

Title of Session: Math Resources K-20+

Moderator: Jeff Cooper

Title of File: 20090901math

Date: September 1, 2009

Room: Math Resources Group

JeffC: welcome to Math Resources Ashley and Lorena.

JeffC: let's start with some intros...

AshleyMS: thanks

JeffC: tell us a bit about yourselves, what brings you here today, etc.

AnaR joined the room.

JeffC waves to Ana

BjB: welcome, Ana. Just starting intros

AnaR: Hello everyone!!

JeffC: just in time, Ana... we're just starting intros... uh... yeah... like **BjB** said!

AnaR: Just got home from work!!

AshleyMS: well, I entered my global learning class late and my professor suggested for me to log in today just to get the feel of chatting on Tapped In

BjB: I'm a retired art and communication teacher located in Pennsylvania

JeffC: cool... how was your senatorial meeting?

AnaR: Long...but interesting!!

AnaR: Wow BjB...Pennsylvania

JeffC: I've been in education since 1991... mostly as an English/ESL teacher at Richmond High in California (<http://snurl.com/netc1> for more). I've been an edtech specialist for a local college and been a single dad for 6 years... just now getting the house together! I'm in Forest Grove Oregon and facilitate this group... but I'm not a math teacher. My goal is to get the year started and members posting to Discussion and bringing in guest speakers.

JeffC: tip #1: hold the Ctrl key down when clicking links in chat.

JeffC: or accept popups from this site... otherwise your popup blocker will log you out.

AshleyMS: oh ok

JeffC: Ana and Lorena... tell us about yourselves.

JeffC: then we'll get started.

AnaR: typing..

AshleyMS: well I am majoring in early childhood education EC-6

LorenaVP: I work with the Head Start Program and am working on my masters in early childhood

JeffC: excellent Ashley

AshleyMS: I am currently a junior at Texas A & M University Kingsville

JeffC: we'll be sure to take you to the K-3 Resources room then at some point.

JeffC: that's a group you'll definitely want to join.

AnaR: I teach at Texas A&M University - Kingsville... Love it!! I'm originally from Puerto Rico... and missing it!!

AnaR: Hello Ashley!!!

AnaR: Glad you could make it!!!

JeffC: Ana also has inservice and preservice teachers that she's created classrooms here at Tapped in for.

AshleyMS: Hi Dr. Rod

JeffC: so we have a prof, a student, and a good "head start."

AnaR: Yes... Jeff... I included the link in my office!!! THEY WILL LOVE IT!!!

AshleyMS: Yeah I was wondering from where you were originally from from the accent you have

JeffC: obviously the focus for today's group will be on math and ECE

JeffC: lol Ashley!

AshleyMS: can I be honest?

JeffC: absolutely

AnaR: Oh..

AshleyMS: Math is not my forte

AnaR: I have students telling me I have accent in TEXT CHAT...

AnaR: I do

AnaR: Math and ECE... great!!!

BjB smiles

JeffC: that's ok... I doubt you'll have to do a lot of calculus teaching kinder through 6... but... here's the trick... I'm going to show you sites that will help both you and them.

JeffC: you might end up with really precocious kids who can go at a super pace.

AshleyMS: ok that sounds good

JeffC: personally I think that math education, especially at the younger grades, needs to start being individualized as well as group focused.

CelinaAA joined the room.

JeffC: there's too much "open to page one and let's go from there" with everyone pretty much on the same track.

AnaR: Celina Amaya???

AshleyMS: I agree

JeffC: that's a broad generalization I know...

CelinaAA: yes

JeffC: Celina... please introduce yourself.

AnaR: You did it!!!

AnaR: Congratulations!!

JeffC: We're pretty much going to focus on math and ECE

BjB: Here's a url for an interesting Number Sense article I saw today... <http://sn.im/numbersense>

CelinaAA: finally thank you for the help

JeffC: and I facilitate this group, but this can be an open discussion as we go.

JeffC: hold the Ctrl key down when clicking

JeffC: or accept popups from this site (best)

JeffC: otherwise your popup blocker will log you out.

AnaR: Celina... click ACTIONS... then SELECT DETACH...

JeffC: Tip #2: click the Actions menu: Detach

JeffC: . o O (darn! Ana beat me to it!)

JeffC: you can then maximize your chat window.

CelinaAA: oh much better

JeffC: I'll refer back to the main window occasionally, but don't sweat it.

JeffC: you may also click Actions-- Larger Text

JeffC: so... as Celine intros herself, have a look at **BjB**'s site:
<http://snurl.com/numbersense>

JeffC: all links will be in your transcripts.

AshleyMS: oh ok

AshleyMS: well I just opened the article

BjB: if ctrl doesn't work, try the shift key when you click on the url

JeffC: tip #3: if you haven't joined this group yet please do... just click the little "i" in the green circle in the top frame (i.e. the main window if you've Detached chat), then the link to "join this group."

BjB: <http://sn.im/numbersense>

AshleyMS: ..about number sense

JeffC: yes

CelinaAA: taking awhile but could be the rain

AnaR: Hello Lorena!!

LorenaVP: hi

JeffC: good article

JeffC: what do others think? remember... I'm not a math pro... but I do have pretty good number sense. I'm not sure what percentage is innate or upbringing... my dad used to drill me on multiplication in 2nd grade.

BjB . o O (that was especially for Ashley)

AshleyMS: yeah quite interesting, never thought of that, I guess as a child we use math without even noticing?

AnaR: It's very interesting!!!

BjB: probably....he got more candy than I did! :-)

AshleyMS: well yeah my mom would do the same,

AnaR: Since scholars agree that most of what we teach in schools today is not NATURAL...

CelinaAA: I never thought I'd use math as much as I do today

AnaR: Not needed from ancient times..

AshleyMS: true I agree with Celina

AnaR: Except for number sense..

AnaR: Well...

AnaR: You'll see in the course... that even Algebra...

AnaR: has its basic principles in kindergarten...

JeffC: we have so many more ways to teach math (especially online and

individualized)... but my experience (at least with my local schools) is that districts buy into "individualized drill and kill" math software that doesn't really give students a different (non-repetitive) way to learn algorithms, problem solving and concepts.

AnaR: If we teach it well in Early Childhood... they have a greater possibility of getting right in the upper grades...

CelinaAA: I agree

AshleyMS: very true

JeffC: what I'd like to see here are innovative ways (and sites) for teachers to develop "mathsense"... if that's indeed possible... and I think it is.

AnaR: Yes... The way we are teaching is not Natural.

JeffC: the question is Ana, and you're the expert: How do you teach it well?

AnaR: It's really not that hard...

AnaR: The problem is...

AnaR: that we try to hard to build a concept from scratch...

JeffC: and... do you mind if I hand the podium over to you for a few (10-15 minutes) so I can deal with kids and house issue?

AnaR: instead of from what the student already knows...

AnaR: Not fair!!

AnaR: Kidding...

JeffC: how about getting them to think about things they *don't* know (like say... younger kids who like baseball... how batting averages are done, etc.).

AnaR: The key...

AnaR: is to be very aware of what our children bring...

JeffC: I can stay

AnaR: I was kidding Jeff...

JeffC: ok cool... BJB and others feel free to chime in... I'll be back soon.

JeffC: thanks Ana!

JeffC: afk

AnaR: What is it that they already know..

AnaR: What have been their experiences...

AnaR: And use them as a starting point...

AshleyMS: can I say something

AnaR: Of course...

AnaR: Spot light on you..

AnaR :)

AshleyMS: ok well you know we need to teach well in order for our students to learn effectively right?

AshleyMS: well for example...

AshleyMS: when I was in school especially high school, I had difficulty comprehending the material because when I was younger teachers had to go by the curriculum which didn't allow them to use different teaching techniques

AshleyMS: so sometimes math was not so fun I guess you can say

AshleyMS: so teachers sometimes don't have the opportunity to "teach well"

AshleyMS: does that make sense?

AnaR: What do you think, girls?

CelinaAA: hmm

CelinaAA: I think we need to be creative in how we teach

AnaR: I think it doesn't matter the subject..

AshleyMS: exactly

LorenaVP: I agree with Celina

AnaR: we can actually go around it and make it interesting..

AnaR: We have standards to reach... objectives to attain..

AnaR: But one thing it's highly valued today...

AshleyMS: I mean for about eight years ..we focused on TAKS

AnaR: Yes...

AnaR: I think even the TAKS can be covered in very interesting ways...

AnaR: Here is what I think... though...

AnaR: I agree of what you say Ashley...

AnaR: At the same time...

AnaR: I think we can cover the TAKS in ways that are easier for the kids to grasp...

AshleyMS: very true I agree

AnaR: Through authentic learning experiences..

AnaR: Authentic applications of the material...

AnaR: Making it as real as possible...

AnaR: When we do this...

AnaR: while linking it to our students..

AnaR: learning becomes meaningful...

AnaR: and we help students making connections...

AnaR: CONSTRUCT KNOWLEDGE

AnaR: Instead of just trying to learn a skill in a vacuum!!!

AshleyMS: yes

AnaR: We have some with teaching experience here...

AshleyMS: I agree with every word

AnaR: Would love to hear what you think!!

AnaR :)

AnaR: Sometimes... we try to pass so much information (excuse me on this one time)...

AnaR: That we forget how to REALLY facilitate learning...

AnaR: True learning..

AnaR: through discovery learning...

AnaR: through inquiry learning...

AnaR: through exploration...

AshleyMS: Well I do not have teaching experience :) but I was in a program where I would go to elementary school to teach kids how to read

AnaR: through play...

AnaR: And then... we can help them relate these real experiences with specific concepts and skills we would like them to learn.

AshleyMS: yeah I think kids will be thrilled to learn when we can use more than one teaching method

AnaR: Great Ashley!!!!

AnaR: One very important thing...

AshleyMS: yes

AnaR: Sometimes our students will not bring a set of basic experiences... to form a strong foundation in learning...

AnaR: So that is when we have to provide these experiences...

AnaR: At the same time.. what we are doing...

AshleyMS: true, that's where we come in

AnaR: is creating a common experience in the classroom... from which to build the concepts and skills we will be "teaching"

AnaR: Let me give you a very simple example...

CelinaAA: like relating to students

AnaR: Yes... Celina!!1

CelinaAA: yes relating to students on similar experiences can be a useful tool

AshleyMS: I agree with you Celina

AnaR: I can tell you if you base your experience from what the student knows and have experienced.... YOU WILL SUCCEED!!!!

AshleyMS: that helps students be comfortable when learning and they learn to trust you

AnaR: Yes!!!

CelinaAA: very true

LorenaVP: agree

AnaR: And sometimes we'll have to create a common basic experience in our group...

AnaR: For example...

AnaR: in teaching about sizes...

AnaR: Instead of US starting by presenting the objects of different sizes...

AnaR: Why not have them play for a while... with blocks of different sizes.. .

AshleyMS: hands on learning you mean

AnaR: Ask them what they are doing.. .why... why they choose certain blocks...

AnaR: etc...

AnaR: They can share with the group..

LorenaVP: I see a lot of children that enter the classroom with no basic experiences but leaving with much to talk aboutexactly how Dr Rodriguez states

AnaR: and they we can reach conclusions from the common experience..

CelinaAA: that's a good focus

AnaR: Not just hands on learning...

AnaR: Here is the thing...

AnaR: Provide more experience...

AnaR: and help them learn...

MiguelB joined the room.

AnaR: Authentic experiences.

BjB waves hi to Miguel.

AshleyMS: I see

MiguelB: Hi Bj again

AnaR: Hello Miguel.

MiguelB: Hello Ana

MiguelB: Hello Jeff

BjB: Mike, why don't you introduce yourself to the group

AnaR: Read my mind.

BjB: Ana is a uni. teacher and has been bringing in her students

MiguelB: Hi, I am Mike a retired math teacher who just went back to work

AnaR: WOW!!!

AshleyMS: cool nice to meet you Miguel

MiguelB: I teach at a Catholic school and at a community college

MiguelB: nice to meet you all

AnaR: Great!!! What grade?

MiguelB: 6 7 8 math

AshleyMS: wow!

AnaR: Oh... wow!!!

AnaR: Bj...

AnaR: I think it would be wonderful to hear a little of Miguel's experience.

MiguelB: Oh oh

BjB . o O (Mike is also in Texas)

AnaR: Awesome!!!

AshleyMS: yes, please

AnaR: Miguel... we are in Early Childhood education.

BjB hands the virtual floor over to Mike.

MiguelB: I have just retired after teaching for 24 years mostly at the high school and community college level

AnaR: So your experience will certainly be very enlightening!!

MiguelB: What is the topic?

AnaR: Math Instruction... How to teach it well!!!

AnaR: If I'm not mistaken...

BjB : we were talking about making the instruction run the tests, not the other way around

AshleyMS: no you are right

MiguelB: well that depends on the students you have in mind

JeffC: back

MiguelB: welcome back Jeff

MiguelB: Are you working with special needs students or a group of both?

JeffC: I'll look at the transcript later... first... we're wrapping up in 10 minutes and I want to shift focus in a bit.

MiguelB: Okay Jeff shoot

JeffC: go ahead and continue your conversation though

JeffC: I'll intersplice some stuff... then we'll move rooms. be sure to "join this group" by clicking the "i" in the Welcome box in the main window, then the link to join this group.

JeffC: we'll finish up in K-12 Resources.

MiguelB: At the schools I worked at, I had a combination of both so needed to prepare lessons for those who needed extra help

JeffC: I'd like to get guest speakers, people posting to Discussion (which is why you need to join) and collaboration between math (and science teachers) during the upcoming year.

MiguelB: I used the computer and hands on activities to make the lessons more memorable

CelinaAA: I love powerpoint

AshleyMS: that's how I would like to teach, authentic learning like Dr. Rod says and hands on

MiguelB: Like when I taught Parallel lines and a transversal

AshleyMS: yeah powerpoint is great, I would use it for more upper levels though

MiguelB: I created the picture using three yard sticks

JeffC: Ashley... I had my daughter's 2nd grade class create powerpoints on the solar system.

JeffC: it's part of my tour of the K-12 Campus on Saturday... it's all how you facilitate and support.

CelinaAA: well have you ever been to animation factory they have all kinds of animations to put into powerpoints that really catch kids attention

AshleyMS: really?

MiguelB: Then I used the acronym FUZ to teach the kids about corresponding angles, interior angles on the same side and alternate interior angles

AshleyMS: wow that is pretty awesome

AnaR: MMM... not sure what we are doing...

JeffC: I'm going to make a quick stop to K-3 resources

JeffC: to facilitate others joining that group

JeffC: then I'm heading to the Science Resources room... which will be next.

JeffC: that group meeting starts at 5... and I don't think I'll need to run any errands!
(hopefully)

MiguelB: great

JeffC: thanks again Ana for taking over... we really need to get more input from the members of this group, through Discussion and participating in the monthly chat.

MiguelB: don't know if I can hang around am running in and out every 30 minutes

JeffC: any ideas on that... feel free.

JeffC: thanks for coming everyone... this next stop is to give you many more K-3 math
(and other) resources.

AshleyMS: thank you and thanks for the great ideas jeff and Dr. Rod

BjB nods to Megan.

BjB: everyone type /join **JeffC** in this chat window

MeganC: ok on to science

MiguelB: au revoir

BjB: you'll all want to see the K-3 resources

BjB hugs Mike.

BjB: take care

MiguelB: tc...GBu

CelinaAA left the room.

AshleyMS: take care you all and have a wonderful evening