

Eastern Kentucky University Encompass

Instructional Development Center Faculty and Staff
Research

College of Education

March 2012

Preparing Teachers for 21st Century Skills: Using Blogs to Support Students in Learning Math and Encourage Teacher-Student-Parent Communications

Paula Jones
paula.jones@eku.edu

Follow this and additional works at: http://encompass.eku.edu/idc_fsresearch

 Part of the [Instructional Media Design Commons](#)

Recommended Citation

Jones, Paula, "Preparing Teachers for 21st Century Skills: Using Blogs to Support Students in Learning Math and Encourage Teacher-Student-Parent Communications" (2012). *Instructional Development Center Faculty and Staff Research*. Paper 8.
http://encompass.eku.edu/idc_fsresearch/8

This is brought to you for free and open access by the College of Education at Encompass. It has been accepted for inclusion in Instructional Development Center Faculty and Staff Research by an authorized administrator of Encompass. For more information, please contact Linda.Sizemore@eku.edu.

Slide 1

Preparing Teachers for 21st Century Skills:

Using Blogs to Support Students in Learning Math and Encourage Teacher-Student-Parent Communications

Dr. Krista Althaus
Dr. Paula Jones
Eastern Kentucky University

EKU

SITE 2012
INTERNATIONAL SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION

Slide 2

Preparing Teachers for 21st Century Skills

Social Media + Teaching = Learning

SITE 2012
INTERNATIONAL SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION

Slide 3

Preparing Teachers for 21st Century Skills

- **21st Century Skills**
- **Establish Communications**
- **Blogs**
 - Connecting Generations
 - Educational Community
 - Ease of Use
 - Peer to Peer Interactions

SITE 2012
INTERNATIONAL SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION

Slide 4

Preparing Teachers for 21st Century Skills

Rambblings of a Math Mom
Home About

Math Teachers at Play: Bonus

JUNE 20, 2010

Do you know you're following this blog in an RSS reader or other method that will alert you to new posts, but not to changes to existing posts, check out the features great just added to the latest Math Teachers at Play. (I missed one when putting it together originally!)

9 COMMENTS From —Big Carnival, Math

Math Teachers at Play: Three-Cubed Edition

JUNE 19, 2010

Welcome to the Blog Carnival!
Math Teachers at Play!
Twenty-seven is one of my favorite numbers, so I was excited to find that my million of the carnival would be number 27.
Some fun facts via Wikipedia (click the link for more news):
• 27 is a perfect cube: $27 = 3 \times 3 \times 3$.

3x3x3 cube puzzle

SITE 2012

Slide 5

Preparing Teachers for 21st Century Skills

Using Social Media to Teach

- Support Classroom Management
- Provide Methods of Collaboration
- Provide Opportunities to Engage in Online Discussions

SITE 2012

Slide 6

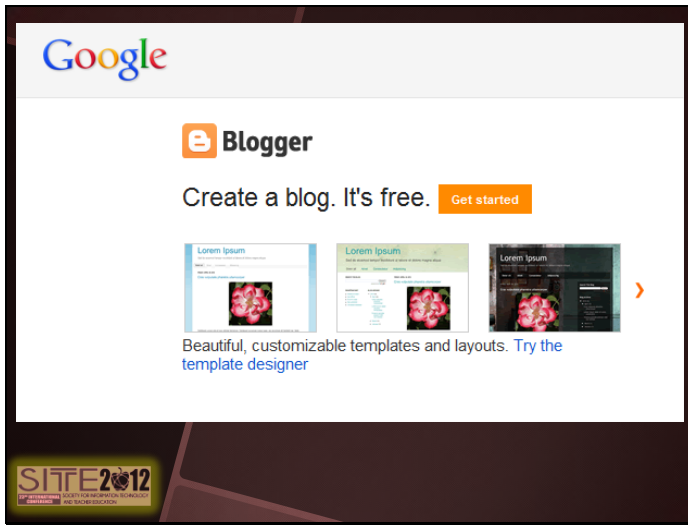
Preparing Teachers for 21st Century Skills

The Methods

- Need Analysis
- Develop Skills
- Identify Resources
- Low-cost Resources
- Portability
- 2-Way Communication Tools

SITE 2012

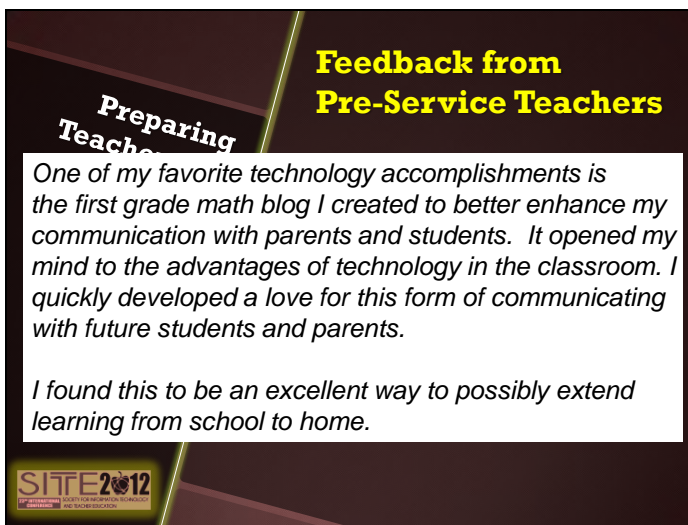
Slide 7



Slide 8



Slide 9




Slide 10

I created this math blog as a way to communicate with parents/guardians and students. When I have my own class I would like to update this blog at least once a week to keep everyone informed of what's going on in the classroom and ways incorporate learning at home.

This is also a good way to attach resources and make announcements for field trips and information about my classroom.


Parents and students can also make comments to me or ask questions that they may have.



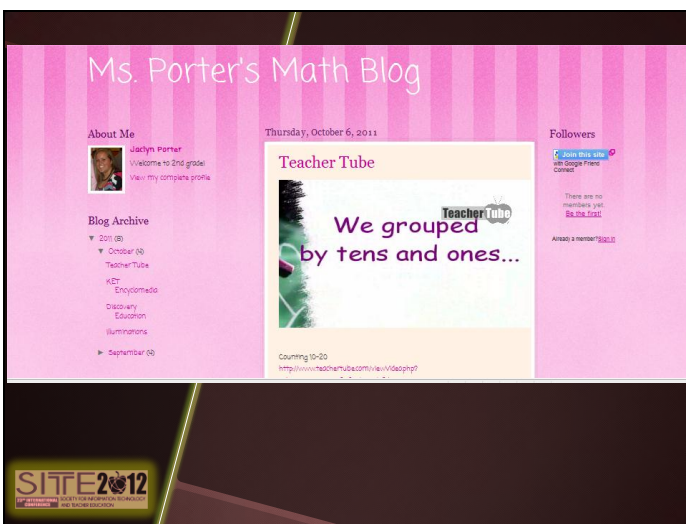
Slide 11

A blog is an efficient tool for communicating information with parents and students outside of the classroom. I will use a blog for daily announcements and resources.


I will be able to keep parents and guardians up to date with what their student is doing in my classroom as well as announce future class events.



Slide 12



The screenshot shows a blog page titled "Ms. Porter's Math Blog" with a pink and white striped background. On the left, there is an "About Me" section for "Jacyln Piemer" and a "Blog Archive" section with a dropdown menu. The main content area features a post titled "Teacher Tube" dated "Thursday, October 6, 2011" with a video thumbnail showing a math problem: "We grouped by tens and ones...". On the right, there is a "Followers" section with a "Join this site" button and a note that there are no members yet.



Slide 13

Mr. Kaywood's 1st grade Math Blog

"The things which the child loves remain in the domain of the heart until old age. The most beautiful thing in life is that our souls remaining over the places where we once enjoyed ourselves." - Khalil Gibran

Wednesday, October 3, 2013

Welcome Bunnies!

Encyclomedia

KET Encyclomedia is a library of resources for the classroom and professional development resources that have been, in part, created locally through KET as well as PBS and other national producers. It is in partner with Discovery Education, but also contains KET Teacher's Domain and KET On Demand, which provides a way of combining technology and math in the classroom. KET On Demand shows students awesome ways of connecting math to their life. For first grade such videos as 'Cooking with Math' shows students that math is used in making our food. 'Shapes in the World Around You' introduces students to how our world is composed of shapes. I love the idea as using these videos as an engagement in my lessons allowing students to first take an interest in what we will be learning that day before I present completely new material to the kids and build onto the material from the

Blog Archive

▼ 2011 (8)

- ▼ October (4)
 - Encyclomedia
 - Discovery Education
 - Humorists
 - TeacherTube
- September (4)

Followers

Join this site

SITE 2012
SOCIETY FOR INFORMATION TECHNOLOGY IN EDUCATION

Slide 14

Mrs. Rader's Math Blog

Home | Posts RSS | Comments RSS | Edit

WELCOME

Hello classroom parents and welcome to my blog! This is where you can visit to check in on all the activities we have going on in my math class. You can expect weekly or bi-weekly updates on the class lessons. If you need to get in contact with me for any reason, never hesitate to send me a message! I will usually reply within 24 hours. Hope you enjoy our class blog!

Ma and Pa Kettle - Division Misconceptions!

at 9:02 PM Labels: division, teachertube, video

TeacherTube

I was very surprised whenever I found this video! At first, I thought it was just really funny, but the more I thought about it the more I thought it could be useful in the class. This would be a very entertaining way to show my students some misconceptions about math. Not to mention, get them to pondering which was the correct way to divide! Both answers look convincing in the video. I would certainly use this as an "Engage" for a lesson. This video also makes me curious about how math skills were

ABOUT ME

TAARA
I am a pre-service Elementary teacher at Eastern Kentucky University. I will be completing my student teaching next semester and will graduate in Spring of 2012. I enjoy reading, writing, watching cartoons, and spending time with my friends and family!
VIEW MY COMPLETE PROFILE

FOR STUDENTS

- Flash Cards
- Math Tools Games
- Learning Games
- Math is Fun
- Math Playground

FOR TEACHERS

- Lesson Plans
- Federal Resources
- Math Scope
- PDS Teachers

SITE 2012
SOCIETY FOR INFORMATION TECHNOLOGY IN EDUCATION

Slide 15

Implications for Teaching

- Extension of Classroom
- Build Communications
- Support Student Learning
- Ownership of Posting and Write Opportunities to Read Through Collaboration
- Scaffolding

Preparing Teachers for 21st Century Skills

SITE 2012
SOCIETY FOR INFORMATION TECHNOLOGY IN EDUCATION

Slide 16

Preparing Teachers for 21st Century Skills

Conclusions

- Blogs to Support P-12 Students Learning Math
- Support Classroom Management
- Provide Methods of Communications
- Utilize 21st Century Teaching Skills

SITE 2012

Slide 17

Preparing Teachers for 21st Century Skills

SITE 2012
23rd INTERNATIONAL CONFERENCE SOCIETY FOR INFORMATION TECHNOLOGY AND TEACHER EDUCATION

Thank you for attending

Dr. Krista Althausen
Krista.althausen@eku.edu

Dr. Paula Jones
Paula.jones@eku.edu

Eastern Kentucky University
EKU

References

Barge, K & Loges, W. (2003). Parent, student and teacher perceptions of parental involvement, *Journal of Applied Communication Research* 31(2), 140 – 163.

Blood, R. (2002). *The weblog handbook: Practical advice on creating and maintaining your blog*. Cambridge: Perseus Publishing.

Downes, S. (2004). Educational blogging, *Educause Review*, 39(5), 14-26. Accessed from <http://www.educause.edu/EDUCAUSE+Review/EDUCAUSEReviewMagazineVolume39/EducationalBlogging/157920>.

Eublogs website (2011). Accessed at <http://edublogs.org/>.

Gunelius, S. (2011). A review of what blogger.com offers as a blogging software. Accessed from <http://weblogs.about.com/od/choosingabloghost/fr/BloggerReview.htm>.

Lambert, J. & Cuper, P. (2008). Multimedia technologies and familiar spaces: 21st-century teaching for 21st-century learners. *Contemporary Issues in Technology and Teacher Education*, 8(3). Accessed from <http://www.citejournal.org/vol8/iss3/currentpractice/article1.cfm>

Makinson, O. (2009). *Teachers using blog homework to further classroom discussions*. LasVegas Review Journal. Accessed at <http://www.lvrj.com/living/44667697.html>

Maring, G. & Magelky, J. (1990). Effective communication: Key to parent/community involvement. *The Reading Teacher* 606-607.

Oxford University Press. (2008). *Oxford English dictionary*. Oxford: Author

Partnership for 21st Century Skills. (2006). *Results that matter: 21st century skills and high school reform*. Retrieved from <http://www.21stcenturyskills.org/documents/RTM2006.pdf>

Wolfe, K. (2010). Bridging the distance: The use of blogs as reflective learning tools for placement students. *Higher Education Research & Development* 29(5), 589–602.

Wordpress Web site, (2011). Introduction to Blogging. Accessed at http://codex.wordpress.org/Introduction_to_blogging.