



## Darien Technology Budget 2009-2010

### Introduction

- In 2004-05, the Board of Education and Darien Community made a commitment to providing technology tools to its teachers and students.
- Administrators and staff made a commitment to use technology to improve educational programming for all students.
- Both fulfilled their commitments and gains were made in the quality of education in Darien as a result.

## What benefits have grown from technology implementation?

- More efficient, effective lesson/unit planning/presentation by teachers;
- Rich, challenging, engaging instruction for students;
- Facilitated assessment and differentiation of instruction;
- Enhanced communication for all in the education community.

## Teacher Plans & Presentations

- Lesson/unit plans are saved, revisited, revised, and shared;
- High quality resources are integrated into lessons (simulations, e-visits, primary docs);
- Instructional time is maximized by facilitating transitions from lesson to lesson/day to day providing more time with students.

# Fifth Grade Schedule

## Schedule for Tuesday, January 20, 2009

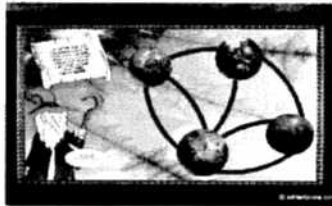
8:30-9:10	Math	Networks.notebook
9:10-10:00	PE Special	
10:00-10:30	* Math (continued)	
10:30-11:30	Science	Tides and Gravity.notebook
11:30-12:15	Writing	Writing
12:15-1:00	Lunch	
1:00-2:45	Literacy	Literacy
Homework		Homework

This SmartNotebook page shows the schedule for a day in a 5<sup>th</sup> grade class.

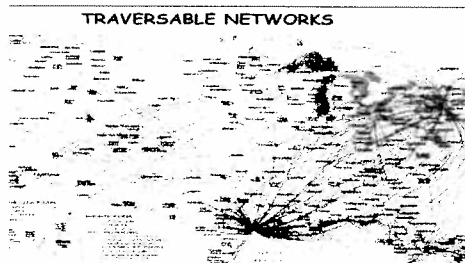
The links on the right connect to other notebooks that contain specific lessons.

Teachers can move quickly and easily from lesson to lesson.

# Math Notebook - Networks



How many line segments stem from each vertex?



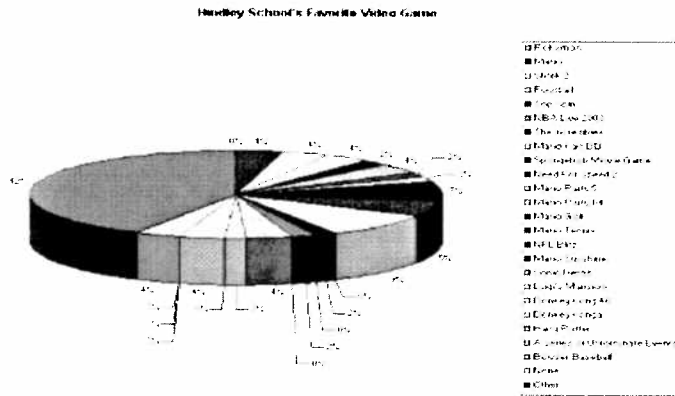
Here is a colorful activity and a real world sample that appear in the Math Network notebook and make the lesson more engaging and challenging.

The teacher can email the notebook to students who missed the lesson.

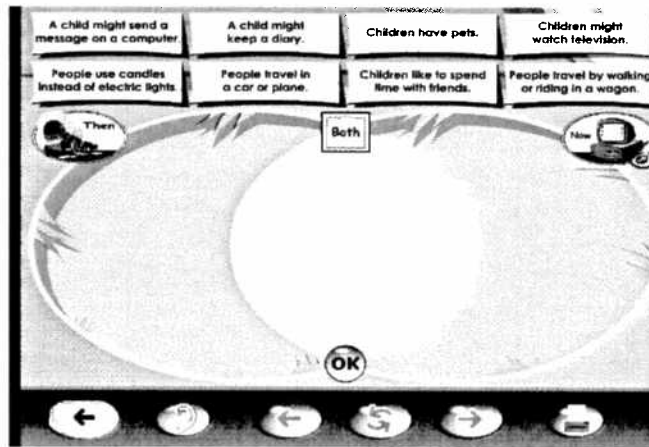
The notebook can be saved and updated next year saving planning time and effort.



Students surveyed their friends about their favorite video games. They loaded the data into an Excel spreadsheet and created this pie graph. This tool was not readily available to Darien students before the introduction of technology.



Primary teachers can assign interactive tasks like this one to reinforce specific skills with individual students. The program will automatically assign other similar tasks if a child shows the need for more practice. Students in grades 3-5 will have a similar program available next year but need new computers to use it.



## Assessment & Intervention

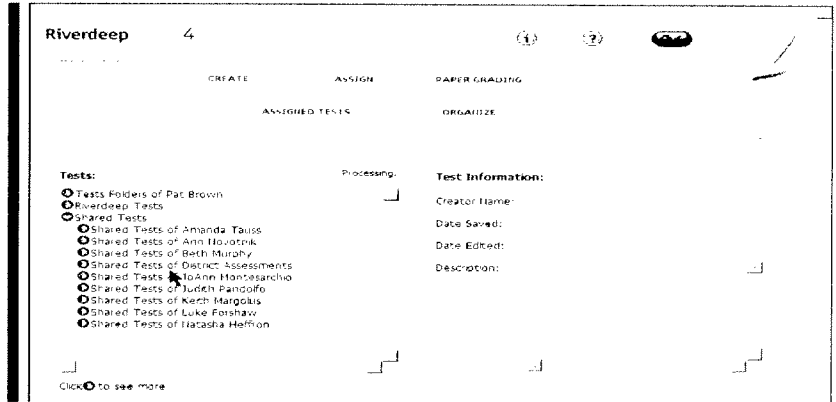
- Additional resources are available to measure student progress in real time.
- Timely measures give better information for lesson design.
- The capacity to provide interventions to meet students' individual learning needs has been increased.
- There is better monitoring of student progress over time.

## Enhanced Communication

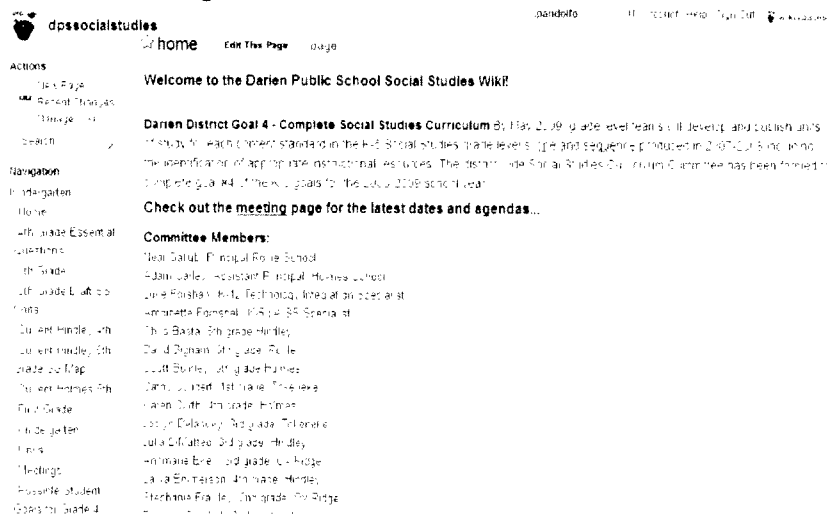
Technology provides:

- Systems for teachers to regularly share and discuss their work;
- Software to expand access to professional development (webinars, podcasts);
- Daily communication with students and parents about instruction through email, blogs, and websites;
- Facilitated communication across the country and the world.

This is a screen shot from Professional Development On Demand. A tech specialist demonstrates and talks the teacher through the process for assigning assessments to students using the Destination Reading Program. Teachers can access podcasts like this one any time and any place when they need help with a task. It saves time and money on training.



Teachers use wikis to share information with one another about particular content areas. This Social Studies Wiki gives teachers access to curriculum, sample units of study, and on line resources. It also provides an easy means for communicating with one another.



## What do we stand to lose?

- Less engaging and challenging daily lessons
- Fewer tools for students to use in their work, research and presentations
- Reduced capacity of teachers to assess students and assign appropriate interventions
- Time lost copying missed work and recreating visuals
- Reduced opportunities for teacher collaboration and training
- Reduced parental access to classroom instruction

## Key Items in the Tech Budget 2009-2010

- Completes items left over from the 2006-09 technology plan
- Begins a technology replacement program
- Addresses special education technology needs

## Budget 2009-2010 - Original

Site	Item	Quantity	Unit Cost	Total Cost
DHS	Tablet PCs	100	\$ 1,300	\$130,000
4 K-5 Schools	K Pres. Sys.	16	\$ 4,000	\$ 64,000
	Music Pres Sys	4	\$ 4,000	\$ 16,000
	Student PCs	90	\$ 500	\$ 45,000
	Wireless Systems	4	\$14,000	\$ 56,000
Sp. Ed.	Student PCs	50	\$ 700	\$ 35,000
	Laptops	15	\$1,000	\$ 15,000
	Adaptive Tech			\$ 19,000
	<b>Sub Total 09-10</b>			<b>\$380,000</b>

## Revised Budget

Recognizing the sensitive budget climate, the technology team revised the budget to reflect those items that are essential to maintain the gains that have been made in teaching and learning as a result of the technology implementation.

## Budget Reductions

- Postpone music presentation and K-5 wireless systems.
- Defer 50 Tablet PCs until next year.
- Use alternate system for 3-5 computers with a \$9,000 reduction.
- Defer replacement of 10 special ed computers.
- Postpone \$17,000 of alternative technology.

## Budget 2009-2010 - Revised

Site	Item	Quantity	Total Cost
DHS	Tablet PCs	50	\$ 65,000
4 K-5 Schools	K Pres. Sys.	16	\$ 64,000
	Student PCs	90	\$ 36,000
Sp. Ed.	Student PCs	40	\$ 28,000
	Laptops	7	\$ 7,000
	Adaptive Tech		\$ 10,000
	Sub Total 09-10		\$210,000

The revisions reduce the total budget by \$170,000.

## The Key Decision

We believe that Darien staff have implemented technology in ways that significantly improved teaching and learning for Darien students.

Adoption of the revised technology budget will allow those improvements to continue.

Further cuts threaten the integrity of the program.

## Technology Demonstration

- To illustrate how technology has changed how the educational community functions, middle school students, with Luke Forshaw, K-12 Instructional Technology Specialist created a video with comments from students, staff, and parents. Enjoy!



***We thank you for your  
continued support of the  
technology program!***