



Tech Teaching And Learning Konnections

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<http://www.broward.k12.fl.us/etscsds/techTALK.htm>

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Teachers Integrate Technology into Curriculum

Teachers and students are often learning together as classroom curriculum is more infused with technology at the four Digital Learning Environment Study schools. Trainers are working with teachers and students to close the gap between the way students live and the way they learn.

Slide shows and other software programs are being used to attach visual learning to abstract concepts within the classrooms. Students now have the ability to expand their individual learning styles.

Technology and Intensive Reading... who thought that they would merge to produce struggling readers who want to read and write! This phenomenon is happening at Monarch High School. Students have turned their classroom assignments into AppleWorks Documents and Keynote Presentations.

Teachers, Ms. Canell, Ms. Brodie, and Ms. Dilgen, are using technology each day with their classes.



Trainer, teacher and student all work together at Monarch to impact learning.

In Mrs. Canell's class, students use spreadsheets to record and graph their daily fluency timed readings. Mrs. Brodie's and Mrs. Dilgen's classes have gone paperless. They are teaching vocabulary using a table inserted into an AppleWorks

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Web Site of the Month

<http://www.field-trips.org/trips.htm>

Science and other field trips are accessible on this site as well as forms, templates, and vocabulary associated with each specific topic. Click on an area you're studying and move through different sites for the information.

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Wizards of the Month

Debbie Adams
Third Grade Teacher

Country Isles Elementary

VTRP 2003-2004 Winner

“Is There Anybody Out There?”

Debbie Adams. 3rd grade teacher from *Country Isles Elementary*, developed a learning ‘adventure’ that sends her students “out of this world” to discover the uniqueness of each planet in the lesson, ***“Is There Anybody Out There?”***

Students research and produce a multimedia presentation that showcases what they’ve discovered and entice others to want to visit their planet during a virtual field trip.



Gregory Zolna
Art Teacher

Pompano Beach High School

VTRP 2003-2004 Winner

“Why Create”

What is it that compels man to create art? Who or what influences one to create? These and many other driving questions lead students on a WebQuest to uncover the answers in a highly engaging and CREATIVE project, ***Why Create?*** produced by **Gregory Zolna**, Arts Educator, ***Pompano Beach High School.***

Discover the **MAGIC** in these winning lessons @ <http://web/bestpractices> (Intranet) or <http://www.broward.k12.fl.us/bestpractices> (Internet).

Use of Technology Leads to Student Motivation

(DLES continued from Page 1)

document, which is a representation of the Vocabulary Improvement Strategy (VIS). Vocabulary instruction also takes the shape of a game show slide in which the students create sentences to illustrate the meaning and context clues of words they are studying. Students then e-mail their work to the teachers for grading.



Monarch teachers are also changing how they prepare for their classes.

The students are showing excitement when assigned research projects. Using the school's online information database they researched endangered animals and the colonies in the British Empire. The information



Monarch students work with Ms. Barton, a USF Trainer.

gathered was placed into an Inquiry chart, or Content Frame, and then transposed into Keynote presentation slides, written reports, and posters. Students then addressed the class and delivered their research findings.



Students get involved with technology projects at Monarch High School.

What's next for this dynamic triad you ask? They are joining forces to bring desktop publishing to their students. Students will be designing brochures, flyers, and banners to illustrate the stories they are reading. It is even rumored that they are thinking about producing some books on tape using iMovie.



Monarch students work on Keynote.

To view some of these projects and pictures visit <http://monarchknights.com> Then follow the teachers Web Pages link and select one of the above-mentioned teachers.

Attucks Middle School Involves Staff, Students and Parents in their Digital Learning Environment Study and CITE

Attucks Middle School opened this year as the Center for Instructional Technology Education (CITE) and a participant in the DLES. As a school-wide magnet participating in these two initiatives, teachers will learn how to integrate technology across all curricula.

Attucks is also launching the CITE/DLES Demonstration Center for District Staff Development where teachers will learn strategies for the

integration of technology and then practice these strategies in two model classrooms. Students will supply immediate feedback on the effectiveness of this classroom instruction.

These pictures show the involvement of all the Attucks stakeholders from the delivery of the computers to the continued infusion of technology into the teaching and learning process at Attucks.



Opening Day Ceremonies of laptop deployment brought excitement to all.



Parents learn how to use the laptops, too.



Students analyze, organize, and chart data using spreadsheets.



These 6th graders are proud of the pie chart they've created.



EasyTech helps students learn technology skills in critical content areas.



Integrating online research with reading strategies

Teachers Change to Infuse Technology Tools into their Practice



Model teacher, Mr. Gates, uses various applications at his technology command center.



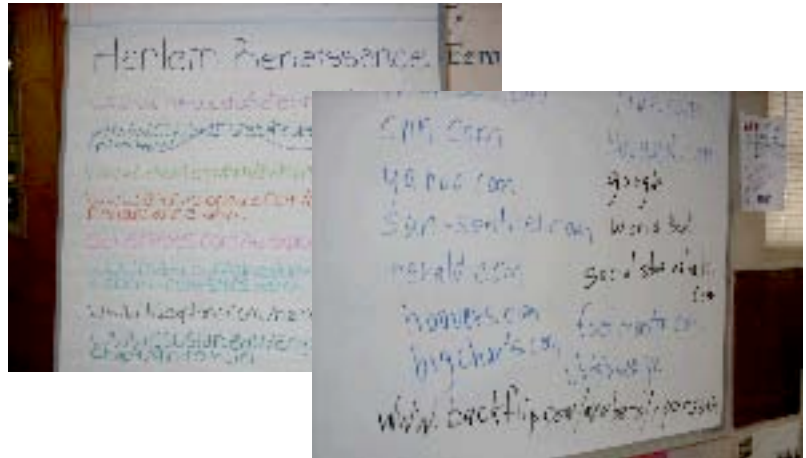
Attucks' Reading Coach, Ms. Woods, demonstrates using the interactive white board.



Ms. Frazier and her students collaborate using laptops.

Miramar Teachers Infuse Technology in Many Different Ways

The look of classrooms are changing at Miramar High School since the Digital Learning Environment Study (DLES) was initiated in October. Instead of notes on the boards in Mr. Ross's and Mr. Boston's rooms, a list of growing web sites are displayed for student access.



Instead of students and teachers working individually, you'll see them collaborating and helping each other. Students are often more engaged and learning side-by-side with Teachers.



Numerous teachers, including Mr. Ross, Mr. Biscoglio, Ms. Rallo, Ms. Perlman and Ms. Piedra, are having students conduct online research and then create Keynote slide shows to assimilate and present their information. Ms. McAdams, Ms. Schneeman, Ms. Wanton and Ms. Palmer are using Keynote within their Reading and English classes.

Mr. Beggs works with a student in History.



Students have assisted throughout the DLES process - checking out computers, fixing laptops, and managing the Student Help Center.



MHS teachers attend technology integration training on a weekly basis.



Ms. Rago's Graphic Design students designed and created their own music CD using Garage Band software.

This is just a sampling of the diverse ways that teachers and students are integrating technology at Miramar High. Stay tuned to Tech TALK for further updates.

Broward Estates - Only Elementary in the DLES

Broward Estates Elementary students and teachers have embarked on many new ways to infuse technology into their curriculum.

Ms. Kabana's third grade class used iPhoto to transform their digital photos into a math glossary. Each student took a picture of something within the school that represented math terminology from their math lessons. A few of the photos included in the book are an array, a perimeter, and parallel lines.



Fourth graders are working on research topics that will be presented using Keynote. The gifted class is enhancing their Keynote presentations with original music they're creating with Garage Band software!

Data-driven labs are being used to identify skills that students have mastered or where they need extra practice. Students use FCAT Explorer as well as Compass and CCC for added student achievement.

Teachers are taking advantage of the extensive resources from the Harcourt Math series where students can set their own pace to check their knowledge of addition, subtraction, multiplication, and division facts. Teachers project from their laptops for practice and extension activities.

South area technology specialist, Lynn Slomsky, trained teachers simple ways to use AppleWorks to create documents based on skills in the Trophies series.

In January teachers are looking forward to using the new Promethean interactive white boards that will be installed over the holidays.

Students are the winners as they learn to collaborate on technology projects.



Classrooms and modes of learning are changing at Broward Estates Elementary.





Keep the Digital Fires Burning!



In the 2004-2005 DETA Learning Community!



Happy Holidays and **Joyous Wishes** for a wonderful new year to the DETA Learning Community!

Thanks to everyone who participated in our fall sessions.

Mark Your Calendars Now! All sessions will be held at the centrally located Rock Island Professional Development Center from 4:30 to 7:00 P.M. - providing plenty of time for hands-on learning, collaboration, and practice.

- Feb. 16 Rock On with Garage Band!
 Developing Your Own WebQuests
- Feb. 17 Alternative Assessment Strategies
 Digital Storytelling with iPhoto
- Mar. 16 Digital Communications - Advanced CAB for Teachers
 Advanced Appleworks Presentation Strategies
- Mar. 17 Advanced Power Point Presentation Strategies
 Raising Infotectives: Getting Students to Think Using the
 Research Process Model
- Apr. 13 The Digital Natives' Classroom (e-textbooks & more)
 Advanced Inspiration
 VTRP Project Submission Work Session
- Apr. 14 Newsletters with AppleWorks Draw
 VTRP Project Submission Work Session

The registration form and Business Event number for the second semester DETA Learning Community will be posted on the Deta learning Community website in January at http://www.broward.k12.fl.us/etscsds/deta/deta_LC.htm

The DETA Learning Community continues for all currently enrolled members at <http://broward.blackboard.com>. Log on and keep the discussions going!

Have a wonderful, restful holiday and see you in the **New Year!**

The DETA Learning Community...



The next step for DETA Grads!



Got Technology Integration...Get DETA!

Enroll Today!

The Digital Education Teacher Academy (DETA) is designed to provide contract teachers with strategies and resources to infuse technology into their teaching & learning environments.

If you are a teacher and haven't yet gone through DETA, many opportunities are available this school year and during the summer of 2005.

BET 10127314 BE #	Dates Time: 8:30 a. - 4:00 p.	Course Type	Open House Registration - Presentation FAU Davie LA Bldg. Rm. 139 Starts at 4:30 p.m. Dates
10254242	Jan. 15, 22, 29, Feb. 5, 12	DETA 1	December 1, 2004
10254246	March 21, 22, 23, 24, 25	DETA 1	March 2, 2005
10254325	April 9, 16, 23, 30, May 7	DETA 1	March 30, 2005
10254327	June 6, 7, 8, 9, 10	DETA 1	May 25, 2005
10254329	June 13, 14, 15, 16, 17	DETA 1	May 25, 2005
10254330	June 20, 21, 22, 23, 24	DETA 1	May 25, 2005
10254331	June 25, July 9, 16, 23, 30	DETA 1	May 25, 2005
10254332	July 11, 12, 13, 14, 15	DETA 1	May 25, 2005
10254333	July 18, 19, 20, 21, 22	DETA 1	May 25, 2005
10254335	July 25, 26, 27, 28, 29	DETA 1	May 25, 2005

Prerequisite for DETA 1 -

Participants must have intermediate technology skills & meet all the criteria as listed on the DETA web site:

<http://www.broward.k12.fl.us/etscsds/deta> or <http://web/deta>. Attendance for all five, full days of training is required in order to receive credit for this FAU course.

For more information, please call **Customer Staff Development Services at 754-321-0475** or visit the web site above.



 **Thanks for reading!**
Rose Parsons, Editor