

Montana Common Core Cost Estimate Update

Survey as of 5/4/2012

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Issues

1. Definition of Substantial Cost
2. Methodology

Substantial Cost

20-7-101. Standards of accreditation.

- (1) Standards of accreditation for all schools must be adopted by the board of public education upon the recommendations of the superintendent of public instruction.
- (2) Prior to adoption or amendment of any accreditation standard, the board shall submit each proposal to the education and local government interim committee for review. The interim committee shall request a fiscal analysis to be prepared by the legislative fiscal division. The legislative fiscal division shall provide its analysis to the interim committee and to the office of budget and program planning to be used in the preparation of the executive budget.
- (3) If the fiscal analysis of the proposal is found by the legislative fiscal division to have a substantial fiscal impact, the board may not implement the standard until July 1 following the next regular legislative session and shall request that the same legislature fund implementation of the proposed standard. **A substantial fiscal impact is an amount that cannot be readily absorbed in the budget of an existing school district program.**
- (4) Standards for the retention of school records must be as provided in 20-1-212.

Substantial Impact

27-7-101

Offers no definition other than:

“Cannot be readily absorbed”

A request was made of LEG services to search precedent for a definition. None was found.

LFD's Definition

If the implementation costs are less than 1% of the general fund budget for the district the LFD estimates the school district can readily absorb the costs within the school district budget.

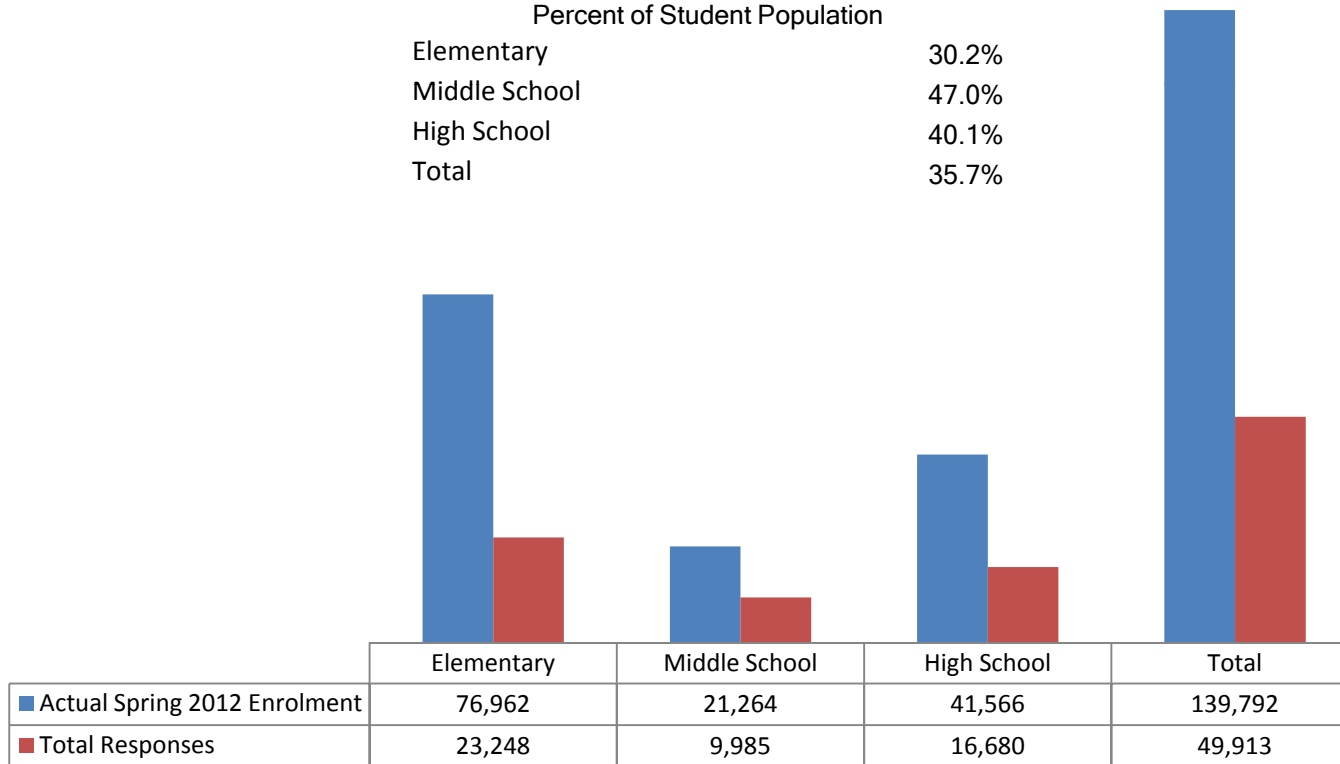
If implementation costs are between 1 and 2% of the general fund budget and more than 10% of the overall reserves or if the implementation cost is more than 2% of the general fund budget and more than 5% of the reserves, the LFD estimates that the school district cannot readily absorb the costs within its budget.

Response To Survey

Survey Response

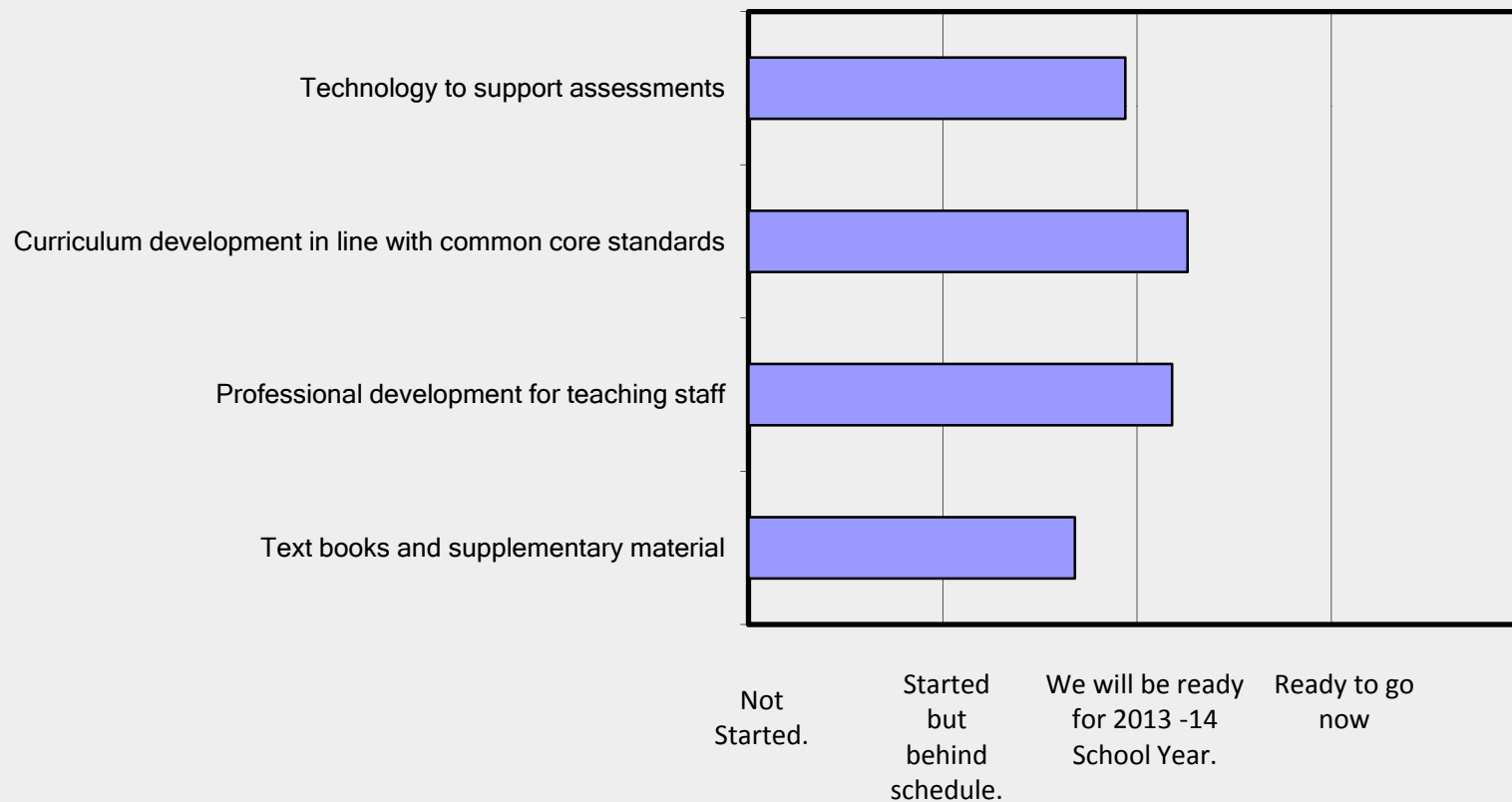
Percent of Student Population

Elementary	30.2%
Middle School	47.0%
High School	40.1%
Total	35.7%



Common Core Preparation

What is your current level of preparation for the new Common Core Standards?

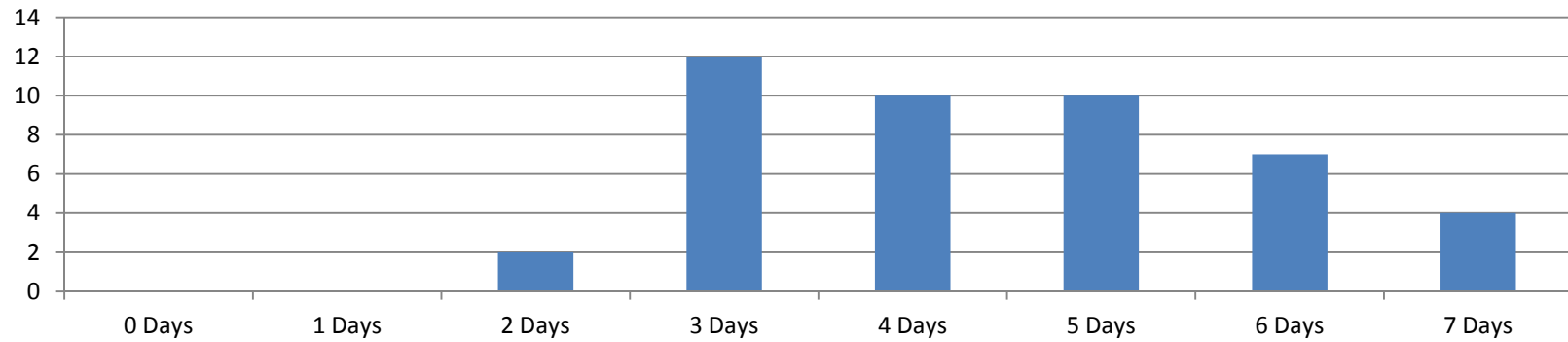


Estimates

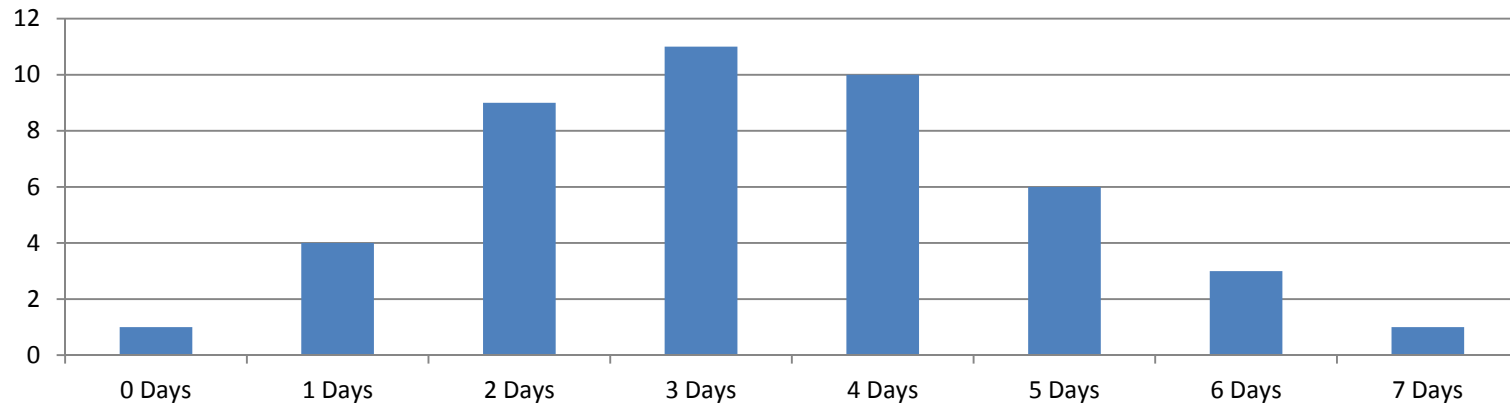
- Professional Development
- Curriculum Development
- Textbooks
- New Math Instructors
- Assessment Costs

PIR days for Common Core

Of the seven P.I.R. days currently approved for teachers, how many P.I.R. days do the teachers in your district use for professional development?



Number of PIR days dedicated to Common Core



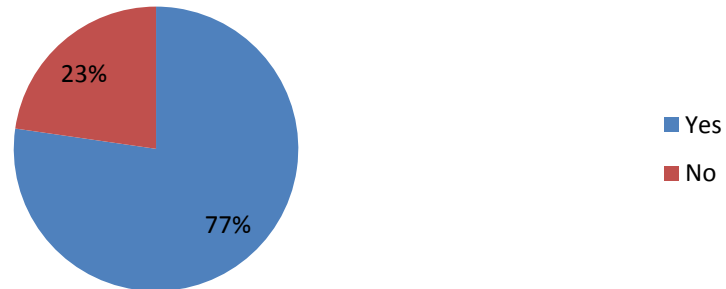
Professional Development

Montana Common Core Standards Professional Development (Figure 2)				
School Level	FTE	Hours	Substitute Daily Rate	Substitute Costs
Elementary	3806.5	24	\$ 75	\$ 857,148
Middle School	536.7	8	\$ 75	\$ 40,285
High School	663	8	\$ 75	\$ 49,765
Total Professional Development	5006.2			\$ 947,197

No change from the original estimate.

Travel cost related to curriculum development

Do you anticipate travel costs for teachers receiving professional development on common core?



Average Miles	254
Rate per Mile	\$0.53
Total Mileage per Teacher	134.20
Lodging and Meals per Day	\$78.00
Average Number of Days	2.94

Montana Common core Curriculum Development Original Estimate (figure 3)

Teachers	Teachers	Curriculum Committee Members	Hours	Cost per Hour	Total
English					
Elementary Educators by district					
(< or = to 2)	114	1	16	21.6	39,398
(> 2 < or = 25)	338	5	16	21.6	584,064
(>25)	3	10	16	21.6	10,368
Total	455				633,830
English Educators by District					
(< or = to 2)	376	1	16	21.6	129,946
(> 2 < or = 25)	87	5	16	21.6	150,336
(> 25)	0	10	16	21.6	-
Total	463				280,282
Total for English Curriculum Development					914,112
Mathematics					
Elementary Educators by district					
(< or = to 2)	114	1	16	21.6	39,398
(> 2 < or = 25)	338	5	16	21.6	584,064
(>25)	3	10	16	21.6	10,368
Total	455				633,830
Math Educators by District					
(< or = to 2)	371	1	16	21.6	128,218
(> 2 < or = 25)	69	5	16	21.6	119,232
(> 25)	0	10	16	21.6	-
Total	440				247,450
Total for Math Curriculum Development					881,280
Total Curriculum Cost					1,795,392
Less Mathematics already included in school district budgets					(881,280)
Estimated Curriculum Development for Implementing Common core					914,112

Curriculum Development with Travel Costs (figure 3)

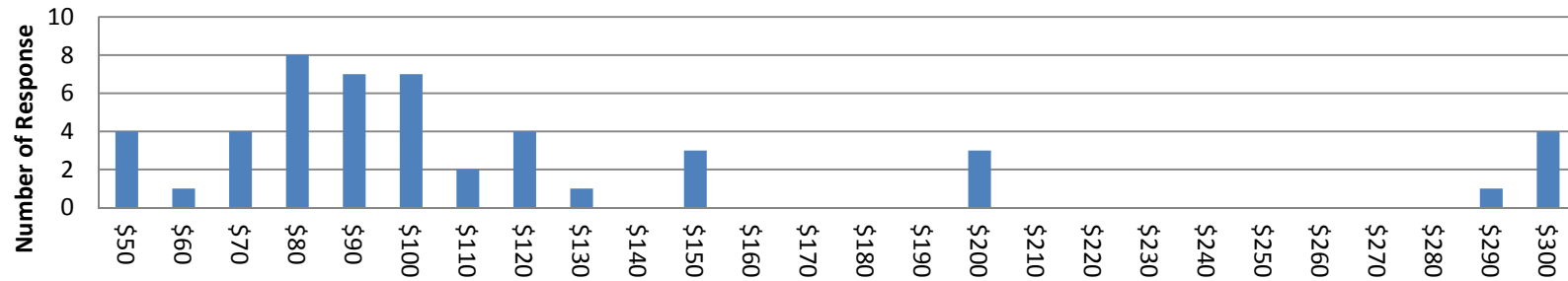
Montana Common core Curriculum Development					
Teachers	Teachers	Curriculum Committee Members	Hours	Cost per Hour	Total
English					
Elementary Educators by district					
(< or = to 2)	114	1	16	21.12	38,523
(> 2 < or = 25)	338	5	16	21.12	571,085
(>25)	3	10	16	21.12	10,138
Total	455				619,745
English Educators by District					
(< or = to 2)	376	1	16	21.12	127,058
(> 2 < or = 25)	87	5	16	21.12	146,995
(> 25)	0	10	16	21.12	-
Total	463				274,053
Total for English Curriculum Development					893,798
Mathematics					
Elementary Educators by district					
(< or = to 2)	114	1	16	21.12	38,523
(> 2 < or = 25)	338	5	16	21.12	571,085
(>25)	3	10	16	21.12	10,138
Total	455				619,745
Math Educators by District					
(< or = to 2)	371	1	16	21.12	125,368
(> 2 < or = 25)	69	5	16	21.12	116,582
(> 25)	0	10	16	21.12	-
Total	440				241,951
Total for Math Curriculum Development					861,696
Total Curriculum Cost					1,755,494
Less Mathematics already included in school district budgets					(861,696)
Estimated Curriculum Development for Implementing Common core					893,798

Travel Cost	
Average Miles	254
Rate per Mile	\$ 0.53
Total Mileage per Teacher	\$ 134.20
Lodging and Meals	\$ 78.00
Number of Days	2.94
Total Cost Per Instructor	\$ 364
Percentage of Teachers needing Travel	77%
Teachers Requiring Travel	1396
Total Travel Cost Math	250,675
Total Travel Cost English	250,675
Total Incremental Travel Cost	250,675
Estimated Curriculum Development for Implementing Common core	\$ 1,144,474

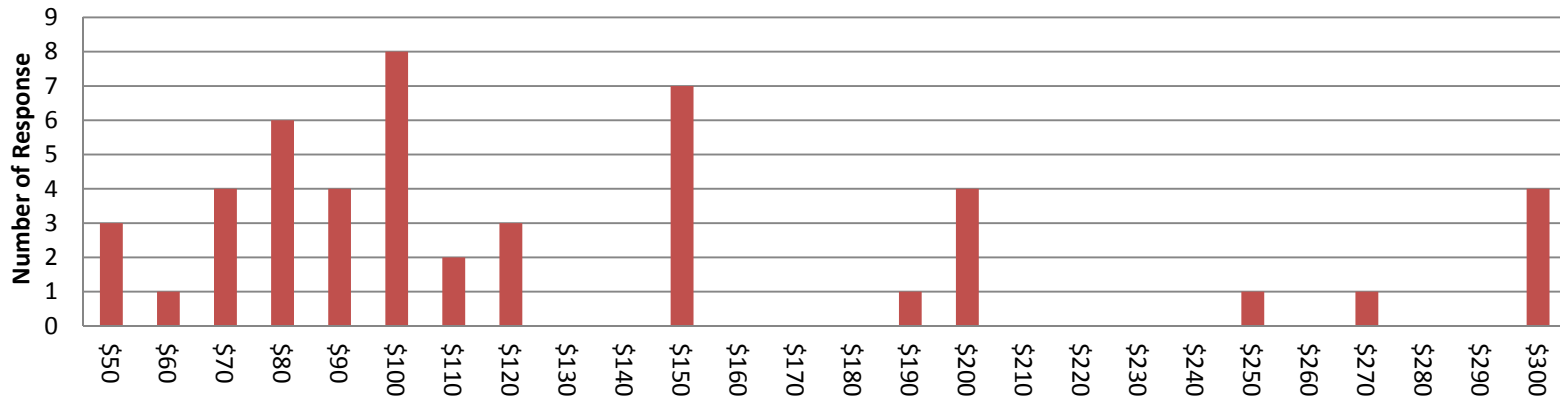
Textbooks

Average Text Book Cost	Average	Median	Mode
Mathematics	\$ 120	\$ 100	\$ 80
English Language Arts	\$ 132	\$ 100	\$ 100

Math Text Estimates

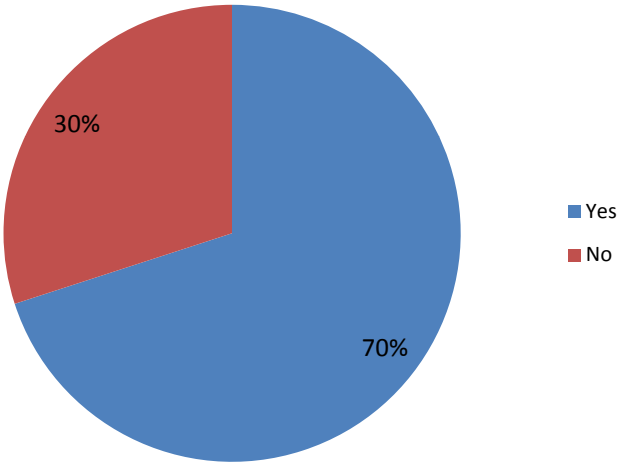


ELA Text Estimates

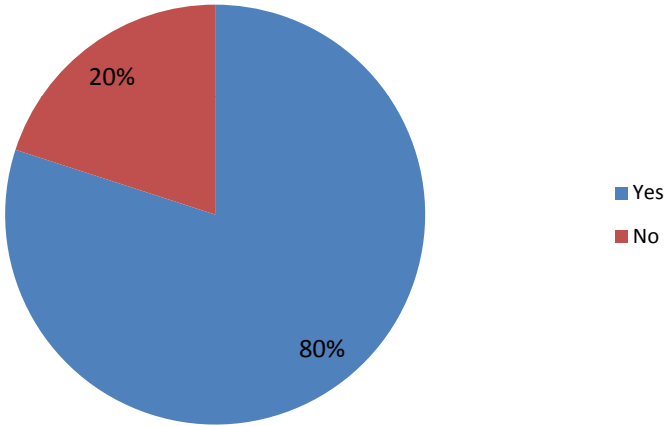


As a result of the adoption of the Common Core Standards are you planning on purchasing new textbooks for mathematics and or English language arts?

Purchase New Math Text.



Purchase New English Language Arts Text.



Montana Common core Standards Textbook Estimated Cost							
Grade Level	Enrollment	Textbook	Mathematics	Textbook	English	Total	
Elementary	76,621	\$ 83	\$ 6,359,543	47 \$	3,601,187	\$	9,960,730
Middle School	21,611	\$ 96	\$ 2,074,656	56 \$	1,210,216	\$	3,284,872
High							
Grade 9 - 11	32,402	\$ 125	\$ 4,050,250				
Grade 9 - 12	42,586			70 \$	2,981,020	\$	2,981,020
Total	140,818		\$ 12,484,449		\$ 7,792,423	\$	20,276,872
Less Average Budgeted Expenditures for 2 years						\$	(18,024,704)
Textbook Estimated Cost over 2 years						\$	2,252,168
Additional Resources (Expected Cost FY13)							1,126,084

Montana Common core Standards Textbook Estimated Cost							
Grade Level	Enrollment	Textbook	Mathematics	Textbook	English	Total	
Elementary	76,621	\$ 85	\$ 6,512,785	60 \$	4,597,260	\$	11,110,045
Middle School	21,611	\$ 100	\$ 2,161,100	75 \$	1,620,825	\$	3,781,925
High							
Grade 9 - 11	32,402	\$ 125	\$ 4,050,250				
Grade 9 - 12	42,586			100 \$	4,258,600	\$	4,258,600
Total	140,818		\$ 12,724,135		\$ 10,476,685	\$	23,200,820
Less Average Budgeted Expenditures for 2 years						\$	(18,024,704)
Textbook Estimated Cost over 2 years						\$	5,176,116
Schools Requiring New Textbooks					75% \$		3,882,087
Additional Resources (Expected Cost FY13)							1,941,044

New Mathematics Instructors.

Montana Common Core Estimated New Mathematics Teachers (figure 5)		
Additional FTE	Average Salary/Benefits	District Cost
38	\$ 61,143	\$ 2,323,434

Montana Common Core Estimated New Mathematics Teachers (figure 5)		
Additional FTE	Average Salary/Benefits	District Cost
38	\$ 44,850	\$ 1,704,300

Assessment Requirements

Montana Common Core Estimated Costs for Computer Purchases (figure 6)			
Number of Computers	Price Per Computer	Total Estimated Cost	Additional Resources
945	\$ 940	\$ 888,300	\$ 444,150
Assessment	\$523,355		
Total	\$ 967,505		

Survey (May 2012) Results for Student to Computer Ratio			
	Computers	Students	Current Students per Computer
Elementary	149.7	553.5	3.7
Middle	107.2	302.6	2.8
High School	155.3	521.3	3.4
Total Weighted	138.3	466.5	3.4

Conclusion

Montana Common Core Annual Cost Estimates Summary (figure 1)

Estimate Jan 2012

Montana Common Core Standards Annual Cost Estimates to Implement			
Cost Component	Total Estimated Cost	One - Time - Only	Ongoing Cost
Professional Development	947,197	947,197	
Curriculum Development	914,112	914,112	
Textbooks and Supplemental Materials	1,126,084	1,126,084	
Mathematics Teachers	2,323,434		2,323,434
Assessment and Computer Laboratories	967,505	444,150	523,355
Total Estimated Cost	6,278,332	3,431,543	2,846,789

Estimate May 2012

Montana Common Core Standards Annual Cost Estimates to Implement			
Cost Component	Total Estimated Cost	One - Time - Only	Ongoing Cost
Professional Development	947,197	947,197	
Curriculum Development	1,144,474	1,144,474	
Textbooks and Supplemental Materials	1,941,044	1,941,044	
Mathematics Teachers	1,704,300		1,704,300
Assessment and Computer Laboratories	967,505	444,150	523,355
Total Estimated Cost	6,704,519	4,476,864	2,227,655

Change

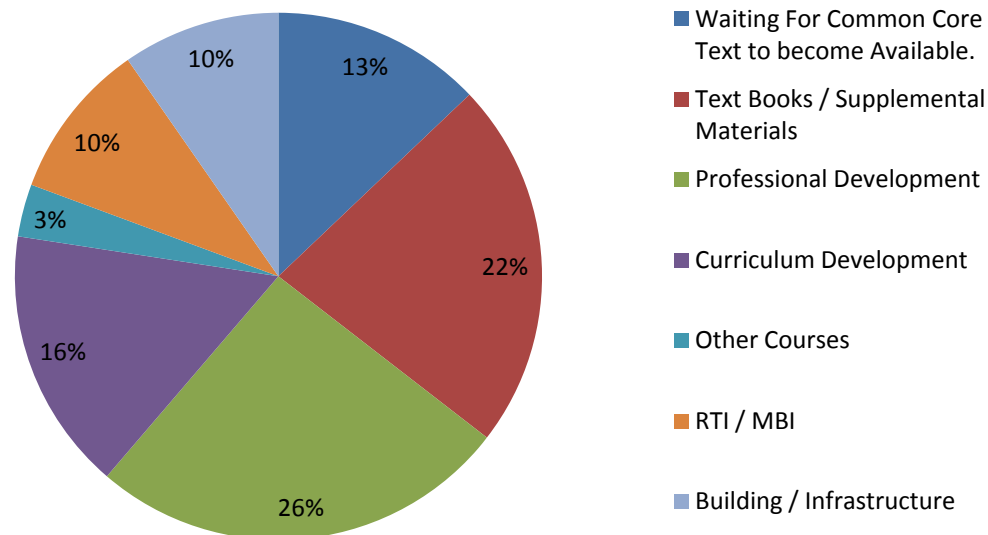
Change in Montana Common Core Standards Annual Cost Estimates to Implement as a result of survey conducted 5/15/2012			
Cost Component	Total Estimated Cost	One - Time - Only	Ongoing Cost
Professional Development	-	-	-
Curriculum Development	230,362	230,362	-
Textbooks and Supplemental Materials	814,960	814,960	-
Mathematics Teachers	(619,134)	-	(619,134)
Assessment and Computer Laboratories	-	-	-
Total Estimated Cost	426,187	1,045,321	(619,134)

Background Slides

Impact on other resources

Common Core Standards may require school districts to utilize a number of resources in the next few years. Is your district anticipating postponing or eliminating other educational initiatives over the next three years in order to implement common core? If so, please provide a description of the initiatives and potential costs.

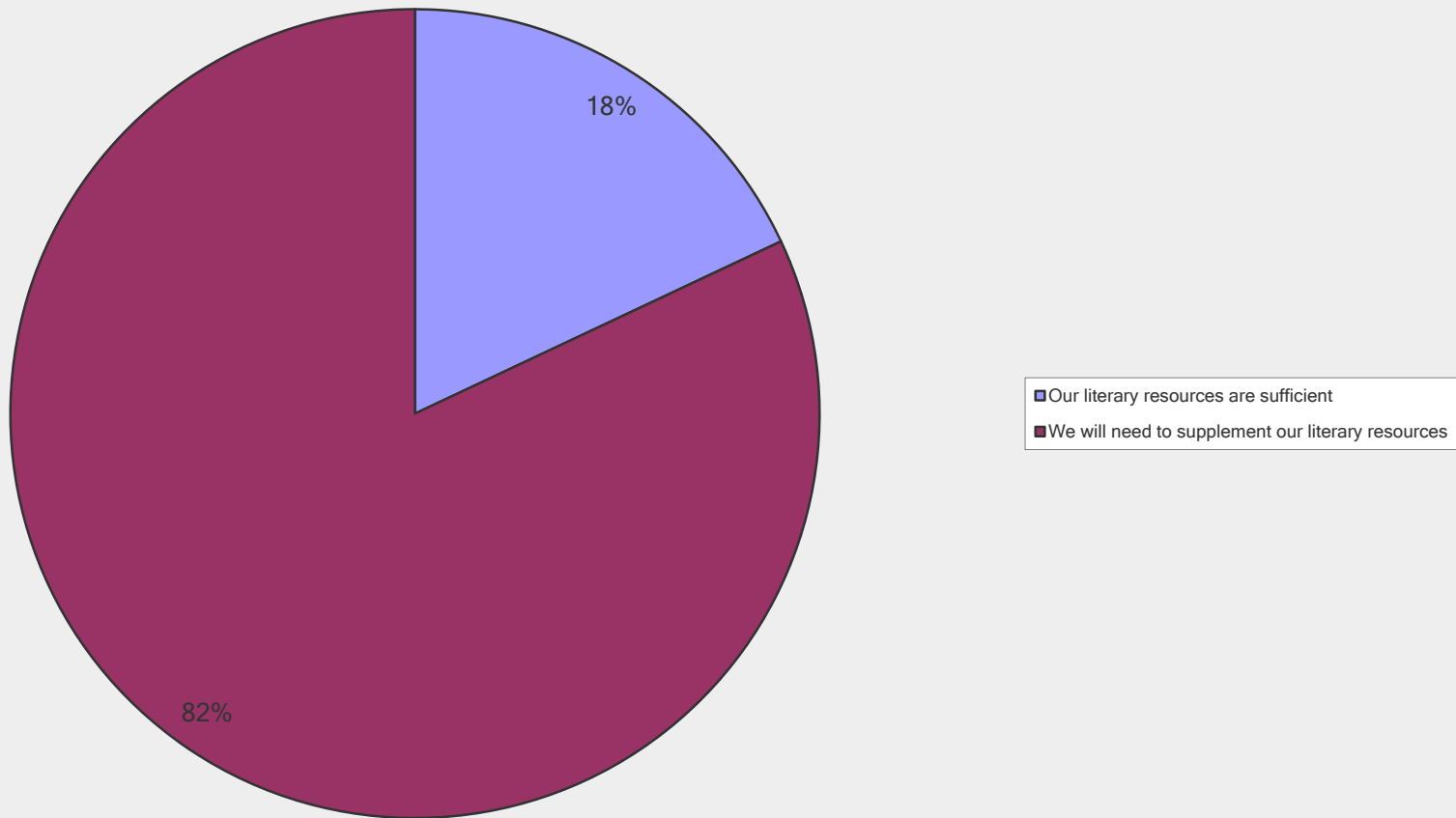
Most Common Response



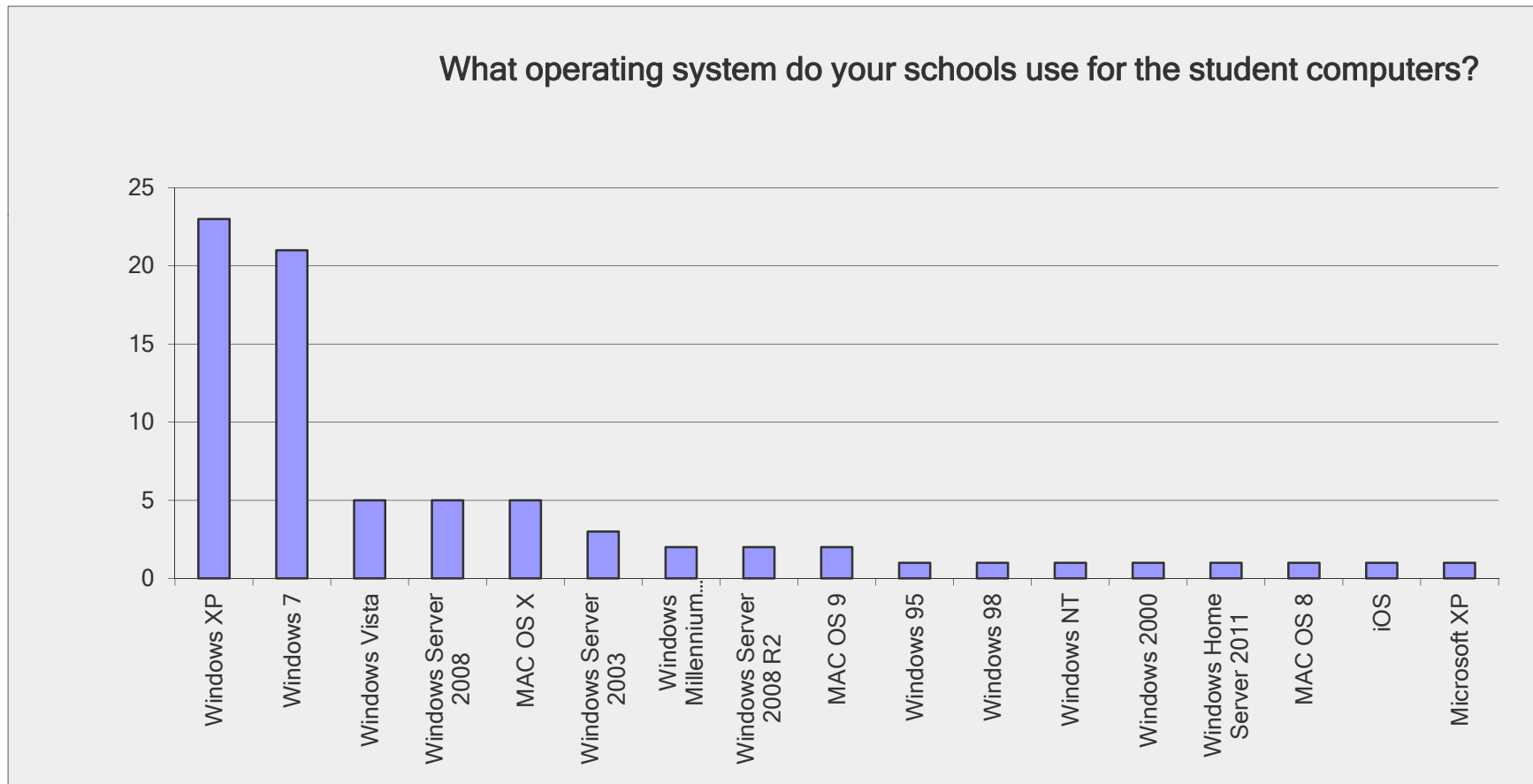
If the voters did not approve a mill levy, what actions did the district use to offset the requested funding?

	Reduction of Staff	Text Books	Use Reserves	Reduce Operating Expenses	Reduce Class Offerings	Other Cuts
Mill levy election in 2011 failed in both the elementary and high school districts resulting in budget cuts in curriculum and reduction of staff in both districts. We are currently using excess reserves generated through collection of protested taxes to reach maximum budget. This is not a long term solution.	X				X	
Reduce the amount of class room para's and educational aides.	X		X			
Reduced staffing, increased class size, reduced maintenance of schools, pay to play. Billings has had difficulty passing mill levies. The outcome of the mill levy being voted on May 8 is unknown as of this date. In the past, the district has had to look at all resources and determine what is least important ---- keeping students in the forefront as we make decisions.	X			X		X
Eliminated para-professional positions and did not fill position of staff member who retired. GFPS worked with a community budget committee to make decisions on budgetary cuts. \$1.14 million dollars in cuts during the 2010-11 school year and \$2.4 million in cuts during the 2011-12 school year. In the past, following a failed mill levy, staff numbers were reduced through the RIF process. The impact of \$30,000 of increased expenses to my school district requires me to lay off 1 young teacher. The insinuation that the State would be telling school districts to go to the voters to pass a levy as a result of legislative required changes like the CCSS is unprecedented and wrong.	X					X
The District did not fill some vacancies or filled them with less expensive teachers. The District reduced some operating expenses. The District used some one-time-only funds to cover costs.	X			X		
Cut classes and did not hire teachers for those who retired.	X				X	
If a levy was to fail, we would have to consider less supplies for a year at least until staffing could be reduced.	X					
We made cuts to staffing to allow the district to continue moving forward,	X					
We eliminated 20 positions.	X					
We cut staff and are now facing not meeting accreditation.	X					
We have used up our one time only money. We cut over \$100,000 from our budget.			X			X
Cut Textbook Budget. Cut Para Educators.	X	X				

How do you anticipate addressing the standards for ensuring complexity of the texts for English language arts?

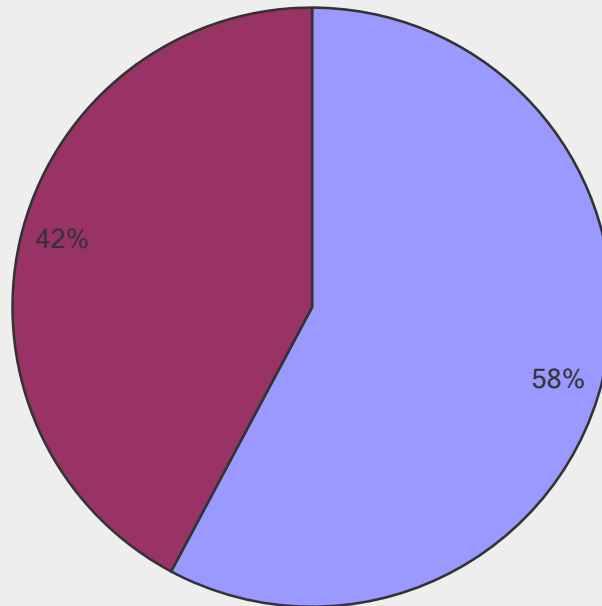


Current Operating Systems

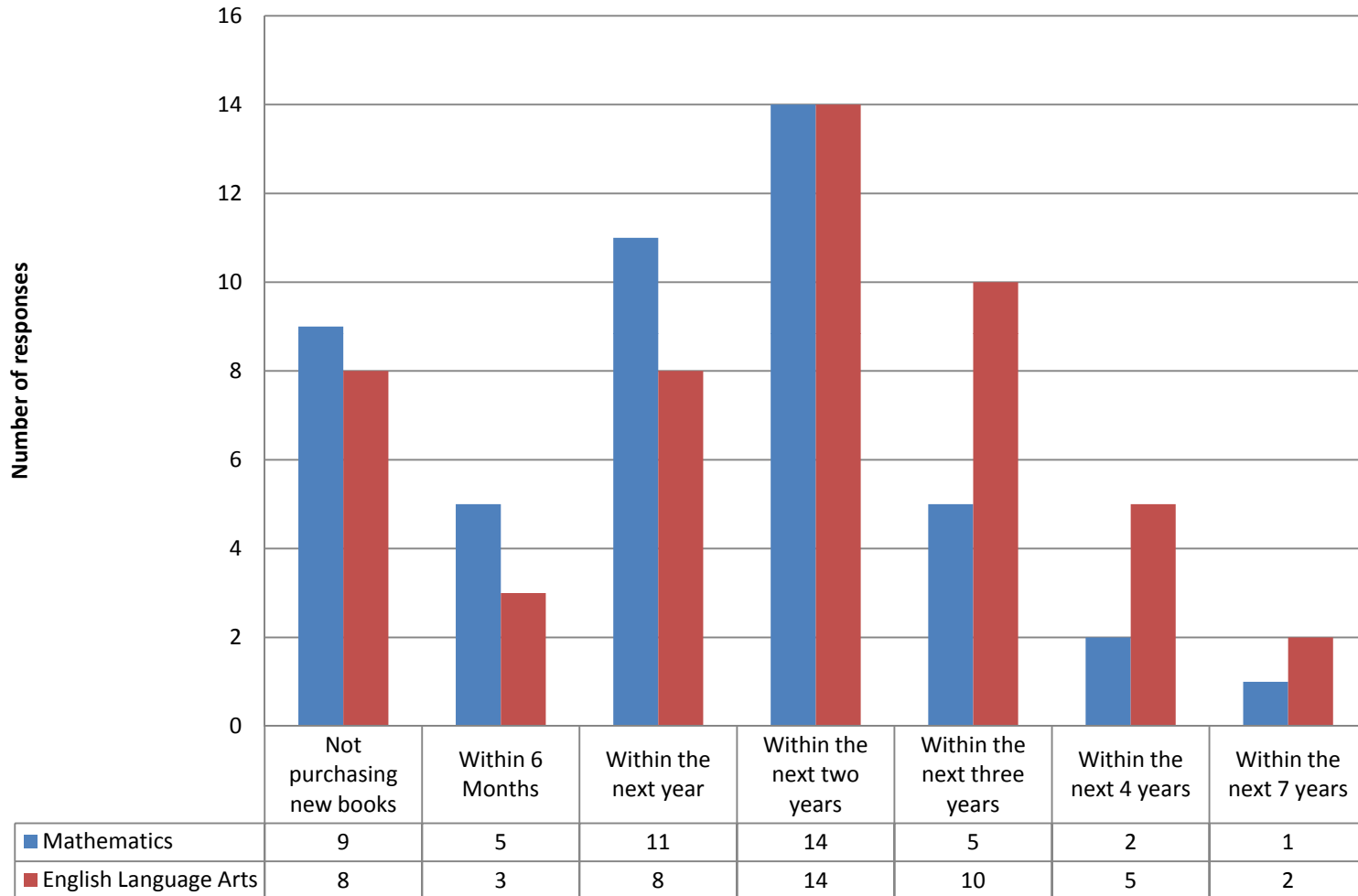


Bandwidth

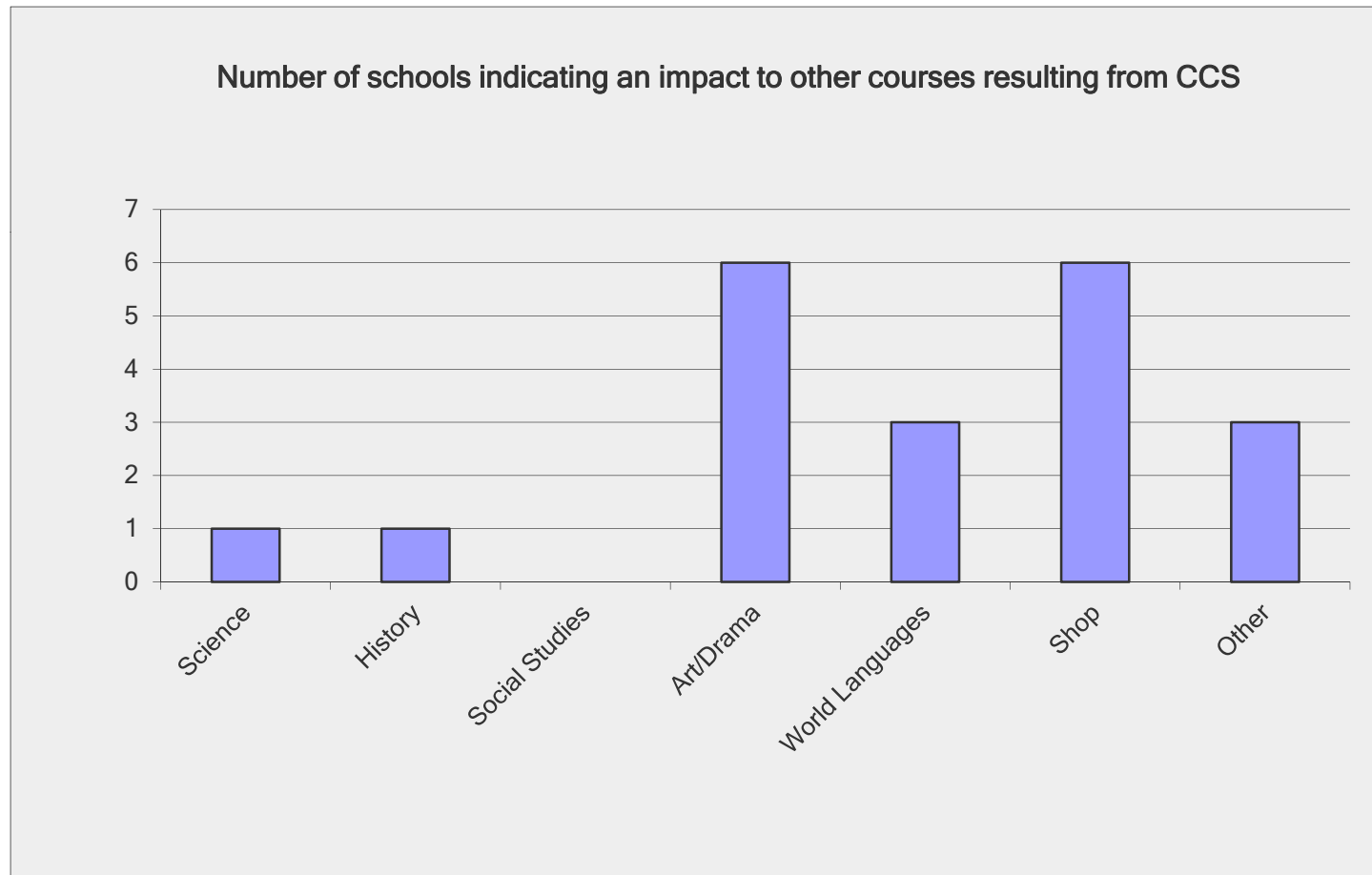
Will your district need to increase bandwidth to accommodate the SMARTER Balance Assessment?



As a result of the adoption of the Common Core Standards when are you planning on purchasing new textbooks for mathematics and or English language arts?



CCS Impact on other curriculum



Student to Computer Ratio

Student to Computer Ratio			
	Computers	Students	Current Students per Computer
Elementary	150	554	3.7
Middle	107	303	2.8
High School	155	521	3.4
Total Weighted	138	466	3.4

Requirement for third year of Math

