commute from as far as Orem, Genola, and Goshen.

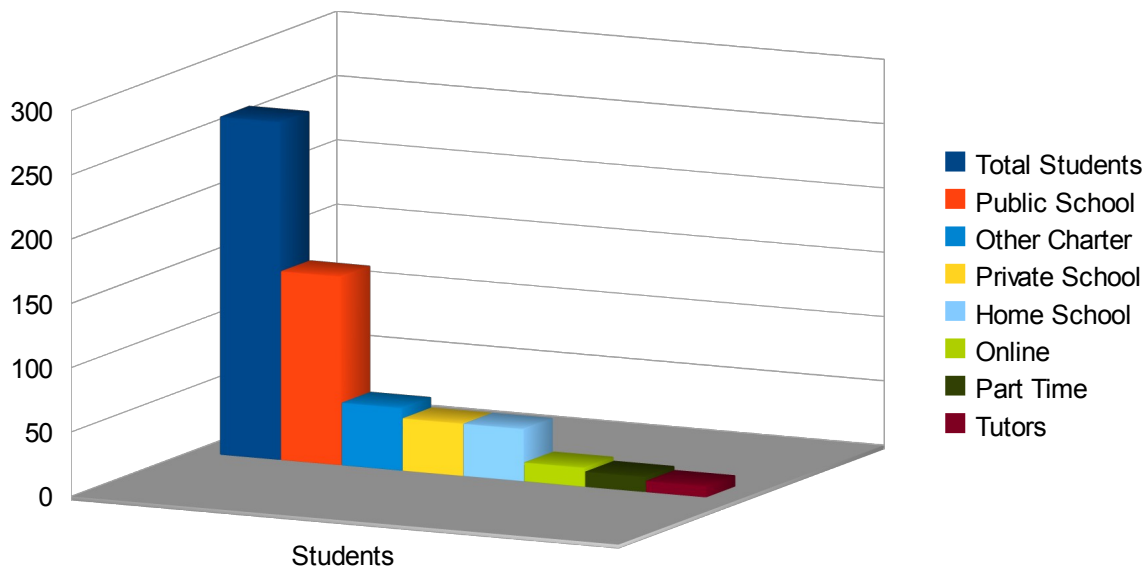
LIBERTY STUDENTS - HOME CITIES



Previous Education

Over half of our students report receiving previous education in public schools. Substantial portions of our students have also attended other charter schools, private schools, and home school. This data is further disaggregated in the various grades. As Liberty has only been opened for a handful of years, the data is not unexpected, but more and more students are starting and continuing their education at Liberty.

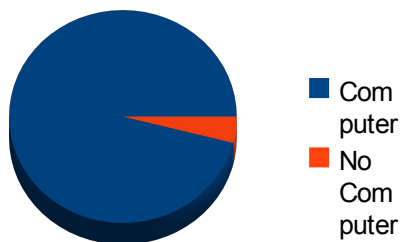
PREVIOUS EDUCATION



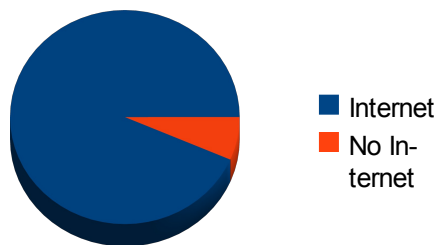
Computers at Home

96.0% of the 277 respondents reported having a computer at home. Additionally, 93.5% of students have access to the Internet at home. More data is available in the individual grade levels.

HOME COMPUTERS

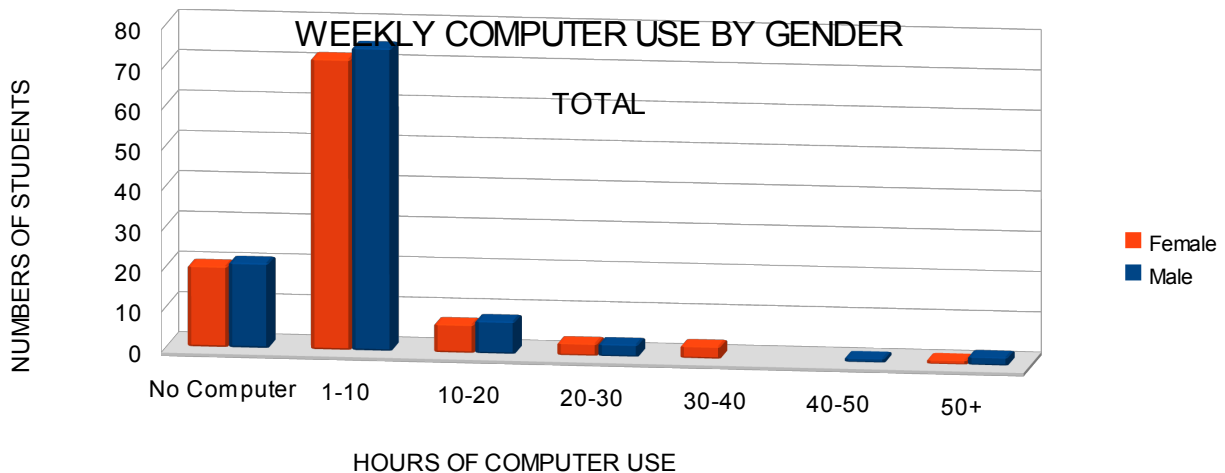


HOME INTERNET



Total Student Computer Usage

Two hundred and sixteen students in the survey gave quantifiable answers to the hours per week spent using the computer. Quantities such as "it varies" could not be counted. Of the usable numbers, the average student at Liberty Academy uses the computer 5.17 hours per week. This ranges from a high of 70 hours per week to many students who reported no computer use at all.

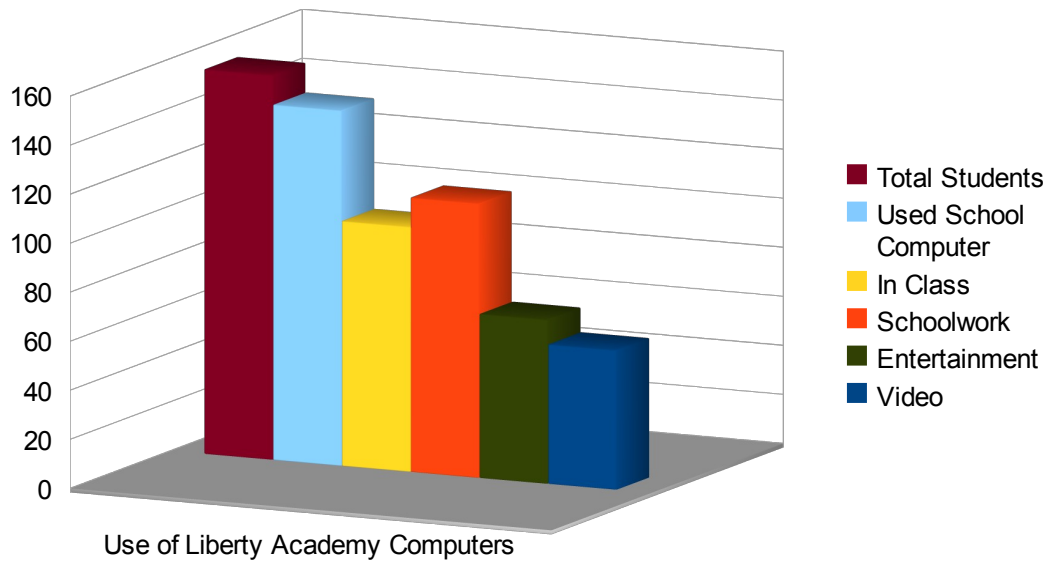


Use of Liberty Academy Computers

To keep the elementary surveys simple, the young elementary students (K-4th grade) were not surveyed about the use of computers at school. According to the survey, many students use the computers frequently, under very specific teacher direction. Secondary students have a very different computer use. The following was the result for grades 5-12. Additional data is found within the grade breakdowns.

157 students answered the survey. 92.4% of our students, 145 of the 157, report having used school computers before. 100, or 63.7% have used computers in class. 112, or 71.3% have used the computers to do schoolwork. 42.7% or 67 students said they have used the computers for entertainment. 57 students have used the video editing programs, about 36.3%. Other reported uses include email, PhotoShop, programming, other multimedia uses, typing, and yearbook.

(graph on next page)



Student Comments

Students were allowed to add comments. No prompt was given for any specific topic, other than the comments should focus on technology. Most did not add comments. Those that did had the following requests or notes:

Eight students commented that the school needs newer computers. Six stated that we need better wireless, and one gave a general comment that our technology needs to be updated. Two requested Apple computers at school. One requested that photography and yearbook classes would be open to seventh-grade students, and another requested a typing class. Two were very positive with one reporting "Great tech!" and another stating "It is awesome!"

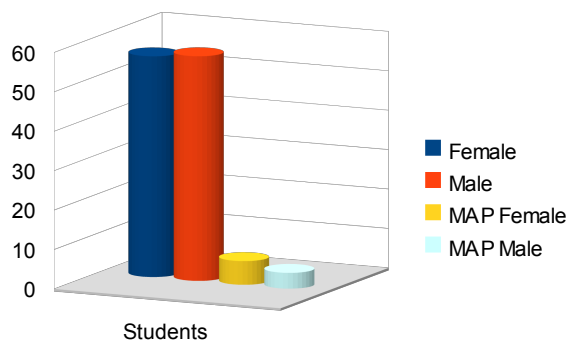
Comments also included one request for a sports program, and another student's complaint that some students were using the computers for iTunes rather than work. Three students also requested that Facebook be allowed at school.

Elementary (K-4th) Student Analysis

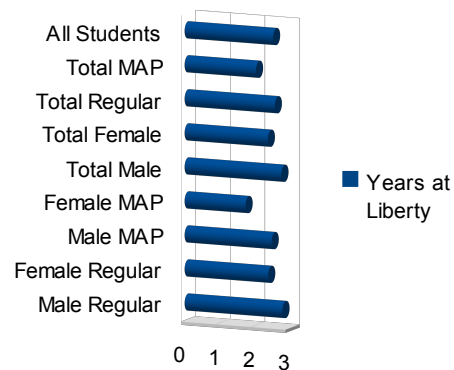
Population served

123 elementary (K-4) students took our technology survey. Ten of these students were from our outreach (MAP) program, and their data was dealt with separately. Data will be largely constructed of the 113 remaining students. Of these, 56 were female, 57 were male. For MAP students, there were six females and four males reporting. The average regular-education male has been at Liberty Academy for 2.81 years, while the corresponding female has been here 2.40. Average for these is 2.59. For MAP students responding, males were 2.5 years and females were 1.75, averaging 2.05 years. All total, these students average 2.54 years at Liberty. Maximum time at Liberty is five years (K-4), while minimum was 0.5. Data may be slightly skewed upwards as the kindergarten classes did not report years.

ELEMENTARY GRADES BY GENDER



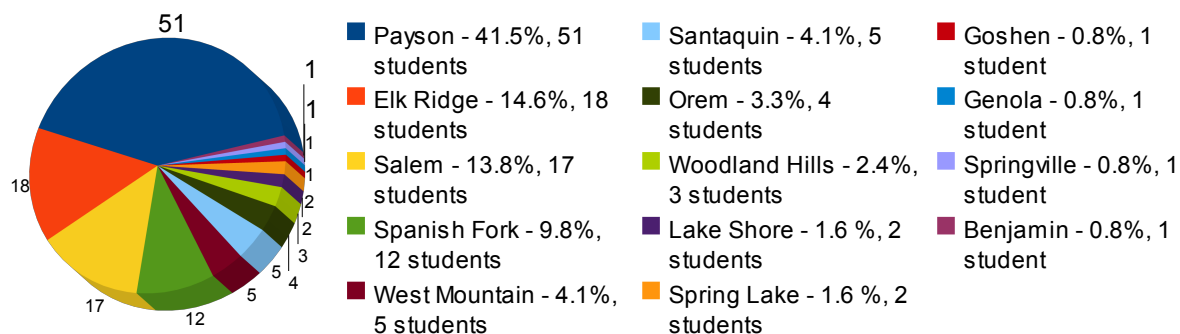
YEARS AT LIBERTY



Community Demographics

With MAP and regular education combined, fourteen communities are served by our elementary program. The greatest portion of our students come from Payson, but students commute from as far as Orem, Genola, and Goshen.

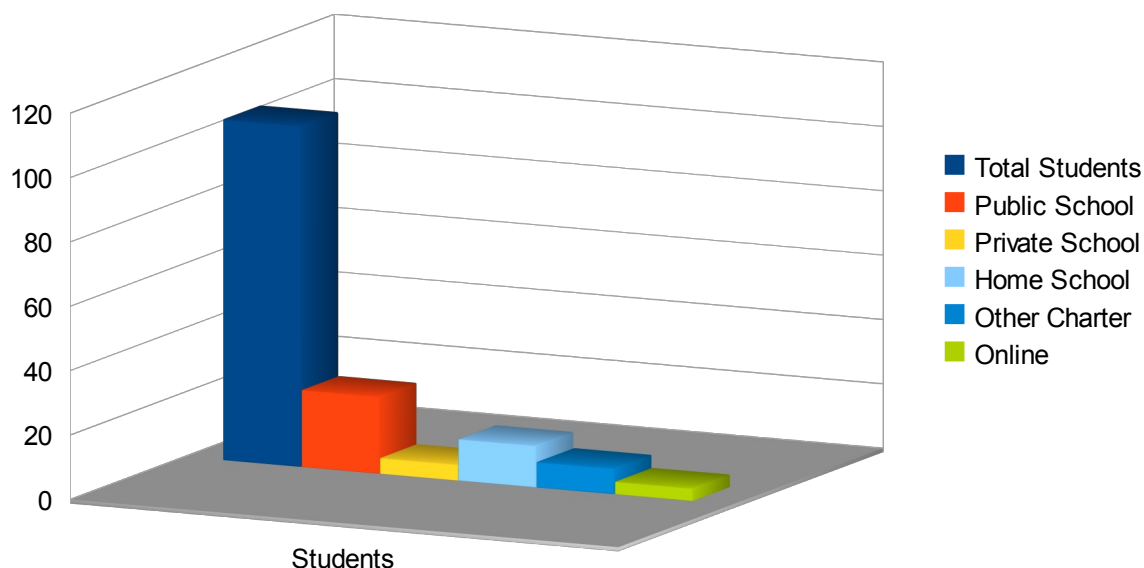
ELEMENTARY STUDENTS – HOME CITIES



Previous Education

Some of our elementary students have spent their full education at Liberty Academy. 22.6% percent our students reported some education in traditional public schools. 4.8% reported some private schooling. 12.5% reported some home schooling. 7.7% have attended a different charter school before Liberty Academy. 3.8% reported receiving some of their education online. 5%, have attended school part time at some point.

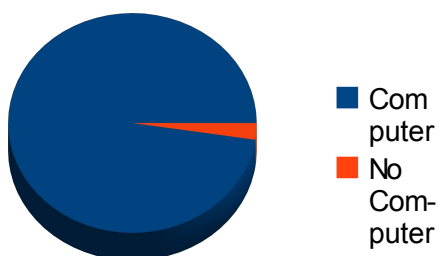
PREVIOUS EDUCATION



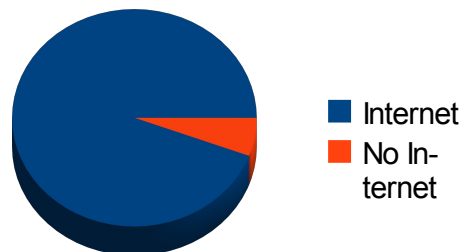
Computers at Home

Most who responded, 97.6% or 120 out of 123, reported having a computer at home. Of these, all but two have Internet access, and two students did not know whether they had Internet, so a total of 94.3% of students have access to a computer and the Internet at home. Of those with computers at home, 93 reported that there were two or more computers in the home.

HOME COMPUTERS

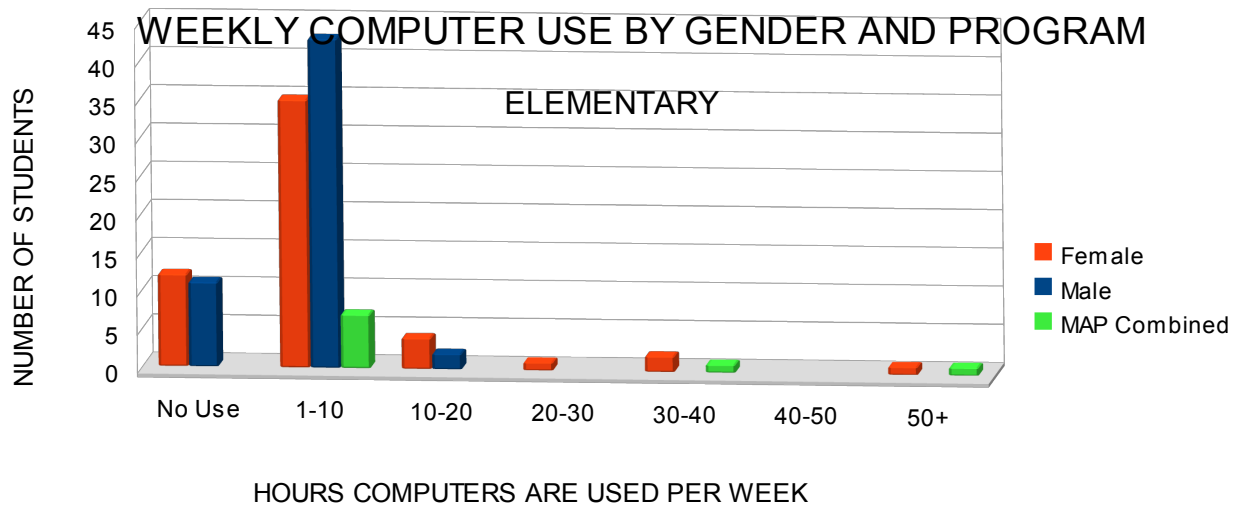


HOME INTERNET



Total Student Computer Usage

120 students in the survey gave quantifiable answers to the hours per week spent using the computer. Of the usable numbers, the average elementary student at Liberty Academy uses the computer 4.64 hours per week. This ranges from a high of 70 hours per week to many students who reported no computer use at all.

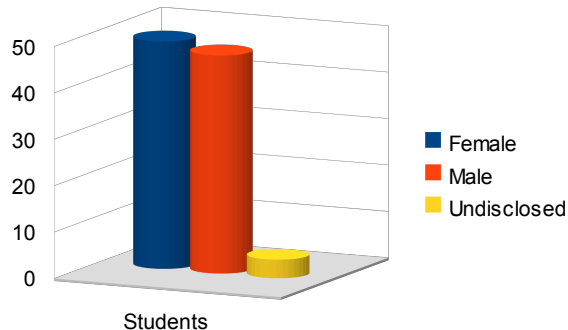


5th through 7th Grade Student Analysis

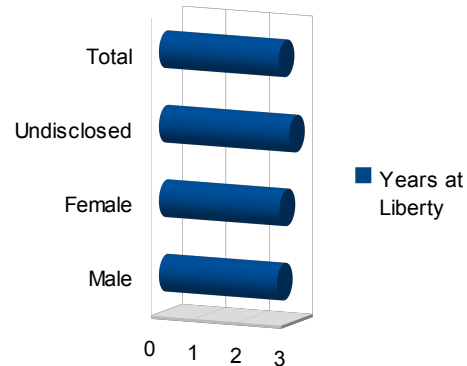
Population served

100 mid-level students took our technology survey. Of these, 49 were female, 47 were male, and four did not disclose gender. The average male has been at Liberty Academy for 2.72 years, while the average female has been here 2.78. Average for all is 2.76. Because Liberty is a K-12 school, this represents a short time at the school on average. Maximum time at Liberty is six and a half years, while minimum was 0.25.

MIDDLE GRADES BY GENDER



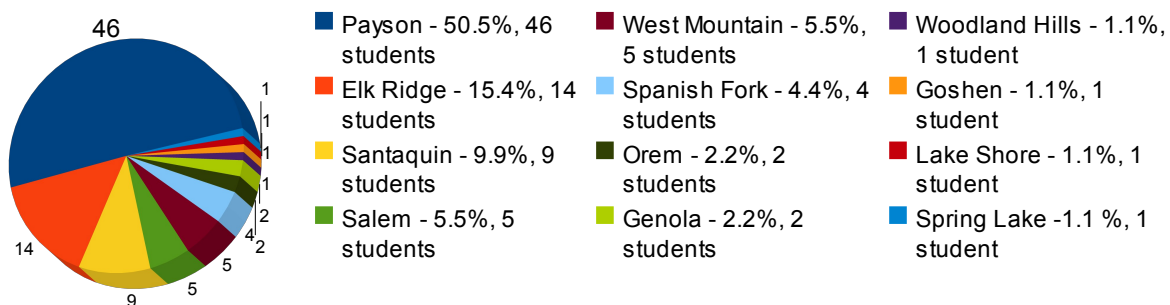
YEARS AT LIBERTY



Community Demographics

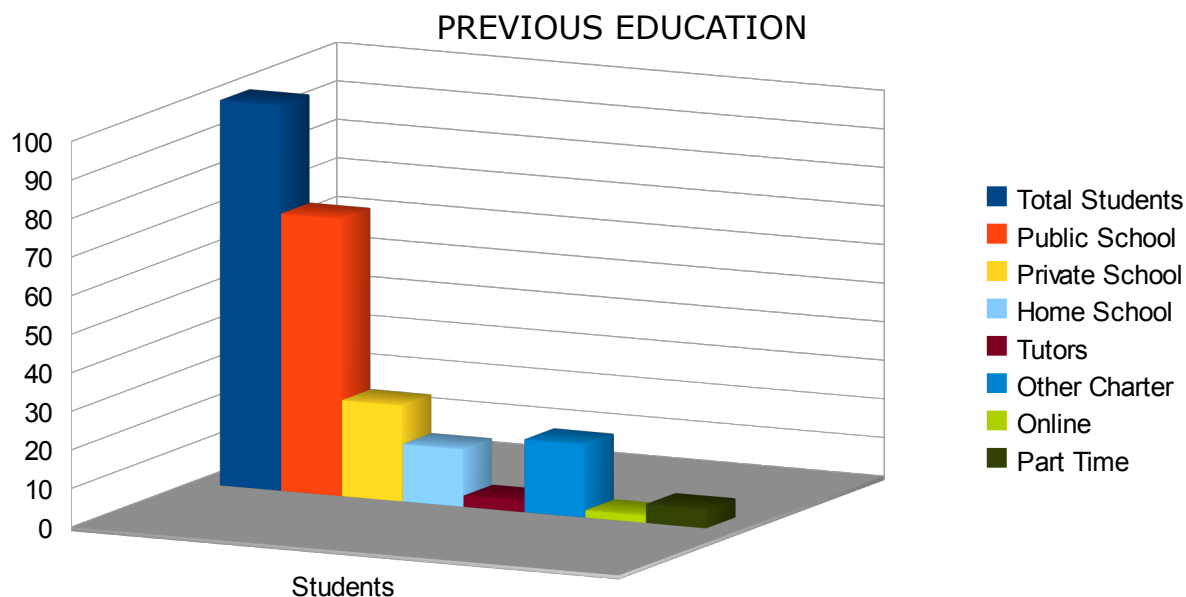
Twelve communities are served by our mid-level program. The greatest portion of our students come from Payson, but students commute from as far as Orem, Genola, and Goshen.

MIDDLE-LEVEL STUDENTS – HOME CITIES



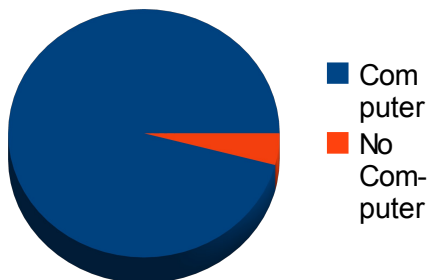
Previous Education

Seventy-two percent of our students reported some education in traditional public schools. 25% reported some private schooling. 15% reported some home schooling, with one reporting more than ten years of home schooling, and three additional receiving five or more years. 3%, reported having private tutors at some point in their education. 19% have attended a different charter school before Liberty Academy. 2% reported receiving some of their education online. 5%, have attended school part time at some point.

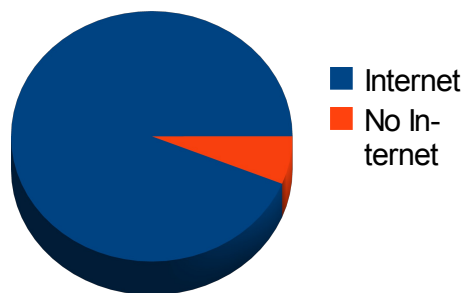


Computers at Home

Most who responded, 96.9%, reported having a computer at home. Of these, all but three have Internet access, so a total of 93.8% of students have access to a computer and the Internet at home. Of those with computers at home, 44 reported that there were two or more computers in the home.



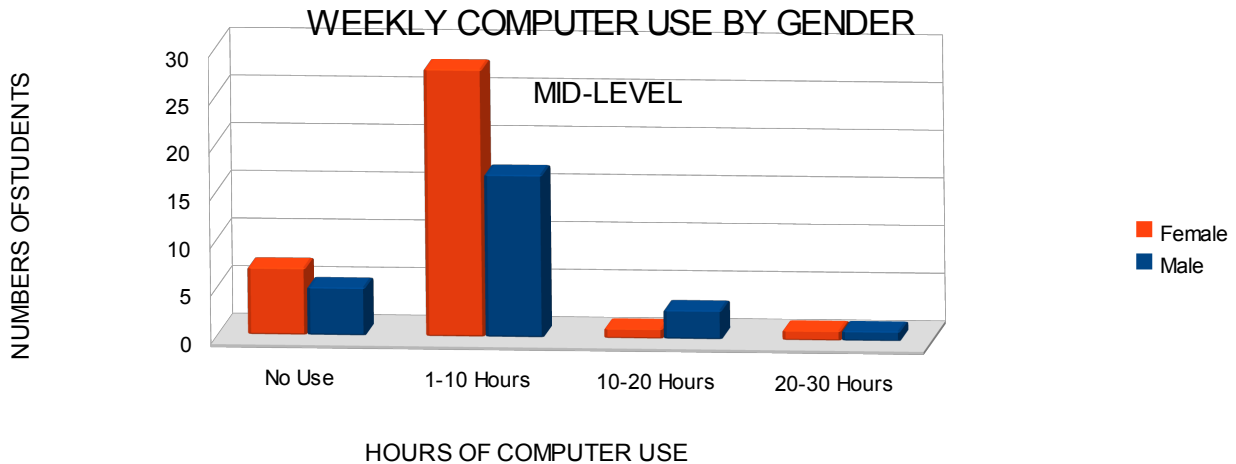
HOME COMPUTERS



HOME INTERNET

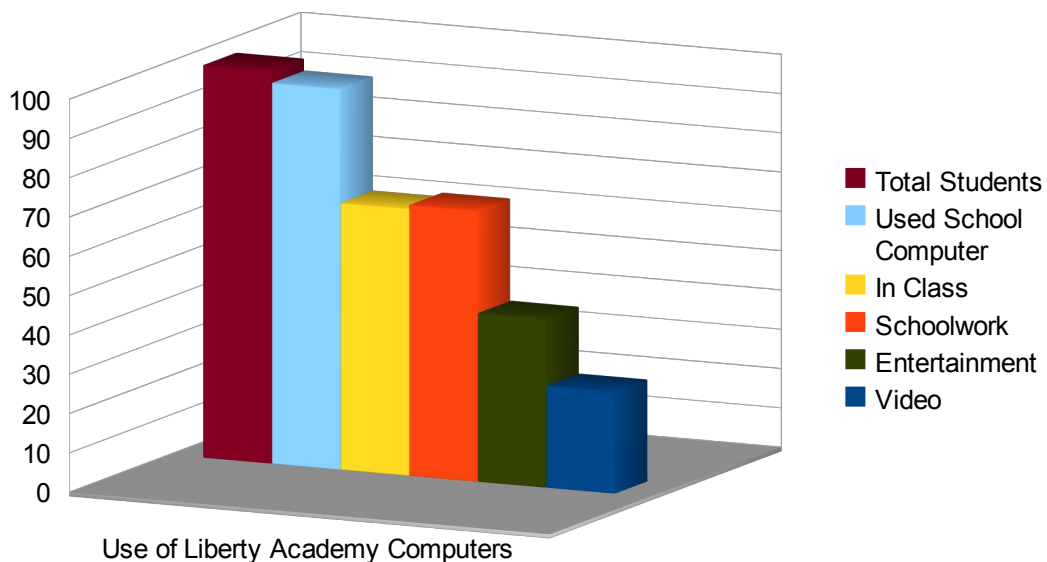
Total Student Computer Usage

Sixty-three students in the survey gave quantifiable answers to the hours per week spent using the computer. Quantities such as "it varies" or "As much as I want" could not be counted. Of the usable numbers, the average mid-level student at Liberty Academy uses the computer 3.31 hours per week. This ranges from a high of 24 hours per week to several students who reported no computer use at all.



Use of Liberty Academy Computers

There were 100 students with quantifiable data. 97% of our students report having used school computers before. 68% have used computers in class. 69% have used the computers to do schoolwork. 43% of students said they have used the computers for entertainment. 26% students have used the video editing programs. Other reported uses include typing and creative writing.



Student Comments

Students were allowed to add comments. No prompt was given for any specific topic, other than the comments should focus on technology. Most did not add comments. Those that did had the following requests or notes:

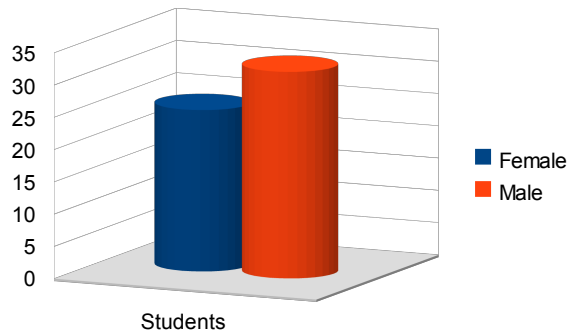
Three requested better Internet connection. Two requested Apple computers at school. One requested that photography and yearbook classes would be open to seventh-grade students, and another requested a typing class. Two were very positive with one reporting "Great tech!" and another stating "It is awesome!"

Secondary (8th- High School) Student Analysis

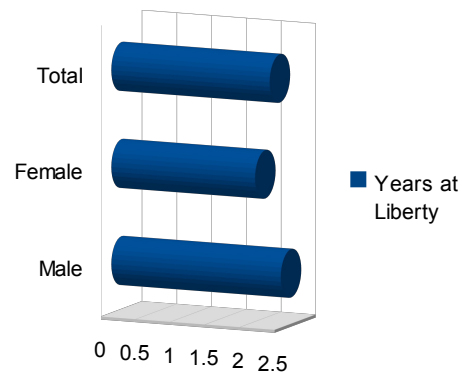
Population served

57 secondary students took our technology survey. Of these, 25 were female, and 32 male. The average male has been at Liberty Academy for 2.44 years, while the average female has been here 2.02. Average for both is 2.28. Because Liberty is a K-12 school, this represents a short time at the school on average. Maximum time at Liberty is six years, while minimum was 0.25.

SECONDARY BY GENDER



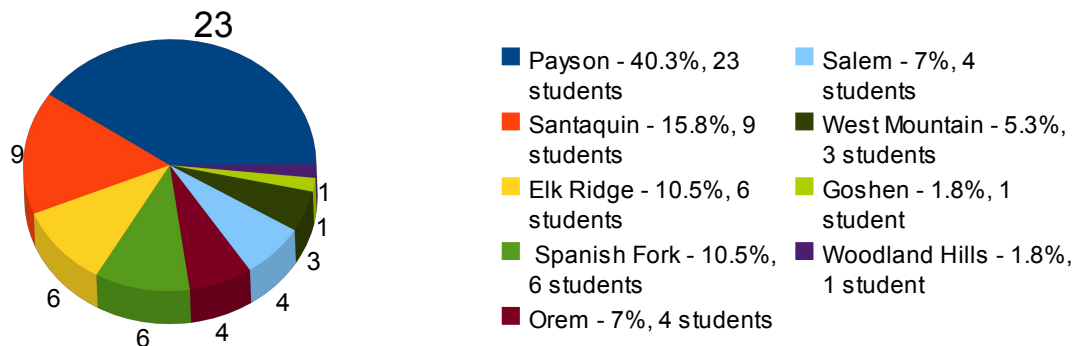
YEARS AT LIBERTY



Community Demographics

Nine communities are served by our secondary program. The greatest portion of our students come from Payson, but students commute from as far as Orem and Goshen.

SECONDARY STUDENTS – HOME CITIES

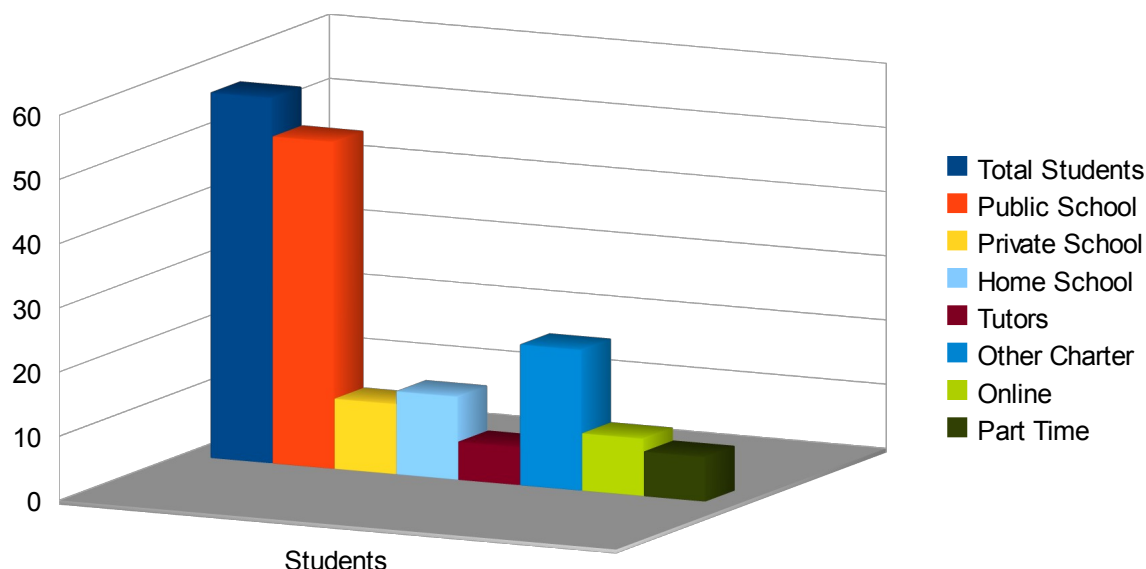


Previous Education

All but six of our students reported some education in public schools. This represents 89.5% of all students. Eleven students, or 19.3% reported some private schooling. Thirteen, 22.8% reported some home schooling, with two receiving more than ten years of home schooling, and three additional receiving

five or more years. Six, 10.5%, reported having private tutors at some point in their education. Twenty-two students, or 38.6% have attended a different charter school before Liberty Academy. Nine, 15.8% reported receiving some of their education online. Seven, 12.3%, have attended school part time at some point.

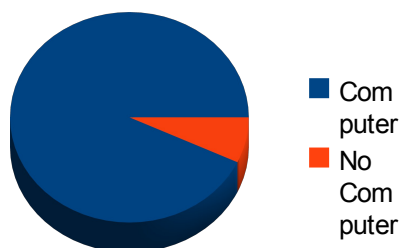
PREVIOUS EDUCATION



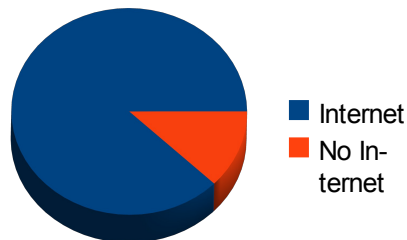
Computers at Home

All but four of our students, or 93.0%, reported having a computer at home. Of these, all but three have Internet access, so a total of 87.7% of students have access to a computer and the Internet at home. Of those with computers at home, 42 reported that there were two or more computers in the home.

HOME COMPUTERS

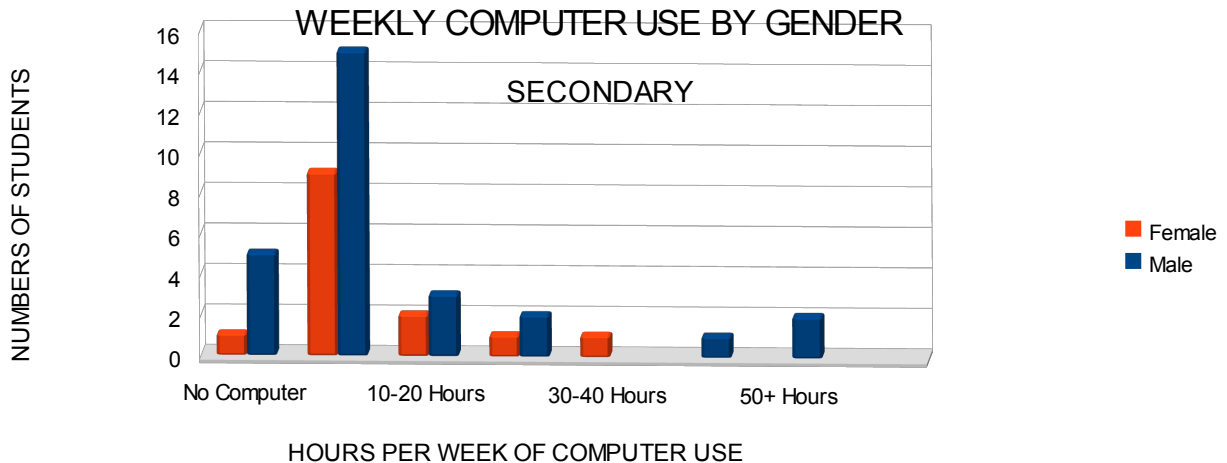


HOME INTERNET



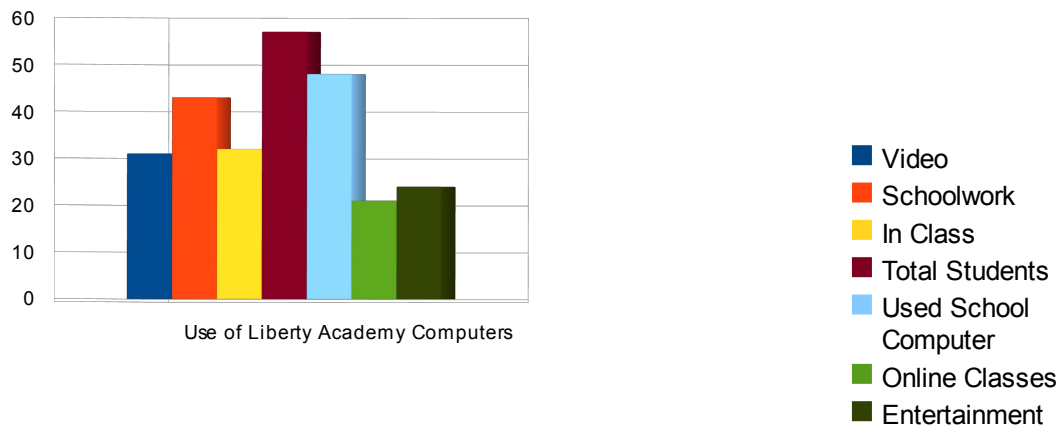
Total Student Computer Usage

Forty-two students in the survey gave quantifiable answers to the hours per week spent using the computer. Quantities such as "it varies" could not be counted. Of the usable numbers, the average secondary student at Liberty Academy uses the computer 9.48 hours per week. This ranges from a high of 60 hours per week to several students who reported no computer use at all.



Use of Liberty Academy Computers

84% of our students, 48 of the 57, report having used school computers before. 21, or 36.8% reported using them for online classes. 32, or 56.1% have used computers in class. 43, or 75.4% have used the computers to do schoolwork. 42% or 24 students said they have used the computers for entertainment. 31 students have used the video editing programs, about 54.4%. Other reported uses include email, PhotoShop, programming, other multimedia uses, and yearbook.



Student Comments

Students were allowed to add comments. No prompt was given for any specific topic, other than the comments should focus on technology. Most did not add comments. Those that did had the following requests or notes:

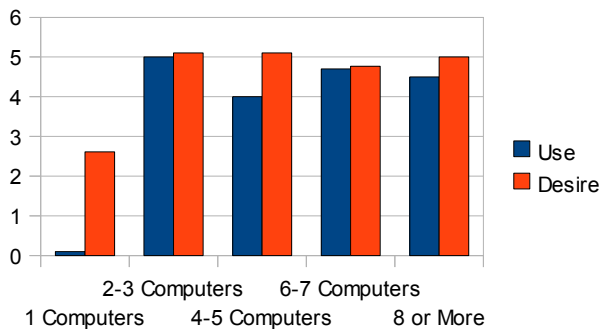
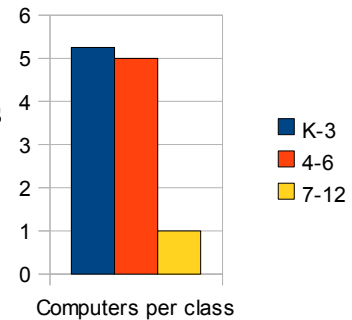
Eight students commented that the school needs newer computers. Three stated that we need better wireless, and one gave a general comment that our technology needs to be updated. Comments also included one request for a sports program, and another student's complaint that some students were using the computers for iTunes rather than work. Three students also requested that Facebook be allowed at school.

TECHNOLOGY SURVEY – TEACHERS

Eighteen teachers answered our technology survey. Eight of these were K-3, four were in the 4th to 6th grades, and the remaining six were in the secondary education. This survey asked how many working computers were in each classroom, the other equipment, computer use, requests, and a prioritizing of future purchases.

AVERAGE COMPUTERS PER GRADE

Teachers were asked how many working computers, including the computer provided for teacher use were in their classrooms. K-3 teachers reported an average of 5.25 working computers, 4-6th grade teachers reported five, and secondary teachers reported one working computer per classroom. While there are additional laptops on the secondary side, there has been a problem getting these computers to go online, and are generally not available for an entire class.



Because of the lower number of computers in the secondary classroom, there is understandably lower computer use in those classrooms. Six teachers reported no computer use within their class. All six of these teachers had only the single teacher computer. There was one additional teacher with only a single computer, but this one did not report how often the students used computers.

For teachers reporting more computers, all but one used the computers four or more times per week. Daily users were either happy with their computer use, or wished to increased it. Other teachers seemed to universally desire to increase computer use in the classroom. Even daily computer users wanted more computer use per day.

OTHER EQUIPMENT

Equipment has been segregated by grade level as well. Eleven of the teachers reported using their own property as technology within their classroom. Not all equipment reported specified whether it belonged to the school or the teacher. A snapshot of the technology was taken. The following were reported:

Elementary K-3

- 7 LCD Projectors (one personal)
- 4 Printers (all personal)
- 5 Document Cameras (one personal)
- 2 Video players (both personal)
- 3 Overhead projectors
- 1 Kindle e-reader (personal?)
- 1 Television
- 2 Speakers (both personal)

Elementary 4-6

- 2 LCD Projectors
- 2 Printers (both personal)
- 1 CD Player (personal)
- 2 Speakers (one personal)
- 3 Overhead projectors

Secondary 7-12

- 2 Smartboards
- 2 LCD Projectors
- 2 DVD Players
- 1 VCR
- 1 CD Player (personal)
- 3 Overhead projectors (one not wanted)
- 2 Printers (both personal)
- 3 Speakers (2 personal)
- EdNet Equipment

General

Additional computers - "Computer on wheels" sets – some usable

SOFTWARE USED WITHIN CLASSES

Teachers were asked to list software used within the classroom other than Open Office, SIS (Grading), and the Internet. The following were reported.

Smartboard software	AR	Prentis Hall Resources
Star (Renaissance)	Prezi	Photoshop
Video editing software	Microsoft Office	SA+ SR
Utah History for Kids	Blueberry	Online typing
A+	Rosetta Stone	Davis Typing
Instant Immersion		

DESIRED TECHNOLOGY

Many teachers listed both software and hardware desired for their teaching. Eleven teachers desired specifically to have a smartboard in their room. Seven wanted more computers or a working lab. Five teachers mentioned document cameras. A projector was requested by five teachers as well. Four requested more printers. Additional desires included Internet for the students, Kindles, Pixie, Microsoft office suite (including Word and Powerpoint), typing instruction, speakers, a microphone, a television, DVD players, and educational games.

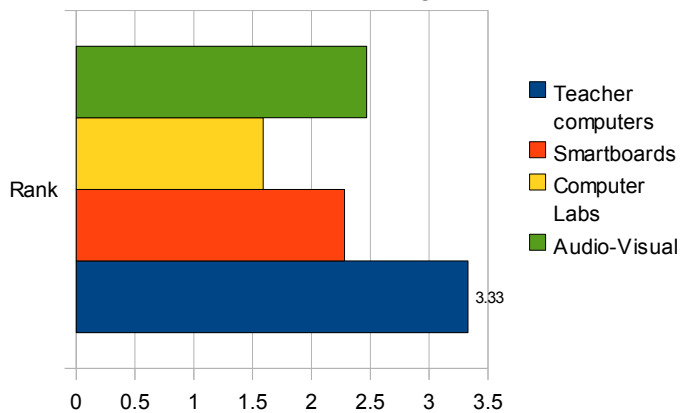
RANKING FOUR ITEMS

Teachers were asked to rank four-five items according to need. The four items were "upgrading teacher computers", "smartboards", "computer labs", and "audio visual equipment". Teachers were also allowed to write in an "other" in this category. The following are the averages for the rankings.

<u>Technology Use</u>	<u>Rank</u>
Teacher computers	3.33
Smartboards	2.28
Computer Labs	1.59
Audio-Visual	2.47

RANKING FOR COMPUTER NEEDS

(Lower number is higher rank)



According to the rankings, the teachers are most interested in getting computer labs for students. This far outweighs other needs, according to the survey. Smartboards were second in the technology request. Audio-visual needs included document cameras, which many of the teachers wanted. The LCD projectors were also requested.

There were two teachers who listed other technology needs. Most of these could fit into other topics, such as audio-visual needs. Overall, teachers seem to be very concerned about student computer work.