

Title of Session: Science Resources k-20+

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JeffC: Hi everyone... if we could start with introductions. If you're looking for particular resources for science let us know... and... also if you have something to share, so we can give you time.

JeffC: I'm Jeff Cooper on Tapped In Helpdesk and facilitate this group. I'm going to talk a bit about my son today, because he's entering the Intel Science Fair Project.

SherylM: Cool!

JaniceRo: oh Nice!

JeffC: Well... I'm not going to talk *that long* about him... so let me know what's on everyone else's mind/agenda/harddrive.

SherylM: Sheryl McCoy, K-12 teacher/professional development provider. I have a daughter in High School, and I live in SE KS.

KyleGst2: I'm Kyle, a Science teacher in Toronto just by to check things out.

SherylM: glad you did ;D

MaureenB: 4th grade Putnam County NY

JaniceRo: I'm Janice, I teach 1st grade, San Diego and just checking things out as well

SusanR: I live in Canada. I am a sub. I offer the K to 3+ Great Resources sessions. See calendar

KyleGst2: Ok Susan, I'll take a look. Thanks.

SherylM: Here is my science blog. <http://neochonetes.blogspot.com/>

JeffC: cool Sheryl, thanks!

SherylM: How did you find out about Tapped In

KyleGst2: I ran across it in my rss feed today from a post on classroom2.0

SherylM : great!

JeffC has to remember to spend more quality ning time.

JeffC: Add me as a friend there if you like, Kyle.

SherylM good idea

JeffC: OK... let me give you 5-10 minutes about my son, Liam.

SherylM : me too; n2teaching on CR2.0

JeffC: oh... I'm jbcops at CR2

JaniceRo: This was a suggested site from an online class I'm taking through Cal State san Marcos

JeffC: He and his friend Graham are doing a project together for Intel's Science Fair. Here's the general site for everyone: <http://sciserv.org/isef/primer/index.asp>

JeffC: Katherine Hayden, Janice?

JaniceRo: no...Stacey Campo

MaureenB . o O (now you having me joining something else CR2.0)

JeffC: ah... ok.

JaniceRo smiles

JeffC: Here's the specific Expo they'll be presenting at: <http://www.nwse.org/>

SherylM: You will like it, BUT it is not as synchronous as TappedIN

JeffC: I'm actually really proud of the project the two of them are doing. They decided to experiment and see how cold water affects currents, or if it does.

JeffC: their project involved creating a salt water solution to emulate the ocean, and using ice (ostensibly to emulate icebergs, although I suggested using the snowballs my two other kids have in the freezer), they wanted to see how current flows differently, or indeed if it does at all.

SherylM: think: I used to log myself out all the time ;D

JeffC: I don't have his material online at all yet, but plan to.

SherylM: Are they supposed to have a website also?

JaniceRo: wow! that sounds really neat!

JeffC: they concluded that indeed it does.

MaureenB: what a great project

JeffC: and... as I'm suggesting to him... he could easily turn that into a global project based learning assignment.

SusanR . o O (wonderful project)

MaureenB: did they come up with results and a conclusion yet

JeffC: which will be the next step after the science fair is over (in conjunction with his science teacher). yes... I don't have the data, but the results are that cold water will affect current flow.

SherylM: goodness

JeffC: so yeah... obviously there are some much larger ramifications to their small project.

MaureenB: not looking forward to "A Day after Tomorrow"

SherylM: Yes, and he could extend that experiment w/ various concentrations of salt; another way to go with CO₂ and water temperature

JeffC: I look forward to helping him set it up... although he just found out that the project will be during an off day for school (grading period), so he's kinda po'ed about that!

SherylM: heehee! all in the name of science; he will have fun

JeffC: When I get more from him I'll put it online back to this room and anyone who is a member will get the results.

SherylM: that would be great; I would like to share information about this w/area teachers

JaniceRo: I would love to see it!

JeffC: ok... I've taken up more than the 10 minutes I wanted to talk about this... now... what about everyone else? one thing I would like to see is more collaboration on experiments, science fairs, etc., utilizing Tapped In (and other online tools). is anyone interested in having that happen?

SherylM: I have questions.

JeffC: or would anyone like to share a lesson, idea, etc., or is looking for help or resources on anything?

JeffC: go for it Sheryl

SherylM: How did your son go about doing this Intel Sci Fair?

SherylM: I guess the fairs are there in your area.

JeffC: he worked with his partner at home, and they spent quite a few hours after school under the tutelage of their science teacher.

SherylM: Do they have to make a presentation now, or just answer questions for the judges?

SherylM: more than their display

JeffC: I don't think they're making one at school... just at the science fair... the info for that is on the website. but I think they should do more with it... putting it online, doing their experiment in class and going over it, etc.

JeffC: and like I said... I'd like to see him go global with it, but I think we'll have to wait and see what the judges think, then maybe revamp, improve, etc. based on input. I'll tell him about the CO2 suggestion.

SherylM: They could turn this into a ThinkQuest web project and get kids from other countries to replicate their experiment. ThinkQuest is cool

SherylM: for next year

SherylM: Kyle, do you have a Science Fair at your school or in your area?

JeffC: good idea Sheryl, I'll suggest that to him.

SusanR joined the room.

JeffC: is anyone else doing science fair with their students?

SherylM: Ooh! ThinkQuest! That reminds me. They always need science judges. I have enjoyed it. There is a short form to fill out. Here is the website: <http://thinkquest.org/>

SherylM: Jeff, you would be a great TQ judge!

JeffC: lol... well... if they got me drunk first I suppose!

JeffC: here are a couple science fair links... first... for grades 3-6:

<http://www.isd77.k12.mn.us/resources/cf/welcome.html>

SherylM: heehee

JeffC: here's one for a virtual science fair: <http://www.virtualsciencefair.org/>

SherylM: I remember the 1 hundred or so times I logged on and things didn't work right.

SherylM: when I first joined

JeffC: to thinkquest or somewhere else?

SherylM: Tapped In, I left that off ;D

SherylM: I would get lost; I still try to double click on someone's name to get in the room they are in. HeeHee

JeffC: ah

SherylM: This virtualsciencefair looks cool

JeffC nods

SusanR: indeed it does

SusanR: a Canadian site eh

SherylM: yes ;D

JeffC . o O (there's some good stuff up north!)

SherylM: That MN school is doing a great job of finishing the Scientific Method; most people skip telling the results and encouraging replication

SherylM . o O (so true)

SherylM . o O (on the coast too)

SherylM: science isn't just about sound bites;

JeffC: Well... we lost Kyle... and I think Maureen and Janice might be multitasking... I'd like to hear from them what they'd like support with regarding science resources, etc.

SherylM : Here

SherylM : I want to share this network with you. It actually is very good. It is here in KS:
<http://pathfinderscience.net/>

SherylM : lots of online, ongoing projects

JaniceRo : Hehe...I'm here.

JeffC : lotsa great stuff in Kansas! ALTEC is located there.

SherylM : Yah! It's just that the districts won't pick this stuff up and use it.

JeffC : Hi Janice! Could you tell us what sort of support you'd like in the realm of science (or anything else for that matter)?

JaniceRo : Just reading what you guys have to say about science fair projects and resources.

JeffC : ok

JaniceRo : Hmm...well, I work at a private school and we are currently reviewing our curriculum in science so it's been kind of hectic looking through science curriculums that will work best for us

JeffC . o O (lots of projects on that Pathfinder site, Sheryl!)

JeffC nods to Janice

JeffC : do your students have much online access?

JaniceRo : I'm evaluating plenty (about 2-3) curriculums at the moment and it's hard to choose

JaniceRo : well, I have 6-7 year olds so....not in class, but at home they do

JaniceRo : I do have Mad Science come in (anyone familiar with that?)

JaniceRo : and I have a Smartboard that I incorporate with many of our lessons

JaniceRo : Other than that I was actually going to see what curriculum you all would recommend in the 1st grade level

JeffC : ok... well... for starters I would recommend seeing what Susan has in her K-3 Resources room.

SusanR: follow me

SusanR: if you wish

SusanR: at the end of the session

JaniceRo: sure!

JaniceRo: were you the one I chatted with last time?

JaniceRo: It may have been for math though

SusanR: check this one out <http://www.sasked.gov.sk.ca/docs/elemsci/gr1tcesc.html>

JaniceRo: Sorry....I don't remember...

JeffC: Here are a few links for you Janice:
<http://www.apples4theteacher.com/science.html>

JaniceRo: thank you!

JeffC: http://www.okaloosa.k12.fl.us/bobsikes/student_frame.htm#stuscience

JeffC: one more: <http://sqooltools.com/freeworkshops/sciencegles.htm>

JaniceRo: excellent!

JeffC: basically I really think that 1st graders should be having fun no matter what the subject area is.... so... I like games, etc. if they integrate with the curriculum.

JaniceRo: I appreciate all the resources I can get

JaniceRo: of course! I definitely agree with that

JaniceRo: I try to make it as fun and hands-on as possible

JeffC: cool

SherylM: Janice, if you don't have computers in the classroom, you can take one and add this to make any flat surface into a whiteboard...with a Wii remote and a projector:
<http://www.cs.cmu.edu/~johnny/projects/wii/>

MaureenB: our 1st grade did solids and liquids by making pancakes and chocolate covered pretzels

SherylM: great idea

JaniceRo: oh NEAT!!!

MaureenB: Sheryl I read the comments and it is not as easy to do as it sounds

JaniceRo: we just finished our unit on solids and liquids, but I know it wouldn't hurt to go back with that idea

MaureenB: unless hubby or boyfriend have some electrical knowledge

SherylM: make a polymer when you make play dough and borax/glue sillyputty

JaniceRo: oh we made that!

SherylM: play dough can be flour and water

JaniceRo: they LOVED it

SherylM: that is a polymer

JeffC: before I forget, here's the homepage of World Science... a listserv I'm on:
<http://www.world-science.net/>

MaureenB: I made sure I shamed them into sending up samples to me since I am the building science coordinator :)

SherylM . o O (and so they should!)

MaureenB . o O (I thought so)

JaniceRo: Thank you! I appreciate you giving me many different resources. I know I had to bring down our conversations since it seems as though everyone else is in the wayyy upper grades than I am

JeffC: nah

MaureenB: but it is there that they get excited about science

SherylM: it's OK, Science is cool; I also taught Kindergarten

JaniceRo: yes, it's true

SusanR: Do drop into the K to 3 Resource Room for primary grade ideas and resources

JeffC: if you have a big space to project... show them some pictures from the Hubble telescope some time... lotsa galaxies out there!

JaniceRo: oh...will do!

JaniceRo: Oh! That sounds neat! I've shown them Google Earth and are absolutely amazed with that

BJB2: also visit the NASA resource room in the K-12 Student Campus

JeffC: and because of NCLB, science gets really short shrift in the lower elementary grades (with all the emphasis on reading and math)... sooooo... one other recommendation for you Janice is to teach across the science/math and science/language arts curricula.

MaureenB: I piloted maps from NASA in my classroom

JaniceRo: oh, I definitely do all I can to do cross-curriculum activities

MaureenB: After the pilot program they should have lessons and activities for all grade levels

MaureenB: on their site

JaniceRo: oh! how did the NASA maps go? did the kids like it?

MaureenB: it was social studies and science related

JeffC: powers of 10 is also a lot of fun:

<http://micro.magnet.fsu.edu/primer/java/scienceopticsu/powersof10/>

SusanR: Bill Nye has some great home demos in pdf format

<http://www.billnye.com/homedemos/homedemo29.pdf>

JeffC: one sec and I'll create a redirect for that.

SherylM: Sun Earth Day coming up: <http://sunearthday.gsfc.nasa.gov/2008/index.php>

BJB2: The next Science Resources K-20 will be on April 8

SusanR: Thanks all

MaureenB: I just had two areas. New England and Florida. It really showed the students why people lived and worked near water

JeffC: <http://snurl.com/powersoften> [micro_magnet_fsu_edu]

SherylM: good to talk w/all

JaniceRo: yes. thanks everyone!

MaureenB: nite all now time to check on the primaries

BJB2 waves goodnight. Thanks, Jeff and everyone for your participation

JaniceRo: good night!