

Title of Session: Math Resources K-20+

Moderator: Jeff Cooper

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Room: Math Resources Group

JeffC: OK... Fred and Hassie, if you could type in a few sentences about yourselves... let us know who you are, and what (if anything) you would like to get out of this meeting.

FredK: I'm with the Pushmataha County Literacy Council of SE Oklahoma

HassieJ: I'm new to IT. I'm a tech teacher in Chicago

DavidWe: I'm David Weksler. I'm one of the Help Desk volunteers and I lead a math education and technology discussion here in Tapped In. I'm in New Jersey, near New York City

FredK: I am also doing homeschool math with my granddaughter

JeffC: My name is Jeff Cooper, I'm on Helpdesk here and I facilitate this group. I'm in Forest Grove Oregon, and would like to get more members participating in the monthly meeting here next year, perhaps getting more guest speakers online, etc. as well as improving the resources in this room.

BjB: I'm an art teacher in Pennsylvania. My son in law and I were having a discussion on balanced literacy and the importance of literacy being taught across the curriculum

JeffC: How old is your granddaughter Fred? What level math are you doing with your granddaughter?

FredK: What balances literacy?

FredK: She is 11

FredK: We are working on 6th grade level according to the resources we use

BjB: balanced literacy has guided reading, independent reading, reading for various purposes

FredK: good

JeffC: Fred, do you use any online sites with her?

FredK: Our council mission is to help people reach personal goals through literacy.

JeffC: Could you please introduce yourself to the group?

FredK: I use a bunch of math sites

JeffC: Do you have a list of them somewhere Fred?

FredK: They are scattered through my favorites

HassieJ: could you share some sites with me

FredK: Just a sec

JeffC: ok

JeffC: I used to have a very extensive collection online but the system got wiped... I do have a number of links in my Math folder at <http://www.mybookmarks.com/public/coops> ...and of course there are a number of links and resources her in this room.

FredK: <http://www.aaaknow.com>

FredK: Of course there is always <http://www.math.com> for practice

FredK: It also has some basics

JeffC: Thanks Fred

HassieJ: how do you get to the sites in this room

BjB . o O (David will come after you if you don't mention www.mathforum.org)

JeffC: David... could you also please tell people a bit about <http://www.mathforum.com>

JeffC: Hassie, there are a few links in the Links section, and more info in the Discussion section in the top frame.

BettySz: I work in our district's Basic Skills program. I teach Reading and Math to second and third graders.

JeffC: For younger kids, I like <http://www.starfall.com> and <http://www.pbskids.org> as well.

SusanR: I do hope you will attend next week's K to 3+ Great Resources session, Betty..next Tuesday to be precise

BettySz: I'll try.

SusanR: Can I suggest this one from the University of Waterloo

JeffC: Here are 15 K-6 Math sites:

<http://trackstar.4teachers.org/trackstar/ts/viewTrackMembersFrames.do?number=172786&password=>

JeffC: Please do Susan.

SusanR: Math Frog

SusanR: <http://cemc.uwaterloo.ca/mathfrog/index.shtml>

BjB: Hi, Marcelle. Welcome

MarcelleF: Hi everyone

HassieJ: hi Marcelle

JeffC: Thanks Susan, and good for French students as well!

GailH joined the room.

SidT joined the room.

SusanR waves to Gail

GailH waves to all.

BjB cheers and hugs Gail

MarcelleF: What are some ways that you integrate technology into your math instruction?

FredK: <http://www.mathcats.com> might be interesting for youth

BjB: Hi, Sid. Glad you could join the discussion

SidT: Hello, I'm just in for a little bit. Carry on

JeffC: Hi Gail and Sid

DavidWe: Hi, Gail

GailH: Hello friends!

JeffC: I'd like to introduce Gail to the group. She was with Eisenhower National Clearinghouse, my favorite Math and Science Resources site... till the government (in its infinite lack of wisdom) cut its funding last year.

GailH shakes her head. Makes no sense.

JeffC: ENC is now a subscription service, and I imagine that hasn't boosted the number of users. Perhaps you could get Rupert Murdoch (who spent over \$500 million for MySpace) to buy ENC?

SusanR: Tell us how your year has been since you left enc.org, Gail

GailH: I am now at Ohio State University (where I always was) - because ENC was housed there. I place and supervise Master's students preparing to be grade 6-12 math and science teachers. My present group graduate Sunday and next year's group starts a week later.

BrookeM joined the room.

DavidWe checks his watch and welcomes Brooke

DavidWe: Hi, Brooke

SusanR: busy schedule, Gail

GailH: Yes, and I really love being back in the classroom supervising a few of the students myself.

GailH: Was there a discussion going on that I interrupted?

BrookeM tries to sneak in

SusanR . o O (there is nothing like being back in the classroom)

JeffC: Just going over a number of resources... sites... etc...

DavidWe smiles

JeffC: My goal with this group is to get people active next year ... set up more guest speakers, etc.

JeffC: Here are the sites that we've mentioned so far:

BrookeM: nice...I am looking for ideas to borrow

DavidWe: We have a big list of members of this group, but...

JeffC: <http://www.mybookmarks.com/public/coops>

JeffC: <http://www.math.com>

JeffC: <http://www.mathforum.org>

JeffC: 15 K-6 Math sites:

[http://trackstar.4teachers.org/trackstar/ts/viewTrackMembersFrames.do?number=172786
&password=](http://trackstar.4teachers.org/trackstar/ts/viewTrackMembersFrames.do?number=172786&password=)

JeffC: <http://www.mathcats.com>

DavidWe adds <http://www.nctm.org>

JeffC: <http://cemc.uwaterloo.ca/mathfrog/index.shtml>

GailH . o O (a lot of my favorite things!)

FredK: For puzzles, teasers, etc try <http://www.braingle.com>

DavidWe . o O ("raindrops on roses and whiskers on kittens...")

BrookeM: whoa you all are loaded tonight!!!

BrookeM: my multi tasking skills aren't what they used to be

DavidWe wonders if we should slow down on listing the URLs for math sites

BrookeM: nah

BrookeM: that is what transcripts are for

JeffC: Well... just put them up there for easy access.

BettySz: <http://www.funbrain.com> has a section called mathbrain that I like

JeffC: One thing I have a question for the group... how would you do interactive online math work? What sharing program would you use that would allow you to actually draw math symbols and equations? A math teacher asked me this the other day.

FredK: I use funbrain for literacy

BrookeM I know this and I can't think of it

BrookeM: Microsoft has a sharing program

DavidWe: There are collaborative whiteboards, Jeff

DavidWe would have to look up a few things

CathygaGst2: couldn't remember my password to get it in here, so I came as a guest. Will Tapped in send me a transcript of this discussion does anybody know?

BrookeM: it is more of a word processor type thing but you can use the draw function

HassieJ: I found it <http://www.aaamath.com/>

BjB: what about some of the web 2.0 tools for math?

DavidWe: One of the VERY powerful ideas in using the Internet in math is getting students to EXPLAIN (in words) what they believe they understand

BjB: we'll have to ask Lynne Wolters

DavidWe: That process is VERY VALUABLE and encourages TRUE understanding

BjB agrees with David

FredK: A mentor can be helpful while on the computer

DavidWe: The Math Forum problems/projects of the week/month encouraged communication and also take advantage of online mentoring

DavidWe: <http://www.mathforum.org/pow/>

GailH agrees with David too. I find that the simpler things, like this (make each circle add up to 99) http://nlvm.usu.edu/en/nav/frames_asid_269_g_3_t_1.html can be the thing folks can then talk about and reflect on quite deeply.

DavidWe thanks Bj and Gail

DavidWe: The technology, if not handled well, can get in the way of the math - one can spend too much time on bells and whistles

HassieJ: Maybe we all agree

DavidWe: Do you teach math, Hassie?

FredK: In literacy the shape of letters and numbers can take away from the purpose-forest=tree

MarcelleF: Here's a website that proves the Pythagorean Theory (animated)
<http://www.nadn.navy.mil/MathDept/mdm/pyth.html>

HassieJ: not now but I did for ten years

DavidWe nods

DavidWe: Do other folks have questions - what brought you to this discussion this evening?

DavidWe: What are you interested in at this point in the school year (almost over for most people)?

CathygaGst2: Do y'all let an algebra 1 class use graphing calc?

DavidWe: I'm not a classroom teacher, Cathy, so I'm not sure I can help you with that one

DavidWe: I know it's an issue, though

MarcelleF: We are already out in Miami but I'm looking for ideas for next school year.

JeffC: great question Cathy... indeed, there is a whole discussion thread here on graphing calculators.

CathygaGst2: I think they are wonderful for Alge 2. just curious if any one uses them in alge. 1

GailH: My answer is yes (but that doesn't mean they graph a line on the calc and make it the same on a test -- appropriateness is everything.

JeffC: Cathy... click Discussion (link on the left of the top frame)... scroll down and you'll see a link about "Calculators in High Schools" with 17 posts.

CathygaGst2: OK, thanks.

JeffC: Unfortunately, you can't post as a guest (a great reason to become a member though!).

CathygaGst2: I am a member... that is how I knew to come...albeit late-I just couldn't remember my password fast enough.

BrookeM:
<http://www.learnalberta.ca/Launch.aspx?content=%2fcontent%2fmesg%2fhtml%2fmath6web%2fmath6shell.html>

JeffC is still wondering if anyone knows of any freeware/onlineware that would allow students to be mentored online and draw math equations.

BrookeM: here is my favorite interactive website

BrookeM: soooooooooooooo much fun

BrookeM: my kids love it

DavidWe acknowledges Jeff's thought about drawing equations online and will investigate after the session

JeffC: Here's a page on using Excel in the Elementary classroom: v

JeffC: <http://www.forsyth.k12.ga.us/kadkins/spreadsheets.htm>

JeffC: I'd save that last one for the beginning of the year ... but this might be a good one for the end:

JeffC: <http://library.thinkquest.org/16661/>

JeffC: It's on tessellations... kids love them...

BrookeM: Jeff that is awesome

BrookeM: I actually had a conversation with a parent today about excel and how she was amazed her kid knew it

DavidWe: ThinkQuest projects ARE awesome

JeffC: so do I as a matter of fact (you can tell because of my Escher print in the top frame!)

BrookeM: I love using it...so much better than the cheezy graphing programs

JeffC: If you show kids that Escher print, that would be one way to get into tessellations.

DavidWe: Great tessellation unit on the Math Forum...I'll post it in a sec

GailH: I use the following (on that site) to show that things tessellate that people say won't.

GailH: <http://library.thinkquest.org/16661/simple.of.non-regular.polygons/triangles.1.html>

GailH: If you scroll down just a bit, there is an animation that is going on.

DavidWe: <http://mathforum.org/sum95/suzanne/tess.intro.html>

GailH: I like sites like THAT, when you are doing something online, b/c it just "does" its stuff - and people can look and discuss. No need to make it do things.

DavidWe: Cathy, you will NOT receive a transcript as a guest

DavidWe: A transcript will be available (Bj edits them) shortly

DavidWe: If you need one more quickly, I'm happy to email you MY transcript

CathygaGst4: BUT will I get one as a member?

DavidWe: If you are logged in as a member, yes

CathygaGst4: rats

DavidWe: But, at the moment, you are logged in as a guest, right?

GailH: She puts them here: <http://ti2data.sri.com/transcripts/mst/2006/>

GailH: And Sue's Great Resources PK-3 go here:
<http://ti2data.sri.com/transcripts/gened/2006/>

BrookeM loves Sue's page

DavidWe hopes that this session has been helpful to folks

CathygaGst4: thanks for the help

DavidWe: Do people know about the Tapped In Summer Festival?

CathygaGst4: when is it

DavidWe: An all day event showcasing lots of resources (not just math, of course)

BjB: July 19

BjB: 8am - 8pm PDT

CathygaGst4: sweet-I teach Chem. too

BjB: Theme is Sustaining Professional Development Online

DavidWe: I was a chemistry major in college, Cathy

JeffC: Assuming you are a member of Math Resources here, you'll receive emails from me in the future (yes... even/especially during the summer) regarding this group.

CathyGst4: That is how I knew to come... from an email from you.

JeffC nods to Cathy

DavidWe: If anyone happens to be attending the NECC conference in San Diego (5-7 July) I'll be there giving two presentations about Tapped In

BettySz: I've got to leave. Lot's of great sites to explore. Thanks.

BettySz left the room.

JeffC: You are all welcome to stay and chat.

CathyGst4: I must admit, I prefer teaching math to Chem. But my dad was a PhD-Biochemistry

JeffC: Yes... David will be presenting a paper, and the two of us will be holding a workshop.

JeffC: The workshop is from 8 to 11 on July 5th: <http://snurl.com/necc2006>

BrookeM: can I attend NECC virtually?

SusanR: I was about to ask the same question, Brooke

JeffC: yes Brooke... at least my workshop... I'm hoping to get more people to do virtual workshops from NECC but don't know if that will happen.

JeffC: In other words... virtual keynote, etc... staying in touch with whoever is online there at the time.

GailH: Sue, I shared about you (and your tracks) and Trackstar <http://trackstar.4teachers.org/trackstar/> as part of my presentation at NCSM (math supervisor conference) in St. Louis in April. So you were there virtually!

SusanR: 8 to 11 eastern

BjB heads for the Science Resources room

JeffC: Considering the fact that virtual professional development is the theme... it makes sense to do that.

SusanR: Thanks Gail, my pleasure

JeffC heads to Science Resources as well.