

**Title of Session:** Math Resources K-20

**Moderator:** Jeff Cooper

**Title of File:** 20090303math

**Date:** March 3, 2009

Room: Math Resources K-20 Group

**JeffC:** Hi all

**JeffC:** Welcome to Math Resources... let's get started with introductions... tell me a bit about yourselves and what you're looking for.

**JennyG:** I'm a student teacher this semester and I love math...I'm looking for some good resources that I can share with my teacher for math because I think math can be really boring for the students

**VanessaAl:** Hi my name is Vanessa and I am a student teacher at the University of Houston. I would like to get more information and resources for teaching math. I am currently in a departmentalized math classroom for 3rd grade.

**MartaM:** I am a Student teacher in Houston and I just need ideas on how to teach math

**CatherineZ:** Julie Graves, our Ed Psych prof, wanted us to become familiar with Tapped In. I have 2 elementary aged children and I hope to teach at the elementary level in a couple years. I am interested in learning about Tapped In's math resources.

**JennyG:** My name is Jenny and I go to the University of Houston Main Campus

**JeffC:** ok... great

**PeterK:** I'm an EdTec student @ SDSU in Dr. Bernie Dodge's Adv. Teaching w/Technology course. Attending this for Online Professional Development assignment.

**CatherineZ:** I go to CU-Boulder. I have volunteered during my son's 1st grade math block - math instruction has changed a lot.

**SusanR** joined the room.

**JeffC:** looks like most here are interested in elementary math resources then.

**JeffC:** and here is Susan Roseman, our elementary guru!

**SusanR:** elementary, yes

**JeffC:** at some point I'll move this meeting to the K-3+ Resources room.

**JeffC:** she has a lot there that I don't have here.

**JeffC:** My name is Jeff Cooper and I'm on Tapped In Helpdesk and facilitate this group, although I'm not a math teacher.

**JennyG:** I'm kind of in the middle 4-8 math

**MartaM:** nice to meet you all

**JeffC:** at some point I'd recommend that all of you "detach" your chat... click the Actions menu and then "Detach."

**JeffC:** then you may maximize your chat window. You may also make the font larger by clicking Actions-- Larger Text

**JeffC:** one other note... if I put in a hyperlink here in chat... be sure to hold the Ctrl key down when clicking or your popup blocker will log you out.

**JennyG:** ok

**VanessaAl:** ok

**MartaM:** ok thank you

**CatherineZ:** ok

**PeterK:** ok

**JeffC:** great!

**JeffC:** ok... as I said, a little later we'll head to the K-3+ Room... but first let me ask if anyone has any cool site they'd like to share... feel free to put it up at any time.

**JennyG:** I know that [www.nctm.org](http://www.nctm.org) is a great site

**JennyG:** It helps with activities and things but it doesn't have everything

**BJB2** . o O ( no site has EVERYTHING, Jenny! )

**JennyG:** everything meaning every topic

**JennyG:** I know but I wish it did

**BJB2** nods

**BJB2:** anyone else have a site to share?

**JeffC:** I'm looking at nctm... unfortunately it requires a paid membership of at least \$30...

**MartaM:** sorry I don't

**JeffC:** but it appears there are a number of great things once you can get in. Is that your experience, Jenny?

**PeterK:** I'd recommend <http://scratch.mit.edu/>. Had a seminar in it with Dr. Dodge.

**JeffC:** I'm sure Bernie also has some interesting Webquests for math as well, Peter.

**VanessaAl:** I use this one <http://www.beaconlearningcenter.com/>

**JennyG:** if you are a student of education you can get on there for free...oh yes there are enriching lesson plans and activities and they give you everything for that lesson in a PDF file

**JeffC:** great

**MartaM:** thank you I did not know that

**JeffC:** I'm going to toss out a few that are always cool for younger students.

**JeffC:** <http://www.starfall.com> <http://www.pbskids.org>

**JeffC:** both are free, both have a wide array of online educational games.

**VanessaAl:** I like the starfall website and pbskids is good too.

**JeffC:** personally I think that game theory would go hand in hand with math education... but for the most part teachers are very textbook oriented when it comes to math.

**PeterK:** <http://questgarden> is an excellent resource for webquests; math and other subjects

**JeffC:** if you play math games, you'll increase and sustain student interest.

**MartaM:** I have heard of starfall but have not had the chance to play on it

**JennyG:** <http://www.coolmath.org>. I think that is a website with math games too

**JennyG:** for free

**VanessaAl:** I agree with incorporating games into our lessons to engage students.

Textbooks are so boring.

**JeffC** recommends Questgarden as well... there's a free 30 day trial and fees are very nominal for a year.

**JeffC**: thanks Jenny!

**JeffC**: Here is one other that is more for the middle/high school teachers, but can be very useful for younger students as well: <http://www.mathway.com>

**JeffC**: mathway has a "step by step" problem solving approach.

**JeffC**: students plug-in questions for math ranging from simple problems to calculus, and the system gives step by step problem solving results.

**JeffC**: ok... while everyone here is looking at the previous resources (feel free to chime in with comments, other links, etc.) I'm going to share something else... the K-12 Campus here.

**JeffC**: I have had a number of math teachers create classrooms here...

**JeffC**: But... very little has been done in terms of collaboration. Very few math classes ever work with other math classes... but here's a thought...

**MartaM**: cool where was all this information when I was in high school

**JennyG**: the students come to class in Tapped In?

**JeffC**: If any of you elementary teachers have Smartboards... have you ever considered having your students collaboratively problem solve with students from another school (state, or country)?

**JeffC**: Here I want people to start consider thinking about your future as teachers... many of you are just starting, so what I'm doing now is planting pedagogical seeds for the future.

**VanessaAl**: I had never thought of that. That would be an interesting lesson.

**MartaM**: wow never thought about that

**KumariH** joined the room.

**CatherineZ**: The older students would think it's cool to solve word problems with some one far away.

**JennyG**: can you do that with a smartboard?

**JeffC:** It's not necessarily something you could do today, or even this year... but why not? Get a webcam, a smartboard, and use either ooVoo, wiziq, or some other web conferencing tool. <http://www.yugma.com> gives remote control access (for free too)...

**JeffC:** Yes... you'd need to play with the Smartboard, the system, etc., to work out the bugs.

**JeffC:** And of course, the first time you do anything... there will be bugs... so I'd recommend trying it out with another teacher (or three) in advance before springing it on your students.

**JeffC:** I'm talking about breaking down classroom walls "virtually"...

**VanessaAl:** I like this idea.

**JeffC:** something you probably don't get a lot of in your Masters classes now... we tend to think in two dimensions... if that...

**MartaM:** when you mention the webcam... does that mean we need permission from parents

**JennyG:** that I believe would really engage any student... to virtually talk to someone and solve a problem together

**JeffC:** that's up to your District and you Marta... obviously it would be important to let your admin and parents know what's going on, as well as the IT department... but think about it for the future.

**JennyG:** I used to have an internet class when I was in 8th grade.. that was amazing I had people from all over the U.S. in my "classroom"

**JeffC:** basically a lot of tech goes vastly underutilized because of lack of access, NCLB requirements (that teachers feel preclude tech at the price of trying to raise test scores or deal with mandated standards, etc.).

**MartaM:** ok thanks I really love this idea

**JeffC:** That's great Jenny... how was it done?

**JeffC:** Again... on Saturday at 11a.m. here I give a tour of the K-12 Campus and help teachers create their own virtual classrooms here. This week I'll be holding a special Collaboration Community meeting as well as K-12 from 10-12 Pacific. The first part will focus on getting classrooms set up (for those who haven't created them). The second half will focus on getting collaboration started and facilitated.

**JennyG:** we joined a chat room our teacher had a webcam (which was super expensive) and a mic. The picture wasn't very clear or sound, but we could type or talk and everybody could hear or see. We would turn in assignments online. My professor was in Montana

**JeffC:** great... of course the tech has vastly improved since then, and webcams much cheaper.

**JeffC:** your teacher was forward thinking... again... I think we all need to consider possibilities rather than mimicking what was taught to us. Think beyond the box.

**JennyG:** it was a homeschooling class I took logic

**CatherineZ:** You may have a laptop with a webcam built in

**JennyG:** hello

**JeffC:** ok... we've been moving rather quickly here today... which is how I like it... since you'll all receive transcripts of this session after you logout.

**JeffC:** in a minute I'd like to move this to the K-3+ Resources room.

**MartaM:** ok

**JeffC:** if you have your chat detached... go to the main Tapped In window...

**VanessaAl:** sounds good.

**JeffC:** and click the link to the K to 3+ Resource room under "Featured Passageways."

**JeffC:** Susan will join us there shortly...

**MartaM:** ok

**VanessaAl** left the room.

**CatherineZ** left the room.

**BJB2** rides caboose

**MartaM** left the room.

**JennyG** left the room.

**JeffC** left the room.

**BJB2:** anyone need help?

**KumariH** left the room.

**PeterK:** yes

**BJB2:** Peter, click on the ONLINE tab to the left of this chat

**BJB2:** click one time on Catherine Z and then click on the door

**PeterK:** got it, thanks

**PeterK** left the room.

**BJB2** left the room.

Room: K-3Resources

**BJB2** joined the room.

**JeffC:** Peter... reattach your chat... just close the detached chat window (if you have detached chat).

**JennyG:** how do we reattach our chat

**JeffC:** There is a lot in this room... beyond math...

**BJB2** . o O ( don't close the web window! )

**BJB2** . o O ( just the chat window )

**JeffC:** but since there were so many elementary educators I wanted to show it off... right... just close detached chat.

**JeffC:** if you would like to join this group, at the end of the Welcome box in the top frame is a little "i" in a green circle next to a link for this group.

**JeffC:** click either the little "i" to pull up the group's profile or the K to 3+ Resource Room link at the end of the Welcome box.

**JeffC:** then click the link to "join this group."

**JeffC:** after you've done that, click the "Room View " button to take you back to the Welcome page.

**CatherineZ:** I've explored this page before - it has a lot of great links

**JeffC:** we could all spend days here, but I'd like to point out a few links that are pretty cool.

**JeffC:** <http://snurl.com/dailymath> is a redirect...

**JeffC:** it's also found at the end of the Welcome box.

**JeffC:** very cool games, approaches to math there.

**JeffC:** also... if you click the "Links" link on the left of the top frame, there's a "Math Stuff" folder... within it are 7 folders and 33 links... so yup... lots here for elementary teachers!

**MartaM:** this is nice

**CatherineZ:** my 4th grade daughter used [www.multiplication.com](http://www.multiplication.com) when she was learning her times tables last year

**VanessaAl:** that's great!

**KumariH:** I'm sorry I've been silent... I'm still figuring all this out...

**BJB2:** Susan leads a real time text chat for this group twice a month

**KumariH:** I have that website on my webpage for students to use. (multiplication.com)

**JeffC:** ok... Susan says she'll be back in a bit to answer questions... but I personally have to run and deal with kids for a bit.

**JeffC:** I'll be back in about 15 minutes to start the Science Resources group... we have a guest speaker today and I'd like to invite all here to attend.

**JennyG:** Thank you Jeff!! This was a great resource

**VanessaAl:** Thanks Jeff

**MartaM:** ok I know the feeling

**CatherineZ:** Thank you!

**JeffC:** you're welcome

**KumariH:** Thank you.



**JeffC:** remember... this is sort of a "table of contents" approach today..

**PeterK:** Thank you, Jeff

**JeffC:** you'll all be fleshing things out in the years to come! I hope you all join this group, as well as Math Resources... and will see you all in 15.

**VanessaAl:** I really like this multiplication .com website. I am teaching multiplication review this week so this is perfect.

**BJB2:** I'm still here if anyone has comments or questions

**SusanR** joined the room.

**BJB2:** in addition to sharing sites, the Tapped in environment gives you the opportunity to share HOW you've used the sites

**BJB2:** and what you feel are the strengths and weaknesses of those sites

**BJB2** waves hi to Sue

**JennyG:** Wow..think.com looks to be a great site for junior high students

**SusanR:** I would very much like to hear how you use or integrate these sites!! Feel free to post in discussions

**BJB2:** this is a great activity to use the discussion board for...

**KumariH:** multiplication.com has a real variety of games. I have only just begun to explore it.

**BJB2:** the discussion board posts are sent to ALL the members of the group and is a great asynch feature of Tapped In

**CatherineZ:** The 1st grade teacher I work with uses these web sites as the "dessert" portion of her class' math menu.

**KumariH:** How does the discussion board work?

**SusanR** . o O ( The beauty of Tapped In is that it is both async and sync )

**BJB2:** Kumari, you have to join the group before you can post to the discussion board

**BJB2:** but once you've joined, you are automatically subscribed to it

**KumariH:** O.k. I'll have to figure out how to do that...

**BJB2:** I believe Jeff explained how earlier, Kumari...check your transcript

**KumariH:** Jeff explained it, but somehow I left the room accidentally and missed it.

**KumariH:** Or, actually, lost the transcript of what he'd said.

**SusanR:** Jeff posted the "Discussion Board Tips at Tapped In" right here in the K to 3 Resource Room

**BJB2** . o O ( for later: come to this room; scroll down to the end of the welcome note to the green circle and click on it; select join this group from the group ID page )

**PeterK:** So thoughts posted to the discussion board will be sent to members, rather than them needing to log on and check them?

**JennyG:** thank you so much everybody it was great....I learned a lot

**CatherineZ:** I'll have to check out the discussion postings and threads - there is a lot of info.

**CatherineZ:** Thank you!

**MartaM:** thank you everyone I will be looking forward to teaching via internet

**BJB2** heads to the science resources room for that discussion. Any last comments or questions?

**JeffC:** I'm back...

**VanessaAl:** Thank you all for sharing your websites with me. I look forward to incorporating them in my lessons.

**JeffC:** I'll head to Science Resources now as well... thanks all for coming.

**VanessaAl:** Thanks Jeff, BJB and Susan.

**PeterK:** Thank you, Jeff.