

Title of Session: K-12 Math Discussion - ENC

Moderator: Gail Hoskins

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Room: After School Online Room

GailH: I think we should begin by giving a very brief intro.

BJ: I'm an art teacher in Pennsylvania and a math and science wannabe

AntoniaL: My name is Antonia and i am an early childhood education major at the University of Houston. I am interested in grades Pre-k through first.

GailH: My name is Gail Hoskins. I used to be a high school math teacher, but I am now at the Eisenhower National Clearinghouse (ENC) and do K-12 math and science events. I am going to share some ideas from ENC Online which is www.enc.org.

GaleH: I am Gail's silent assistant.

TracyC: I work at ENC with Gail, mostly in developing our web sites and other publications.

SusanR: I am a K to 8 Occasional Teacher in Ottawa, Ontario!

DonnaDB: I taught math for many years and now consult with schools and believe that ENC is a super resource.

GailH: Chris?

ChrisWR: I am a science 10 teacher in Nova Scotia..

BrianPM: I'm a 7th Grade Language Arts Teacher and Technology Mentor in San Jose, CA

DonnaDB: I work with teachers in CT

GailH: This event (this hour) is concentrating on math, and the next on science. But many of the resources I'll share are both.

GailH: I will be showing some web pages, and b/c it can be a bit tricky to go to one and not lose the conversation window, I'd like us to practice on an easy page first.

BJ: If you are new to Tapped In, you might want to click on the actions drop down menu and detach your chat window

GailH: I will say a web address. I ask you to go look at it and position your windows if needed, and then come back here. Just leave the other window open.

BJ . o O (this will make your chat window larger and easier to read)

BJ . o O (sorry, Gail)

GailH: Please go briefly to <http://www.enc.org/conferences/tappedinviewwebpages.htm> and then come back. **GailH** . o O (good idea, **BJ** .)

GailH: Are people OK with this, and can I move along? I'll wait for you to answer.

DonnaDB: OK!

ChrisWR: Good to go:)

TracyC: good!

BrianPM: =)

GailH: OK, ENC's web page is <http://www.enc.org>

AntoniaL: I'm good

SusanR: ok

GailH: I'm going to begin by talking about the kinds of things that are in that top left area.

GailH: Where you see the words, Lessons and Activities, you can go to Math and then choose something like counting.

GailH: Why don't we all go explore ENC in that way.

DonnaDB: All set!

AntoniaL: I'm there

GailH: I am talking now about in that top left (under the heading features), clicking on Lessons & Activities, then math, then counting.

ChrisWR: I'm good..

GailH: I am sharing, for Antonia, and others, the kind of great resources that are findable like this. Number 3 on that page is a site called Numbertime. I am going to--in just a second--share the url of a specific part of that site.

GailH: Try clicking on this

<http://www.bbc.co.uk/schools/numbertime/games/mend.shtml>

GailH: I requires shockwave and all, but I am hoping to show you the kind of neat resources that ENC identifies and provides so many links to that are just wonderful.

AntoniaL: what a cute game!

GailH: There is sound, can you hear?

ChrisWR: never knew about this...wow!

GailH: ENC identifies and features neat sites like this, and we create content ourselves.

GailH: I am about to show you something else, but rest assured, I have a virtual handout that I'll share the url of, that will get you easily and surely back to this and others similar.

SusanR: Neat..

GailH: I am going to talk about another part of the ENC site. It is also in that top right corner. It is called Classroom Calendar, which I will call CC for short.

BrianPM: pretty fun and simple game! great for teaching simple computer skills as well!

GailH: CC had entries (units) that we have created. I am going to give you the url of this month's page. I would like you to briefly go to the Feb. 16 entry about Proportion--spend maybe two minutes, and return.

GailH: Please look at <http://www.enc.org/features/calendar/>

GailH: and then go to the Feb. 16 proportion entry and look around.

GailH: I love the part on that page, about half-way down, about Figure This! Is the Statue of Liberty's Nose Too Long?

ChrisWR: very nice...

GailH: I have a question for you as you return...

GailH: WHY do you think that entry (about proportion) is on the exact day that it is???

GailH: Are you back yet, from looking?

ChrisWR: Yes...why?

DonnaDB: Yes, but I don't know why it's on this particular day.

SusanR: President's Day..

GailH: gives three cheers for Susan.

AntoniaL: presidents day

DonnaDB: Great!

ChrisWR: gotcha...

BJ: oh, no...a Canadian gave the answer!

BJ blushes furiously

GailH: There are lots of entries on the Classroom Calendar.

ChrisWR: very nice...

GailH: there is a CC page that lists them in an easy to find way too.

GailH: <http://www.enc.org/features/calendar/category/>

GailH: How about <http://www.enc.org/features/calendar/unit/0,1819,34,00.shtm> ? Do you know why it is where it is placed?

AntoniaL: so these sites feature information and lessons?

AntoniaL: 3.14 is PI

GailH: Antonia, yes. And carefully selected ones. And there is a place on most that tells how they match the math and science standards.

DonnaDB: March 14 is Pi day

GailH: o O (who will cheer for Antonia.)

GailH: And Donna?

SusanR: I love this feature

GailH: ENC puts a new "piece" online every week.

DonnaDB: It is neat ... and I'm always fascinated by the topics for a particular day.

GailH: It is called our Focus, and then 6 times a year, we have a print companion that highlights them.

DonnaDB: Do you put a new CC up each week?

AntoniaL: what is a print companion?

GailH: We add about three or so CC's a month. But the year is a perpetual calendar, so you can always get to all of them.

ChrisWR: Do you have this material available on a CD?

TracyC: it's our magazine that goes along with the web site, Antonia.

GailH: A print companion is a smallish (16 pages or so) print magazine that highlights them.

GailH: <http://www.enc.org/features/focus/> is the MAIN Focus page.

TracyC: Chris, we put out occasional CDs, but our whole web site is not available on a CD.

TracyC: We haven't so far done any with CC or Focus

GailH: <http://www.enc.org/features/focus/archive/> lists all the past ones, and I am about to show you a couple of my favorites.

ChrisWR: I figured that, just wanted to know about the links and the sites that you personally do a an org. I am very impressed...

GailH: Let's look at

<http://www.enc.org/features/focus/archive/webquests/>

GailH: I mentioned I wanted to show math and science in this hour, and this is a perfect example.

AntoniaL: I learned about these in my technology class

GailH: Who can explain what a webquest is (briefly).

GailH: Antonia?

GailH: Antonia, sorry for the typing.

AntoniaL: It's where children can look through sites to find particular information

AntoniaL: They follow certain guidelines

DonnaDB: I remember reading that Bernie Dodge says that a webquest is a good lesson using the internet for resources

BJ: WQ's promote higher order thinking skills through synthesis and analysis

GailH: Thanks. And one thing you can be assured of when you are at ENC Online (www.enc.org) is that we are very careful to select only really high quality of whatever we are talking about to have on our site.

GailH: I know that Antonia is preparing to be a K or first grade teacher.

GailH: Can we all look at this Focus?

<http://www.enc.org/features/focus/archive/youngmath/>

ChrisWR: Very nice site...

TracyC: Thanks, Chris!

ChrisWR: These can be adapted to high school too...

GailH: I want to share another Focus, but before I do it, I want to ask you guys to perform a little exercise.

GailH: Is that OK with everyone??

AntoniaL: I just learned in my math methods class to let children answer problems in the way they are most comfortable

AntoniaL: sure!

DonnaDB: yes!

GailH: Antonia, that is a very important technique you are learning.

GailH: I am going to show a page. The directions ask you to decide "which two...."

GailH: Please look at

http://www.enc.org/features/focus/archive/content/document.shtm?input=FOC-002876-index_no_answer and think about it and tell us anything you can about them, even if you can't narrow it to two.

GailH: Any thoughts?

AntoniaL: is it seven and one?

GailH: has good wait-time skills.

GailH: Anyone else?

AntoniaL: Most of these statements are common understandings of many people

GailH: understanding and/or mis-understanding or misconceptions, right?

AntoniaL: right

GailH: Here is another "version" of that page

<http://www.enc.org/features/focus/archive/content/document.shtm?input=FOC-002876-index>

GailH: And this whole idea of misconceptions is what is talked about in another of our Focus issues...

BJ: guesses 3 and 8 are correct

GailH: That other page is at

<http://www.enc.org/features/focus/archive/misconceptions/>

AntoniaL: I've always worried about giving students false information just because I thought I was correct

GailH: Then you may find that last webpage I gave you very helpful.

GailH: Your concern is a healthy one, but having that concern is the first step toward increasing the "correctness" of what you tell children.

ChrisWR: All of this material is offered through your site?

GailH: Tracy, can you please share the "answer" to my activity?

TracyC: 7 and 10 can be correct.

GailH: Chris, all of this is "on" our site, and you can use it.

BJ: arghh...not even close!

ChrisWR: Very nice...thank you..

GailH: An important thing to take advantage of, b/c there is so much on our site, and stuff is added all the time....

BJ sighs and slinks back to her art room

GailH . o O (we should all say Good Try for BJ, right? :)

AntoniaL: good job, BJ!

ChrisWR: Good job:)

BrianPM: lol...

SusanR . o O (activity for an intro to a science class)

GailH: Because there is so much, we invite users to register and get weekly or monthly updates from ENC. You can do that at <http://www.enc.org/register/>

GailH: Susan, do you mean what we just looked at is a good intro, or you are looking for another.

SusanR . o O (great activity or warmup for a science class)

SusanR: I am still on the misconceptions

GailH: Can someone tell me how many days are "typically" in the school year?

ChrisWR: 195 for me...

AntoniaL: 180 something?

SusanR: I meant that The Misconceptions Activity is a wonderful warmup for the beginning of a Science Class

DonnaDB: 185 for us

GailH: OK, so 180 - 195. And, in a typical late August beginning, when would the 100th day of school show up?

SusanR: 180 or 185 for us

AntoniaL: I know we just celebrated the 100th school day not too long ago

GailH: How did you celebrate it?

SusanR: February

AntoniaL: I observed at an elementary school and they counted 100 things, and this man named "zero the hero" came.

GailH: It usually hits late January or early February. Take a look at this Classroom Calendar page. <http://www.enc.org/features/calendar/unit/0,1819,105,00.shtm>

AntoniaL: He talked with students about zero's and place value

TracyC: What a great superhero!

AntoniaL: The whole school counted to 100 during the morning announcements

GailH: I love that hero too. And here is a resource (from a Focus awhile back) about first graders "deciding" that zero is the middle number.

<http://www.enc.org/features/focus/archive/literacy/document.shtm?input=FOC-002071-index>

GailH: Did you celebrate Dozen Day on 12/12 ? Here is info about ideas for it:

<http://www.enc.org/features/calendar/unit/0,1819,246,00.shtm>

GailH: I want to share ONE url that has sort of the main things (and more) of what I tried to show you tonight.

GailH: <http://www.enc.org/conferences/tappedinwinter2004.htm> is that page.

AntoniaL: I never thought about dozen day!

SusanR: I like the idea of celebrating 12/12

GailH: I share it now, not b/c I am stopping, but to make sure anyone who needs to run has it.

GailH: When do you think Powers of Ten Day might be???

DonnaDB: Many thanks ... this is great!

GailH: is always pleased to have Donna join her!

AntoniaL: I was wondering how you memorized all those websites!

SusanR: 10/10

DonnaDB: And it is a pleasure to join you again.

GailH: <http://www.enc.org/features/calendar/unit/0,1819,213,00.shtm> is on 10/10 for Powers of Ten Day

GailH: One of the resources there is the MegaPenny Project.

GailH: I am going to show you the Empire State Building made of pennies, may I?

GailH: <http://www.kokogiak.com/megapenny/fifteen.asp> is that.

GailH: You can see how many pennies a thousand or a million or a quintillion is.

AntoniaL: that is great information that kids will love!

GailH: I know that some of you will be leaving as this hour ends, and some will stay, and others will join us. I hope you will all want to get ENC Updates and the print Focus -- and that you do so by going to <http://www.enc.org/register> to do that sometime.

DonnaDB: The ENC Updates are very helpful.

GailH: I am always willing to help you use ENC or share what you learned about www.enc.org with others. Feel free to contact me at ghoskins@enc.org

BJ: Thanks, Gail. I think you made a few new fans tonight!

AntoniaL: thanks for all the valuable information, Gail. I know this will come in handy when I begin my teaching career.

GailH: A new one recently arrived to subscribers of record. It features a professional development activity about homework.

GailH: Glad you could join us, Antonia, and all.

TracyC: waves to all.

DonnaDB: Thanks so much Gail.

BJ: Thanks, Tracy, for your help too.

GailH: waves to those who are leaving, and invites you to stick around for more if you wish.

TracyC: Sure! Tapped in is always fun.

DonnaDB: Thanks, Gail and Tracy. I must go now. Will be in touch.

SusanR: Thanks, lots of useful resources

GailH: Thanks, Donna and Susan.

TracyC: Bye, Donna. thanks to all for coming.

ChrisWR: Very informative...thank you sooo much...eh! From Canada:)