



1:1

- An initiative to propel
students in Cullman City
Schools into the 21st Century

1:1 Laptop Initiative

- The purpose of this initiative is to improve teaching and learning in Cullman City Schools by providing all students in Grades 7-12 with a laptop computer.



Background

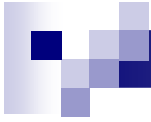
- Dr. Harris attended a conference in July, 2005 hosted by Dr. Mark Edwards, Dean of Education, at the University of North Alabama.
- Susan Patrick, the Director of Educational Technology at the U.S. Dept. of Education, spoke at the conference and asked these questions:
 - “How many of you go to a computer lab to do your work?”
 - “How many of you share your computer with four other people?”



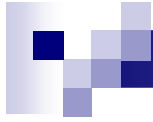
Dr. Mark Edwards



Susan Patrick



- In 2001, the students attending Henrico County Schools in Virginia would have raised their hands.
- Dr. Edwards, who was the superintendent at that time, changed the learning environment in the Henrico school system by initiating a program to give every student in grades 6-12 a laptop computer.



Did it make a difference
in Henrico County?



Henrico County, Virginia

- 63 Schools
- 46,075 Students
- 44% Minority Population
- High Density Urban, Suburban, Rural and Agricultural



Henrico County, Virginia 1:1

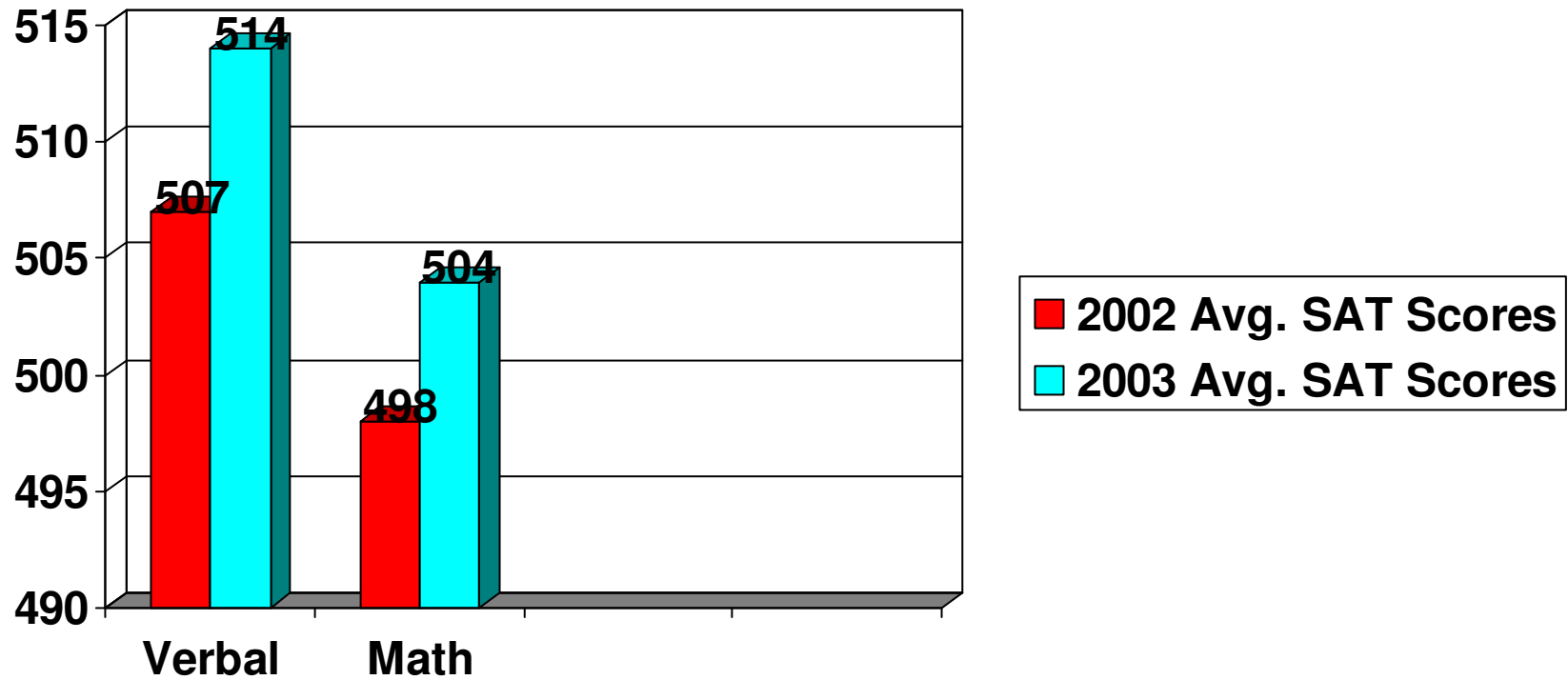
Virginia Standards of Learning			
	2001	2002	2003
Social Studies	74%	86%	91%
Math	84%	84%	90%
Science	85%	86%	90%
English	93%	90%	95%



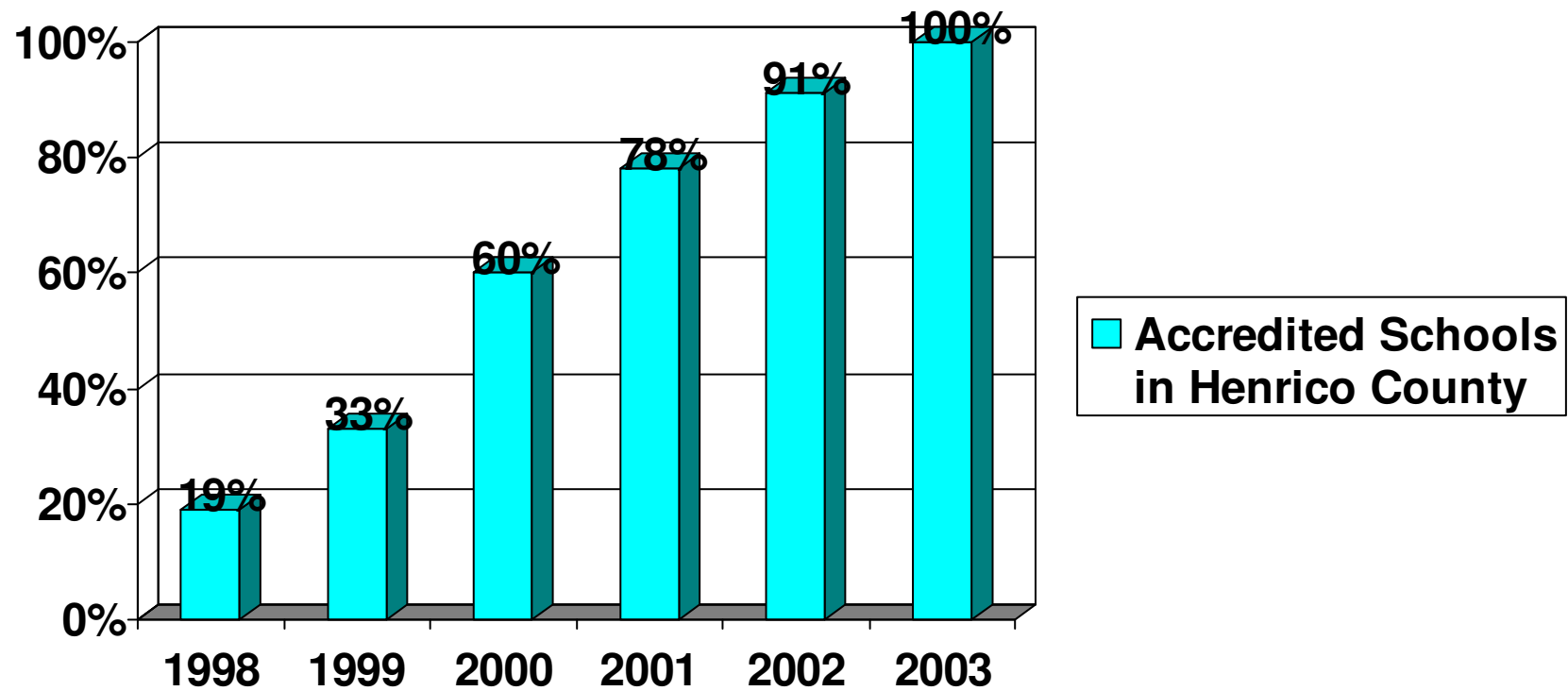
Henrico County, Virginia 1:1

Virginia Standards of Learning			
	2000/01	2001/02	2002/03
Reading	90%	95%	97%
Writing	90%	93%	93%
Algebra I	83%	88%	85%
Geometry	84%	84%	89%
Algebra II	86%	84%	93%
World History to 1000	84%	89%	87%
World History after 1000	77%	91%	97%
U.S. History	64%	84%	86%
Earth Science	80%	82%	84%
Biology	87%	89%	90%
Chemistry	88%	91%	96%
Average	83%	88%	90%

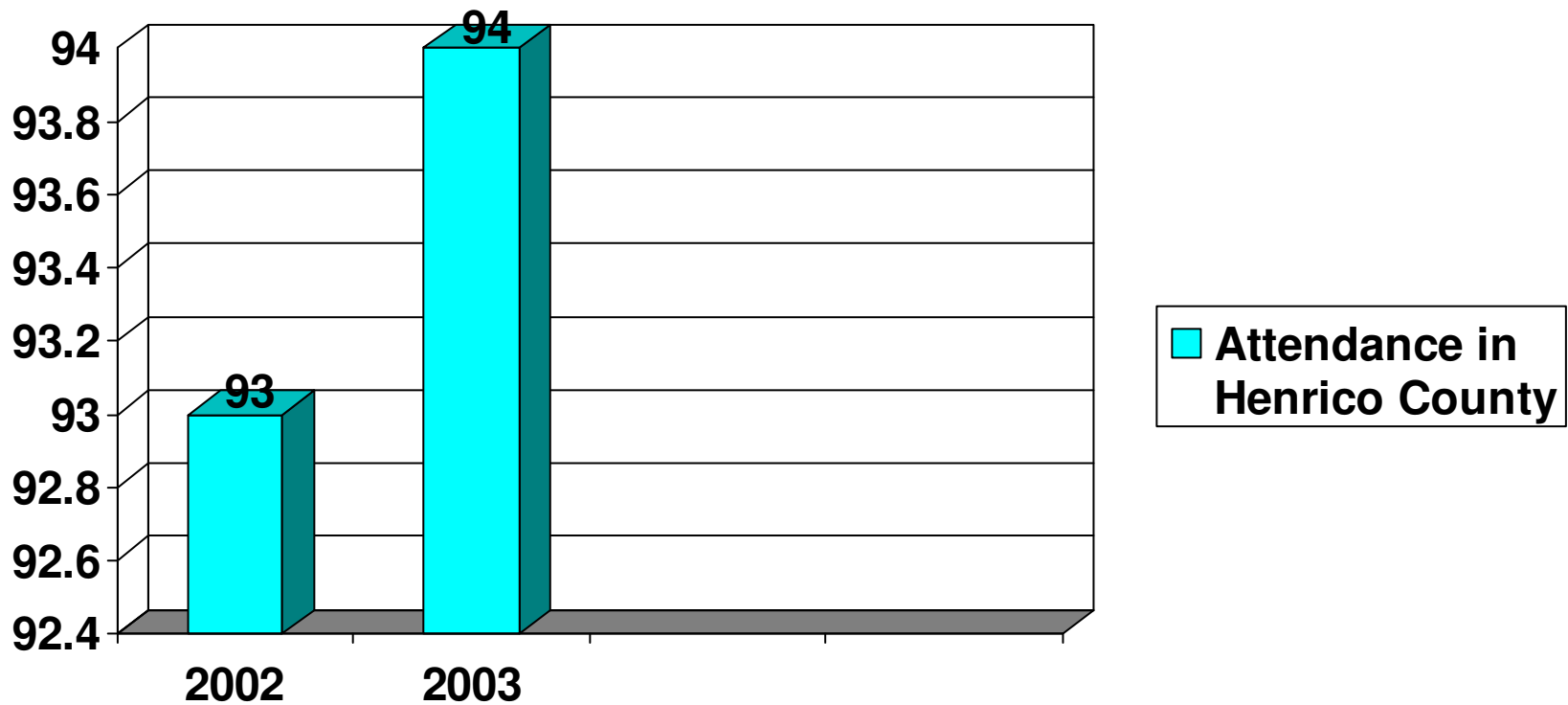
Henrico County, Virginia 1:1



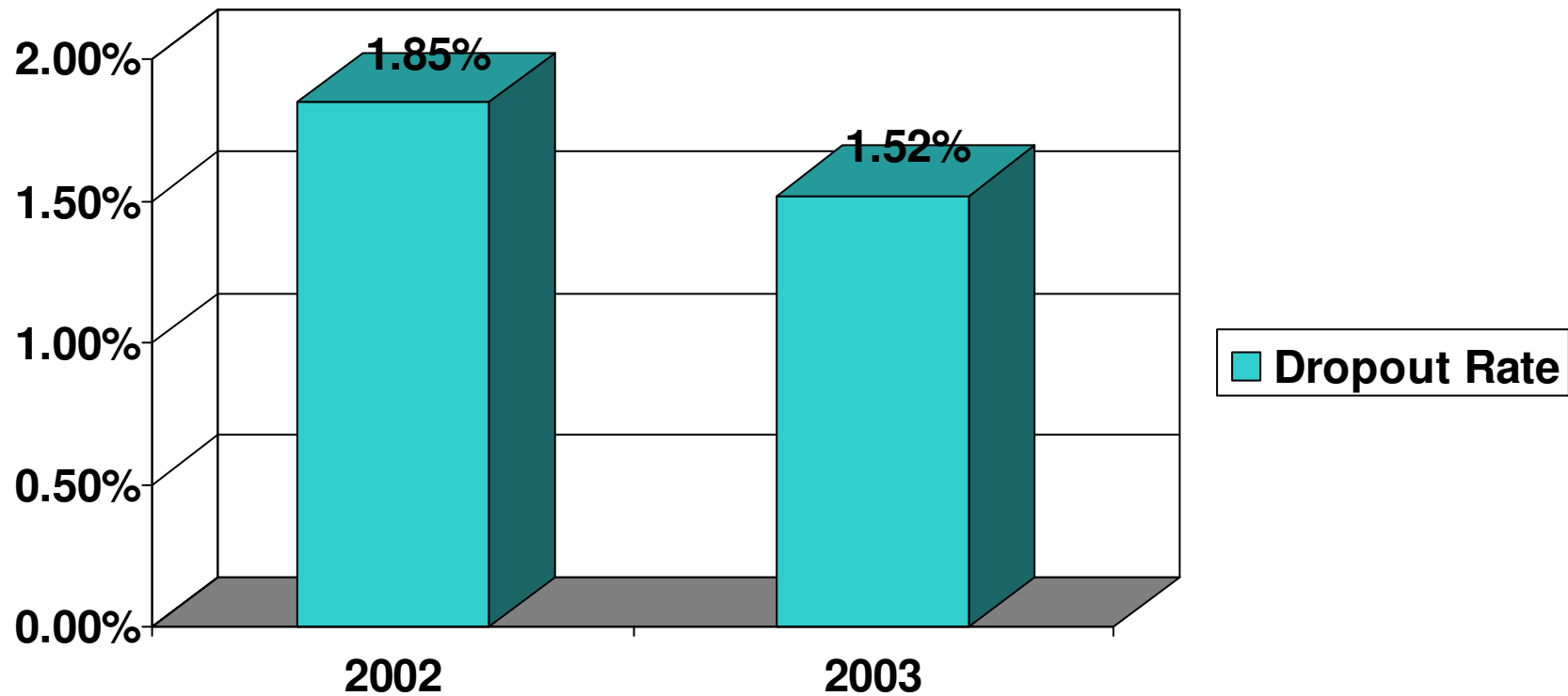
Henrico County, Virginia 1:1



Henrico County, Virginia 1:1



Henrico County, Virginia 1:1



(Approximately 150 students)



Background

- In August of this year, we formed an exploratory committee to determine the feasibility of a similar initiative for Cullman City Schools.



Background

- Members of the New Projects Committee are-

Jan Harris	Suzanne Harbin	Lane Hill
Jayne Barnett	Russell Raney	Anita Overturf
Sharon Windham	Sheila Phillips	Alan Pass
Kim Hall	Lucinda Harding	Helen Dunn
Tricia Culpepper		



Background

- After several brainstorming sessions, the committee enthusiastically embraced the concept.
- The initiative will be implemented in phases over several school years to insure teachers are trained to teach in this environment and facilities have been upgraded to support the change.



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Implementation

■ Phase I – 2005-2006

- During the 2005-2006 school year, teachers at Cullman Middle School will be trained to work in this new learning environment.

“I graduated from Cullman High School and have taught here for eight years. This is the most exciting initiative ever undertaken in Cullman City Schools.”

Phil Parris, Teacher, Cullman Middle School

“As a teacher in the Cullman City Schools for over thirty years, I am so excited! This is just one example that shows that Cullman City Schools are NUMBER ONE!”

Mary Yates, Teacher, Cullman Middle School

- The facilities at CMS will be improved to support the initiative.
- Two laptop carts will be purchased for EES and WES to support the 5th and 6th Grade students.



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- Phase II - 2006-2007

- At the beginning of the 2006-2007 school year, all 7th and 8th Grade students will be issued a laptop for their use in the classroom and at home.
- 9th Grade teachers will be trained to teach in this new learning environment and 9th Grade classrooms will be improved.



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■ Phase III – 2007-2008

- 9th Grade Students will be issued laptop computers.
- 10th Grade Teachers will be trained to work in this new learning environment and the 10th Grade classrooms will be upgraded to support the initiative.



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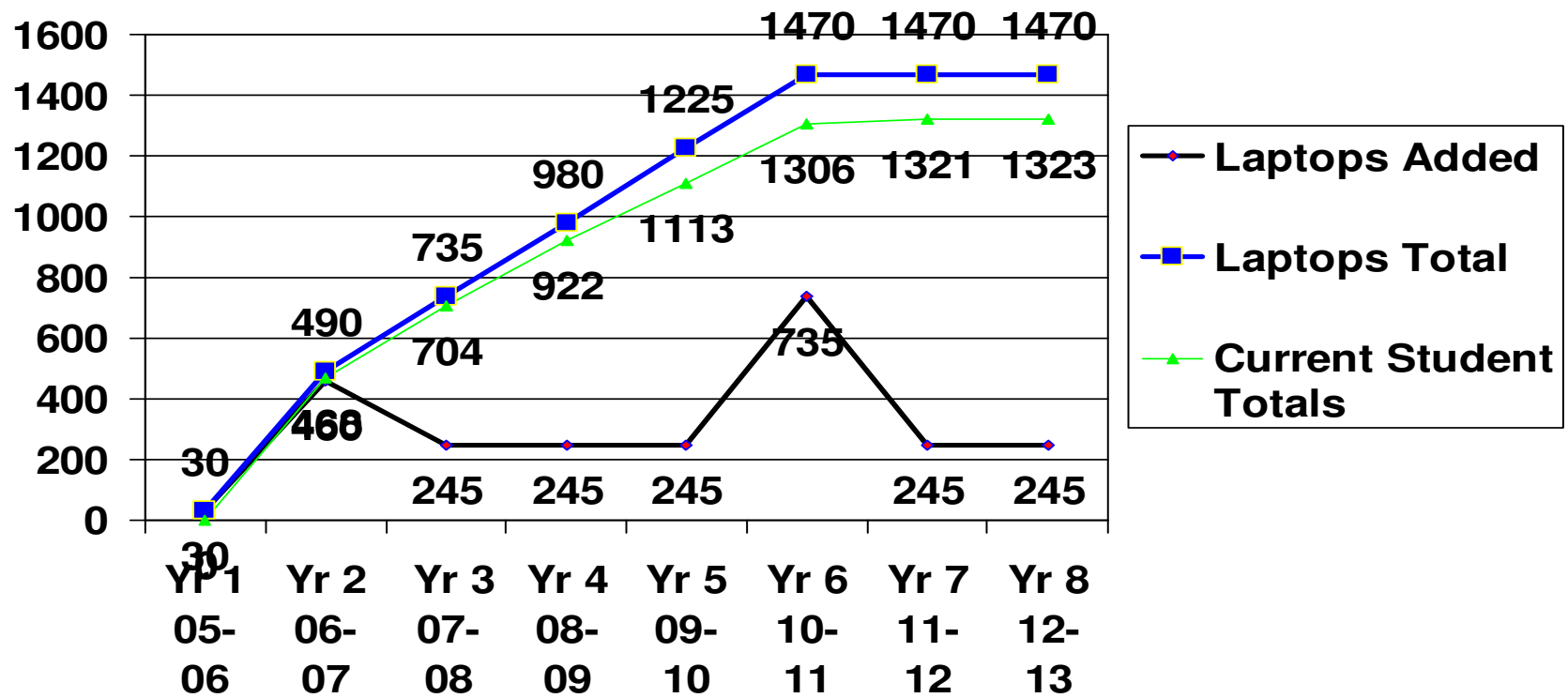
- Phase IV-VI will be essentially the same with all grades (7-12) completing the transition at the beginning of the 2010-2011 School Year.



Timeline for 1:1 Laptop Initiative

	Yr. 1 05-06	Yr. 2 06-07	Yr. 3 07-08	Yr. 4 08-09	Yr. 5 09-10	Yr. 6 10-11	Yr. 7 11-12
Teacher Training	CMS 7-8	CHS 9	CHS 10	CHS 11	CHS 12		
Classroom upgrade	CMS 7-8	CHS 9	CHS 10	CHS 11	CHS 12		
Students w/ laptops		7-8	7-9	7-10	7-11	7-12	7-12
Total Laptops	30	490	735	980	1225	1470	1470

Laptop Count





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- What will be done differently?
 - For the first time, true authentic and collaborative learning can be accomplished across the curriculum.
 - Text books will be loaded onto the hard drive of the computer.
 - All laptops will have wireless Internet access everywhere at school. CMS will be “Wi-Fi.”



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- All classrooms will be upgraded to support this initiative. The teachers' needs and curriculum requirements will drive this upgrade.
 - A social studies teacher may prefer a projector.
 - A chemistry teacher may prefer probeware.
 - A special needs teacher may require adaptive technologies.
- Remediation software will be loaded directly to the laptop to enable the student to use the software at home and on weekends. Rosetta Stone, Plato, Math Facts, etc.



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- What will it cost?

- Phase I and II will be paid for by funding approved for technology by the Board for FY06.
- After full implementation the cost per year will be approximately \$500,000 or \$300.00 per student.



1:1 Laptop Initiative

- Where will the money come from?
 - Reallocation of the current technology budget.
 - State Funds
 - Capital Funds
 - Partnership with Industry
 - Local Funds
 - Federal Funds
 - Textbook Savings
 - Donations
 - Grants

1:1 Laptop Initiative

True and substantive change must be intentional and purposeful.





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