

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

**Moderator:** Jeff Cooper

**Title of File:** 20040907mathk20

**Date:** September 7, 2004

Room: After School Online Room

**JeffC:** We can get started, and give detentions to anyone who arrives late.

**GailH:** o O ( we can give them math problems. )

**DavidWe:** Should we take it easy on the first day of school, Mr. Cooper?

**JeffC:** Basically, I'd like to start this by everyone giving introductions, then the hazing of the new students, followed by the word problems. No... never give an inch on the first day David!

**DavidWe** understands the master teaching stylings of Mr. Jeffrey Cooper

**DavidWe** doesn't want to get anyone in Columbus in trouble

**JeffC:** My name is Jeff Cooper, I'm from Berkeley originally, and since I couldn't afford the Bay Area, I moved to Oregon, where I'm now on the verge of starvation anyways.

**GailH:** I am Gail Hoskins in Columbus OH with Eisenhower National Clearinghouse [www.enc.org](http://www.enc.org) . I am a former high school math teacher and K-12 math coordinator.

**JeffC:** I'm not a math teacher, but I play one on the Internet. I facilitate this group to help math educators collaborate and build resources together.

**DavidWe** values Jeff's facilitation skills

**BJ** wonders if Amber introduced herself

**AmberCD:** sorry, had a phone call..

**JeffC** looks to Amber... and reads in her mind that she is planning on a career in elementary education, she currently is a student of Mary's... and likes pudding.

**DavidWe** wonders what kind of pudding Amber likes

**AmberCD:** I am Amber Deatherage, and I am a preservice teacher at the University of Houston.

**DavidWe:** Great last name, Amber

**AmberCD:** WOW! How did you guess?!

**AmberCD** smile

**JeffC:** I've been doing this for some time.

**JeffC:** Amber... to facilitate this meeting I'd like to ask you to join the Math Resources group, since we will move there shortly.

**AmberCD:** Ok..

**JeffC:** To join the group: 1) Click the "Search" tab in the top frame 2) Click the "Groups" subtab 3) Type: Math Resources ...and click the "Find It!" button 4) Click the link to the group 5) Join the group.

**AmberCD:** done

**JeffC:** OK... let's all continue then in the Math Resources room.

Room: Math Resources Room

**AmberCD:** I am very excited to hear what goes on.. I LOVE math!

**JeffC:** Excellent... usually that takes at least 6 minutes to accomplish.

**JeffC:** I love Escher... that's why I like to have the meeting here.

**JeffC:** OK... my agenda for today is to share the resources we have here, especially for the new users, and then to try and set a very loose agenda for the coming school year.

**JeffC:** If you scroll down the top frame, you'll see links to the Public Bookmarks and also to the archives of past meetings.

**DavidWe:** I met Escher

**JeffC:** I'd like everyone to click on the Public Bookmarks first. When there, take a look at the Math links. Those at the top have been added within the past month. I alphabetize them \*after\* this meeting.

**JeffC:** David... tell people here your cool Escher story while they're glancing at the bookmarks.

**DavidWe** doesn't want to interrupt

**JeffC:** It's ok... here's where it gets fun... people can look at the bookmarks at <http://www.mybookmarks.com/public/mathscience> (Amber and Gail, these bookmarks are \*editable\*... so you may add your own, as well as make any corrections). Login: mathscience Password: tappedin

**GailH** . o O ( David must share it sometime! )

**DavidWe** nods

**JeffC:** David... just type in the story in a couple of paragraphs... it's definitely a cool story.

**DavidWe:** I will Gail

**DavidWe:** We lived in England when I was in 3rd grade (2nd "form" in British schools)

**DavidWe:** During the 1967-68 school year we went to Europe a lot in our 1967 dark blue Volvo station wagon that we bought in Sweden

**DavidWe:** Europe's a lot closer when you are in England

**DavidWe** knows this to be true

**DavidWe:** There had been in article about Escher in an issue of Scientific American in 1964, I believe, and I think my father had seen it.

**DavidWe:** We were in Holland, and I'm not sure what reminded him - I'll have to ask, actually, but basically he called Escher on the phone and asked him if we could come over for a visit

**DavidWe** smiles

**GailH** is in awe.

**DavidWe:** He was a very nice older man, with a beard and he showed us his studio. He sold my Dad a print for \$50 or \$100 (some nominal fee) and it is worth a fair bit more today

**JeffC:** That part of the story reminds me of Monty Python, when they visited Sartre.

**DavidWe:** I want to tell people that I saw the woodcut of the "hands drawing hands" (I have a t-shirt) but I can't really tell if I remember that or am just making it up.

**DavidWe:** But I do remember that when we left, it started hailing giant, golf-ball sized hail stones - THAT I remember!

**DavidWe** grins and bows

**DavidWe:** Thank you, thank you.

**JeffC:** That's a great one... the hands drawing hands... you didn't mention that part to me before.

**GailH:** My Woodrow Wilson lead teacher had been Bill Gates' high school math teacher (although he clarifies that he is not saying that he taught him math. But that is nothing next to your story.

**JeffC:** Does your dad have that print framed and hanging in a place of honor?

**JeffC:** Or is it in the basement?

**DavidWe:** Well, it was on the wall for quite a long time, but I think the last time I looked it may have been moved to a less prominent position - it's not in the living room anymore

**DavidWe** will look in the basement to check

**DavidWe:** That's a good story, Gail

**JeffC:** Didn't you say it was something like this one:

[http://www.ilusaohp.hpg.ig.com.br/escher\\_horse.jpg](http://www.ilusaohp.hpg.ig.com.br/escher_horse.jpg) ...a horse tessellation?

**GailH:** Not like yours.

**DavidWe:** well, true

**JeffC** has three Escher's on his wall.

**GailH:** I have a signed frame picture of the weather map for Hurricane Hugo in Charleston in 89 -- which I "experienced."

**GailH:** Signed by Bob Sheets, the NWS person -- they sold them for money raisers.

**JeffC:** OK... maybe we should have a whole session devoted to Escher (which I think would be really cool... maybe in tandem with BJ's Arts Group)... which will be something we can discuss when we get to my Agenda item of determining Agenda items!

**BJ** nods

**DavidWe:** It's just interesting that I ended up doing things with math and math education having met him as a kid

**GailH:** Scroll down here to see it

<http://www.enc.org/features/calendar/unit/0,1819,70,00.shtm>

**JeffC:** Hurricanes would be a good topic for Science forum (certainly now, don'tcha think Gail)... and I think it could be done in Math as well.

**JeffC** . o O ( Cool pic )

**JeffC:** Plotting the course, determining speed, I could see how hurricanes could be developed in a math class, although I'm sure most schools would consider it more of a science domain item. It's things like this where I personally would like to see more collaboration between teachers. Why not build a collaborative unit between the Science and the Math teachers for their students? Gail, that's a great site, lots of resources... (care to add it to the Math/Science public bookmarks ?

**GailH:** I'd rather add ENC's site. (The two on there that say they are ENC are neither one correct.) Can you fix that?

**JeffC:** Right... I remember that you told me that before, and I didn't change them.

Anyone can update links. Just login: mathscience password: tappedin

**JeffC:** I'd like to see actually a folder of links for ENC

**JeffC:** In both the Math and Science folders. Of course it's great to have the ENC link up as a main one (I think I'll add it here btw), but there is so much going on within ENC, that there should be it's own folder for both Math and Science links, what do you think Gail? I can easily create folders at Mybookmarks, then anytime anyone at ENC adds a new page, they can add the link there.

**GailH:** I think there are lots of good ones there, but b/c of how sites change and stuff, in some ways I think it better to link to top level - or at least high levels -- of really good

sites. We have all sorts of software and people all the time working to keep our site's links current, and it is still quite a challenge.

**JeffC:** I bet

**JeffC:** I just created an ENC folder within the Math folder

**GailH:** And url is just [www.enc.org](http://www.enc.org)

**JeffC:** How would you like to describe ENC (in 7 words or less? ;')

**JeffC:** Right... got that...

**JeffC:** Adding the description now.

**GailH:** A K-12 math and science teacher center

**JeffC:** sounds good

**GailH** . o O ( can you tell I've answered that kind of question before?? )

**DavidWe** nods

**GailH:** So if you wanted to see stuff about Escher or hurricanes, you can just put that in search box at top right and get it.

**JeffC:** Good point

**JeffC:** The thing is... so many excellent ENC sites come up, and people really wouldn't know what to search for.

**JeffC:** That's why I'd like to have as many as I could inside the appropriate folders at this public bookmarks site.

**GailH:** But maybe they would, b/c they know what they want.

**GailH:** We do have a browse. For example:

**GailH:** [http://www.enc.org/resources/browse/0,,0-100-294\\_1\\_0-1-0,00.shtm](http://www.enc.org/resources/browse/0,,0-100-294_1_0-1-0,00.shtm)

**BJ** wonders if perhaps Gail would want to schedule another ENC tour?

**GailH** . o O ( that would be a possibility sometime. )

**DavidWe** thinks that would be a FINE idea - but would offer to help

**DavidWe** . o O ( as usual )

**JeffC:** That's true... and you do have \*thousands\* of lessons, etc.

**JeffC** hope Amber comes back.

**GailH:** yes, and we actually have (literally) thousands of those browse pages.

**JeffC:** So... I've just put in the top level domain inside the folder... for now anyways. That will give people an idea that ENC is important, and also give possibilities to add a few for now.

**GailH:** [http://www.enc.org/resources/browse/0,,0-100-294-1109\\_1\\_2-1-0,00.shtm](http://www.enc.org/resources/browse/0,,0-100-294-1109_1_2-1-0,00.shtm) is grade 3-5 web sites about circles

**JeffC:** Which really starts to bring us to the next agenda item... planning for the coming school year.

**JeffC:** I'd like to spend a few minutes each month talking about general issues, but would also like to have some specific meetings regarding guest speakers (like Gail, et al. from ENC)... I think that will help draw people here.

**GailH** . o O ( what about a one time combined math and science event (for these two hours) that would cover both but particularly address collaboration and integration of the two disciplines. )

**JeffC:** beautiful! I like it

**JeffC:** it doesn't have to be one time either Gail... we could do that a few times... especially when you think about lessons that cross both the math and science curricula...

perhaps the first meeting could be overviewing ENC, the second focusing more on teaching across math and science curricula.

**JeffC:** Of course it all depends on how you want to do it.

**GailH:** . o O ( isn't it a pretty variable group -- not too likely that the same folks would be back? )

**JeffC:** One never knows... that's true... but transcripts are always available, and we can proceed with the assumption that people know about ENC... the focus of the second group being teaching across the math/science curricula will hold appeal for many I think... and it won't be necessary for them to have attended the first meeting ... just advised to have read the transcript.

**JeffC:** Gail... do you know about Whyville? Jen Sun is giving a guest presentation on it in fifteen minutes. She's here now in the Science Resources group.

**GailH:** Yes, I know Whyville and will be attending tonight.

**GailH:** <http://www.enc.org/resources/records/full/0,1240,026115,00.shtm>

**JeffC:** Excellent! I look forward to having the two of you meet.

**GailH:** I do too.

**JeffC:** I'd like to continue this meeting in the Science Resource room... since Jen is there now.

**GailH:** OK, I will follow, etc., if I may?

**JeffC:** Absolutely... all may follow (and I hope they do).