



Western Boone Junior-Senior High School

1:1 Proposal
April 22, 2015



Mission Statement

Western Boone Junior-Senior High School is committed to creating an inspiring and safe environment where all students are encouraged to maximize personal growth and accountability while being empowered with the tools necessary to be problem solvers and life-long learners.



"There aren't any icons to click. It's a chalk board."



Living and Learning in the Digital Age

- Immediate access to information
- Faster communication
- Adaptation to way individuals find answers
- Knowing how to synthesize the information vs. rote memorization
- Research/problem-solving
- Increased responsibility for digital citizenship:
 - norms of behavior with regard to technology use." It encompasses digital literacy, ethics, etiquette, online safety, norms, rights, culture and more.



Survey Results

Spring 2013 Technology Audit indicated that parents, teachers and administrators believed the following were the most important components of technology integration:

- Better preparation for college and careers
- More opportunities for creative expression
- Improved academic achievement
- Lifelong learning
- Greater organization
- Higher student engagement in class assignments



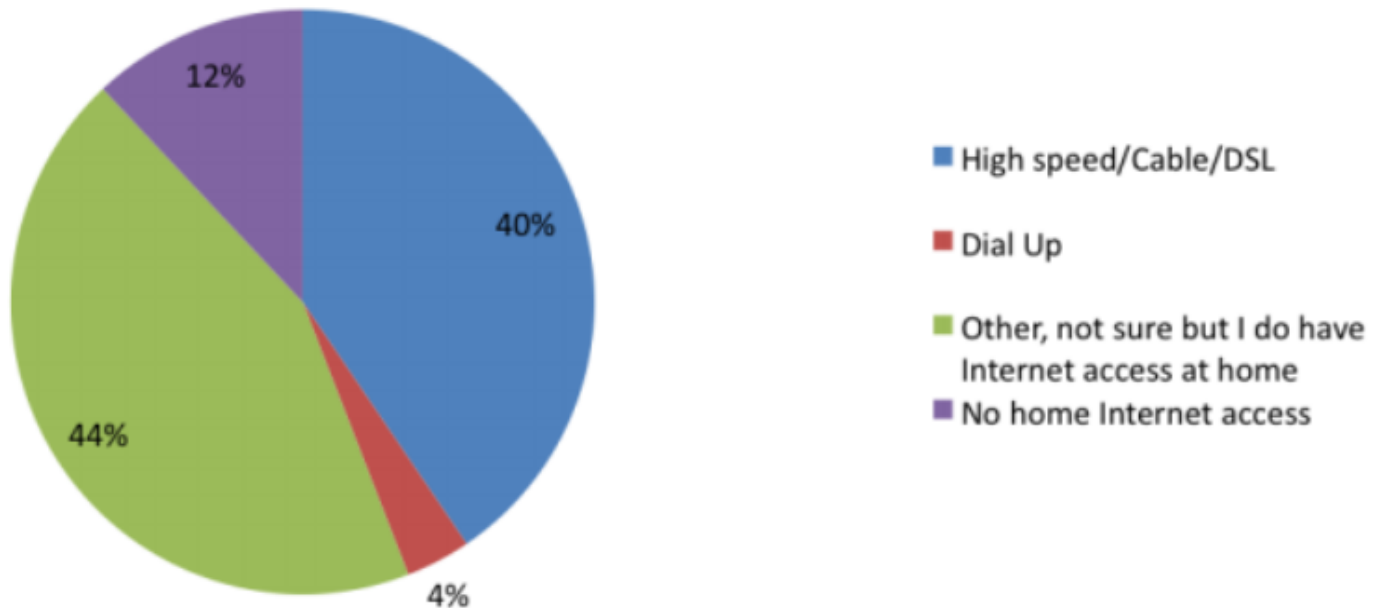
Survey Results (cont.)

- A majority of students believe that additional use of technology could help them learn. Only a few (7%) suggest that it would not.



Survey Results (cont.)

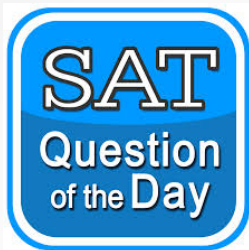
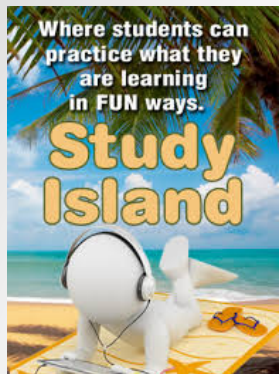
- What type of internet connection do you have at home?





Why go 1:1 at WeBo

- Transition to more student centered learning vs. teacher centered
- Expand resources available to students and teachers
- Prepare students for the “real world” by learning/teaching with real tools
- Close the digital divide – All students have same learning opportunities regardless of socioeconomic status
- Provide a global experience (beyond Boone County)
- Opportunity for increased differentiation with individual students
- Increase engagement with interactive resources
- Offer competitive learning environments



Technology is used to Educate:



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Evening and online classes

Our courses are open to all—no application required. Study online or on campus in the fall, spring, or intensive January session for undergraduate or graduate credit, or noncredit.

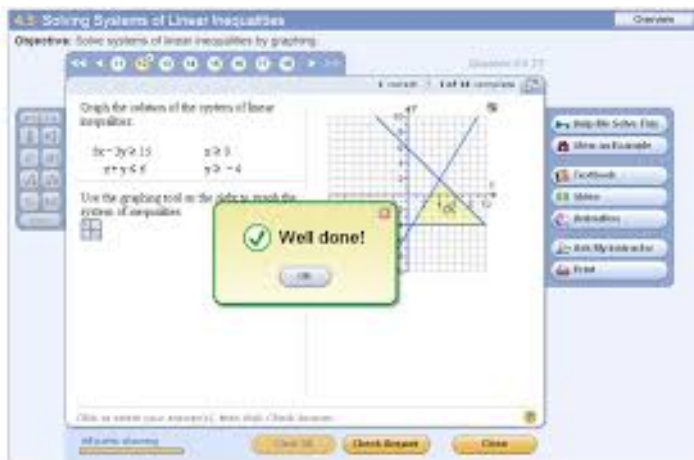
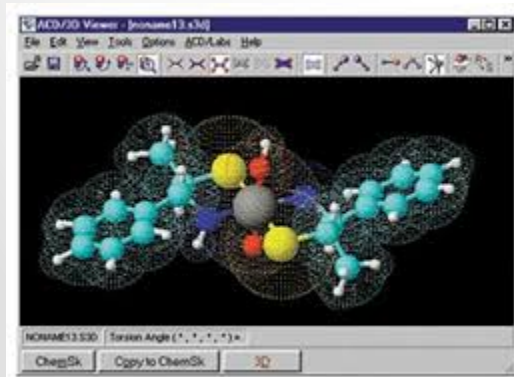
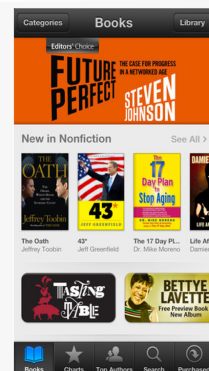
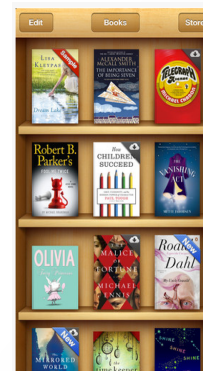
- More than 65 subjects to choose from
- A faculty of Harvard scholars and industry leaders
- Classes in Harvard Yard or streaming online to your computer

“Harvard Extension School represents the University's dedication to extending its academic resources to the public locally, nationally, and internationally.”

—Michael Shinagel, PhD, Dean
Continuing Education and
University Extension

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Search over 600 online and on-campus courses in 65 fields



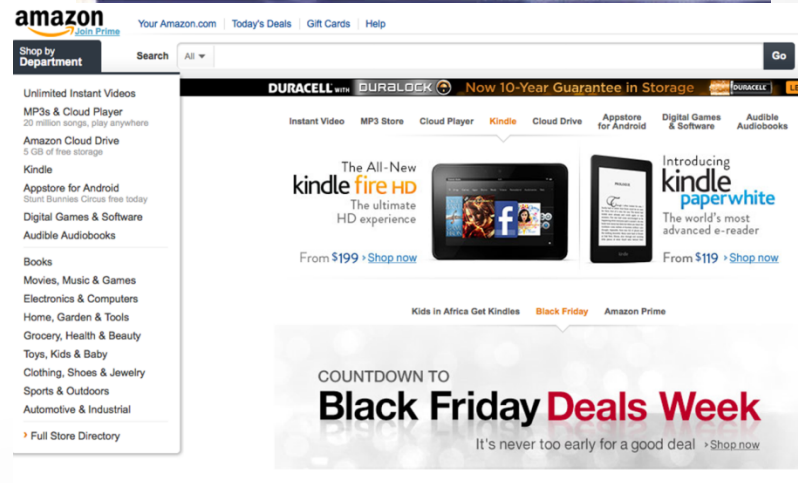
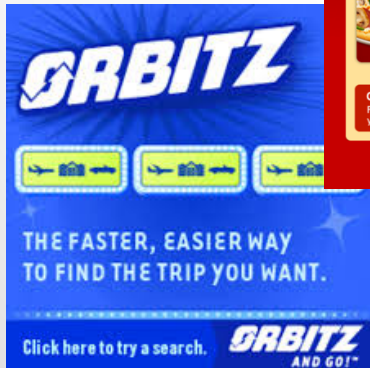
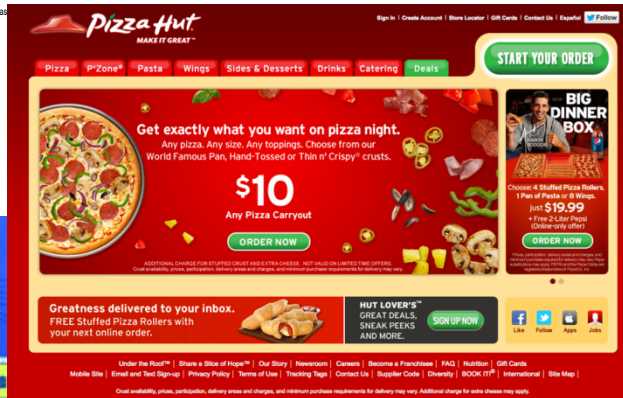


Technology is used to Produce:





Technology is used to Consume:





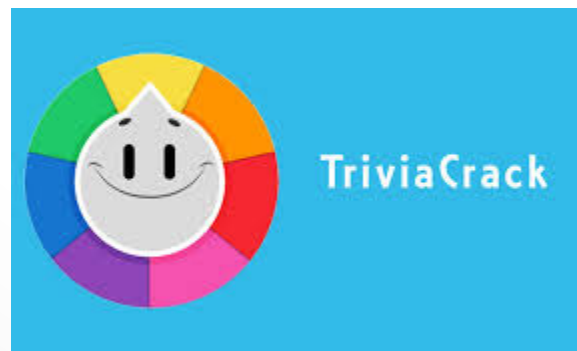
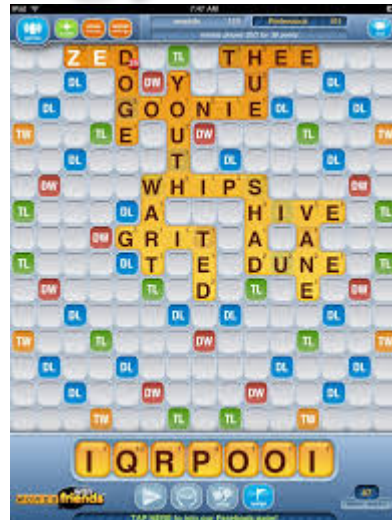
Technology is used to Communicate:





Technology is used to Entertain:

Instagram



Present Classrooms



Future of our Classrooms





The Impact in English Classrooms

- Research projects created and submitted on My Big Campus
- Increased discussion participation from each student due to various ways to submit answers and opinions
- Increased collaboration and sharing of ideas among students
- Real time comprehension, assessment, and feedback
- Reduced copying and increased student accountability

The screenshot displays the 'my Big Campus' interface. On the left is a sidebar with icons for EduTalk, Schoolwork, Messages (with a notification bubble), Drive, Calendar, Groups, Library, Reports, and a user profile icon. The main content area features a header with a search bar and a 'Create' button. Below this is a large image of a magnifying glass over the word 'RESEARCH'. To the right of the image, it says 'By Amanda Cornelius', 'Created Fri, Dec 19, 2014 1:01 PM', and 'Updated Mon, Jan 19, 2015 12:21 PM'. Below the image is a tabbed interface with 'Contents', 'Details', 'Comments', and 'Standards' tabs. The 'Contents' tab is active, showing a list of documents: 'Document: Calendar 2015.pdf', 'Document: Topic List.pdf', and 'Document: Research Paper Assignment and Timeline.pdf'. Each document entry has a red 'PDF' icon next to it.



Steps Already Taken

- Laptops (Lenovo Twist) for all staff members in January of 2014.
- Professional development throughout 2013-14 & 2014-15. Emphasis placed on MyBigCampus.
 - MBC – an educational hub between students, teachers, and the Web that takes all the features of an LMS (like lessons, assignments, reporting, calendars) and puts them into a safe, collaborative community.
- Laptops in all language arts classes and media center.
- Media Center redesigned and a focus has been placed on e-books.
- Students allowed to bring own devices at teacher discretion.



Steps Taken (cont.)

- 1:1 Committee Formed – K. Whiteley, T. Reed, R. Ramey, A. Pond, M. Riggins, A. Vaughn, D. Pierce, A. Cornelius, A. Conrad, and B. Walker.
- Site Visits to Batesville High School and North Daviess Junior-Senior High School.
- Teachers field tested demo units to determine best suitable device.
- Discussed technology integration and device choices with current students



Plan of Action

- Beginning 2015-16 school year, all students will have a laptop.
- All 7th and 8th graders will be given the Lenovos purchased prior to the 2014-15 school year for use in language arts.
- 9th-12th grade will be given a HP Probook 645.
- 3 Mobile Mac Labs and all desktops in current computer labs will be redistributed to elementary schools.



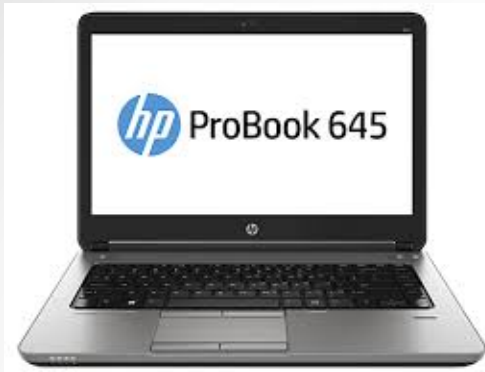
Plan of Action (Cont.)

- Lab with IMacs will remain at WeBo.
- Current computer labs will be converted to collaborative learning spaces.
- Create help desk in the Media Center to assist with trouble shooting, etc.



Infrastructure Upgrades

- Adding 20 wireless access points to WBHS bringing total to 81 APs including one in every classroom
- Upgrading Internet bandwidth from 45 Mbps to 400 Mbps
- Expanding fiber optics connectivity from WBHS to elementary schools with plans to connect Administration Building in the spring of 2015
- Implementing MS Office 365 giving students access to MS products and OneDrive for cloud-based storage



Devices



- HP ProBook 645
- 14" Screen
- 8 GB Ram
- Webcam
- 320 GB Hard Drive
- 3 year warranty including battery replacement
- Milspec Compliant – dust, vibration, drop, shock, temperature, and humidity
- 10.5 hour battery life
-

- Lenovo
- 12" Screen
- 4 GB Ram
- Webcam
- 500 GB Hard Drive
- 3 year warranty including battery replacement
- 8.5 hour battery life



Financing 1:1 Initiative

- Lenovos will be in year 2 of a 4 year lease program.
- HP Probook 645 will be purchased for a total of \$283,800.00 (600 machines x \$473). Initial cost will be paid for using the Common School Loan (Debt Services).
- Fee of \$25 will be charged each semester for Lenovo and HP machines.



Adoption of Textbooks

- Beginning with 2014-15, departments will no longer adopt textbooks for individual students to rent in classes that are not dual credit or AP. Classroom sets will be available and on-line access to textbooks will be explored.
- When available, class specific web-based programs may be utilized.
- For dual credit and/or AP classes, students may still be required to rent and/or buy books.
- Course fees may still be required for classes. (Ex: Ceramics, Nutrition and Wellness)



Expectations

- Improve digital citizenship.
- Equip students with a laptop that can be utilized in all content areas.
- Provide professional development to help staff become more familiar with the laptops and appropriate applications.
- Evolve Instruction over time to incorporate the use of technology.



Examples of Student Fees – Student 1

Student Fees					
Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
\$0.00	\$0.00	\$0.00	\$6.00	\$0.00	\$6.00

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
2522 Algebra II	1	1	\$10.93	\$0.00	\$0.95	\$11.88
1542 US History	2	1	\$10.21	\$0.00	\$0.00	\$10.21
4040ADV1 Ceramics V	3	1	\$2.00	\$0.00	\$27.00	\$29.00
2124 Spanish III	4	1	\$0.00	\$0.00	\$0.00	\$0.00
3064 Chemistry 1	5	1	\$11.55	\$0.00	\$1.30	\$12.85
1006 English 11	6	1	\$12.37	\$0.00	\$0.00	\$12.37
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00
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Subtotal			\$47.06	\$0.00	\$40.25	\$87.31
Term 2						
2522 Algebra II	1	1	\$10.93	\$0.00	\$0.95	\$11.88
1542 US History	2	1	\$10.21	\$0.00	\$0.00	\$10.21
4040ADV2 Ceramics VI	3	1	\$2.00	\$0.00	\$27.00	\$29.00
2124 Spanish III	4	1	\$0.00	\$0.00	\$0.00	\$0.00
3064 Chemistry 1	5	1	\$11.55	\$0.00	\$1.30	\$12.85
1006 English 11	6	1	\$12.37	\$0.00	\$0.00	\$12.37
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
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Subtotal			\$47.06	\$0.00	\$29.25	\$76.31
Total			\$94.12	\$0.00	\$69.50	\$169.62



Examples of Student Fees – Student 1

Student Fees	Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
	\$0.00	\$0.00	\$0.00	\$6.00 \$3.50	\$0.00	\$6.00 \$3.50

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
2522 Algebra II	1	1	\$10.93 \$0.00	\$0.00	\$0.95	\$11.88 \$0.95
1542 US History	2	1	\$10.21 \$5.00	\$0.00	\$0.00	\$10.21 \$5.00
4040ADV1 Ceramics V	3	1	\$2.00 \$0.00	\$0.00	\$27.00	\$29.00 \$27.00
2124 Spanish III	4	1	\$0.00	\$0.00	\$0.00	\$0.00
3064 Chemistry 1	5	1	\$11.55	\$0.00	\$1.30	\$12.85
1006 English 11	6	1	\$12.37 \$0.00	\$0.00	\$0.00	\$12.37 \$0.00
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00 \$0.00
Subtotal			\$47.06 \$16.55	\$0.00	\$40.25 \$29.25	\$87.31 \$45.80

Term 2						
2522 Algebra II	1	1	\$10.93 \$0.00	\$0.00	\$0.95	\$11.88 \$0.95
1542 US History	2	1	\$10.21 \$5.00	\$0.00	\$0.00	\$10.21 \$5.00
4040ADV2 Ceramics VI	3	1	\$2.00 \$0.00	\$0.00	\$27.00	\$29.00 \$27.00
2124 Spanish III	4	1	\$0.00	\$0.00	\$0.00	\$0.00
3064 Chemistry 1	5	1	\$11.55	\$0.00	\$1.30	\$12.85
1006 English 11	6	1	\$12.37 \$0.00	\$0.00	\$0.00	\$12.37 \$0.00
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
Subtotal			\$47.06 \$16.55	\$0.00	\$20.25 \$29.25	\$76.31 \$45.80

Total			\$84.12 \$33.10	\$0.00	\$69.50 \$58.50	\$160.62 \$95.10
MathXL Program						\$15.00
HP Probook 645						\$50.00
						_____ \$160.10



Examples of Student Fees – Student 2

Student Fees					
Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
\$0.00	\$0.00	\$0.00	\$6.00	\$0.00	\$6.00

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
3020 AP Biology	1	1	\$17.18	\$7.49	\$13.20	\$37.87
1535 Student Assistant	2	0	\$0.00	\$0.00	\$0.00	\$0.00
1542 US History	3	1	\$10.21	\$0.00	\$0.00	\$10.21
2564H PreCalc/Trig Honors	4	1	\$15.26	\$0.00	\$0.95	\$16.21
4040BEG1 Ceramics I	5	1	\$2.00	\$0.00	\$27.00	\$29.00
1058 AP Eng Lit & Comp	6	1	\$0.00	\$0.00	\$50.15	\$50.15
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00
Subtotal			\$44.65	\$7.49	\$102.30	\$154.44
Term 2						
3020 AP Biology	1	1	\$17.18	\$7.49	\$13.20	\$37.87
1535 Student Assistant	2	0	\$0.00	\$0.00	\$0.00	\$0.00
1542 US History	3	1	\$10.21	\$0.00	\$0.00	\$10.21
2564H PreCalc/Trig Honors	4	1	\$15.26	\$0.00	\$0.95	\$16.21
4040BEG2 Ceramics II	5	1	\$2.00	\$0.00	\$27.00	\$29.00
1058 AP Eng Lit & Comp	6	1	\$0.00	\$0.00	\$50.15	\$50.15
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
Subtotal			\$44.65	\$7.49	\$91.30	\$143.44
Total			\$89.30	\$14.98	\$193.60	\$303.88



Examples of Student Fees – Student 2

Student Fees	Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
	\$0.00	\$0.00	\$0.00	\$6.00 \$3.50	\$0.00	\$6.00 \$3.50

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
3020 AP Biology	1	1	\$17.18	\$7.49	\$13.20	\$37.87 \$37.87
1535 Student Assistant	2	0	\$0.00	\$0.00	\$0.00	\$0.00
1542 US History	3	1	\$10.21 \$5.00	\$0.00	\$0.00	\$10.21 \$5.00
2564H PreCalc/Trig Honors	4	1	\$15.26	\$0.00	\$0.95	\$16.21 \$0.95
4040BEG1 Ceramics I	5	1	\$2.00	\$0.00	\$27.00	\$29.00 \$27.00
1058 AP Eng Lit & Comp	6	1	\$0.00	\$0.00	\$50.15	\$50.15 \$50.15
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00 \$0.00
Subtotal			\$44.65	\$7.49	\$102.30	\$154.44 \$120.97
			\$22.18		\$91.30	
Term 2						
3020 AP Biology	1	1	\$17.18	\$7.49	\$13.20	\$37.87 \$37.87
1535 Student Assistant	2	0	\$0.00	\$0.00	\$0.00	\$0.00
1542 US History	3	1	\$10.21 \$5.00	\$0.00	\$0.00	\$10.21 \$5.00
2564H PreCalc/Trig Honors	4	1	\$15.26	\$0.00	\$0.95	\$16.21 \$0.95
4040BEG2 Ceramics II	5	1	\$2.00	\$0.00	\$27.00	\$29.00 \$27.00
1058 AP Eng Lit & Comp	6	1	\$0.00	\$0.00	\$50.15	\$50.15 \$50.15
3560AWT Advanced Weight Training	7	1	\$0.00	\$0.00	\$0.00	\$0.00
Subtotal			\$44.65	\$7.49	\$91.30	\$143.44 \$120.97
			\$22.18			
Total			\$89.30	\$14.98	\$193.60	\$303.88
MathXL Program			\$44.36		\$182.60	\$245.44
HP Probook 645						\$15.00
						\$50.00
						<u>\$310.44</u>



Examples of Student Fees – Student 3

Student Fees					
Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
\$0.00	\$0.00	\$0.00	\$6.00	\$0.00	\$6.00

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
1008 English 12	1	1	\$11.20	\$0.00	\$1.74	\$12.94
1540 US Government	2	1	\$9.25	\$0.00	\$0.00	\$9.25
3560AWT Advanced Weight Training	3	1	\$0.00	\$0.00	\$0.00	\$0.00
1380 Study Hall	4	0	\$0.00	\$0.00	\$0.00	\$0.00
4040BEG1 Ceramics I	5	1	\$2.00	\$0.00	\$27.00	\$29.00
5002 Agribusiness Mngt	6	1	\$0.00	\$0.00	\$3.50	\$3.50
2564 PreCalc/Trig	7	1	\$15.26	\$0.00	\$0.95	\$16.21
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00
Subtotal			\$37.71	\$0.00	\$44.19	\$81.90
Term 2						
1008 English 12	1	1	\$11.20	\$0.00	\$1.74	\$12.94
1514 Economics	2	1	\$9.31	\$0.00	\$0.00	\$9.31
3560AWT Advanced Weight Training	3	1	\$0.00	\$0.00	\$0.00	\$0.00
1380 Study Hall	4	0	\$0.00	\$0.00	\$0.00	\$0.00
4040BEG2 Ceramics II	5	1	\$2.00	\$0.00	\$27.00	\$29.00
5002 Agribusiness Mngt	6	1	\$0.00	\$0.00	\$3.50	\$3.50
2564 PreCalc/Trig	7	1	\$15.26	\$0.00	\$0.95	\$16.21
Subtotal			\$37.77	\$0.00	\$33.19	\$70.96
Total			\$75.48	\$0.00	\$77.38	\$158.86



Examples of Student Fees – Student 3

Student Fees	Locker Rental	Materials	Technology	Planner	Curricular Materials	Total
	\$0.00	\$0.00	\$0.00	\$6.00 \$3.50	\$0.00	\$6.00 \$3.50

Class	Period	Credits	Books	Consum	Fees	Total
Term 1						
1008 English 12	1	1	\$11.20	\$0.00	\$1.74	\$12.94 \$1.74
1540 US Government	2	1	\$9.25 \$5.00	\$0.00	\$0.00	\$9.25 \$5.00
3560AWT Advanced Weight Training	3	1	\$0.00	\$0.00	\$0.00	\$0.00
1380 Study Hall	4	0	\$0.00	\$0.00	\$0.00	\$0.00
4040BEG1 Ceramics I	5	1	\$2.00	\$0.00	\$27.00	\$29.00 \$27.00
5002 Agribusiness Mngt	6	1	\$0.00	\$0.00	\$3.50	\$3.50 \$3.50
2564 PreCalc/Trig	7	1	\$15.26	\$0.00	\$0.95	\$16.21 \$0.95
10 PE Uniform	ex	0	\$0.00	\$0.00	\$11.00	\$11.00 \$11.00
Subtotal			\$37.71 \$5.00	\$0.00	\$44.19	\$61.90 \$49.19

Term 2						
1008 English 12	1	1	\$11.20	\$0.00	\$1.74	\$12.94 \$1.74
1514 Economics	2	1	\$9.21 \$5.00	\$0.00	\$0.00	\$9.21 \$5.00
3560AWT Advanced Weight Training	3	1	\$0.00	\$0.00	\$0.00	\$0.00
1380 Study Hall	4	0	\$0.00	\$0.00	\$0.00	\$0.00
4040BEG2 Ceramics II	5	1	\$2.00	\$0.00	\$27.00	\$29.00 \$27.00
5002 Agribusiness Mngt	6	1	\$0.00	\$0.00	\$3.50	\$3.50 \$3.50
2564 PreCalc/Trig	7	1	\$15.26	\$0.00	\$0.95	\$16.21 \$0.95
Subtotal			\$37.77 \$5.00	\$0.00	\$33.19	\$70.96 \$38.19

Total			\$75.48 \$10.00	\$0.00	\$77.38	\$158.86 \$90.88
MathXL Program						\$15.00
HP Probook 645						\$50.00
						<u>\$155.88</u>



“I constantly hear how today’s students need a 21st – century education. My thought? We are 12 years into the 21st century. Perhaps it’s time to stop talking about it and do what’s right. I am glad that our district had the courage and insight to understand that while it wouldn’t be easy to implement such change, it was the right thing to do for us.”

Mooreville (N.C.) High School Student
Every Child, Every Day (Edwards, 2014)