

Title of Session: Science Resources K-20

Moderator: Jeff Cooper

Guest Speaker: Pat Viele

Title of File: 20090303sciencePatV

Date: March 3, 2009

Room: Science Resources Group

JeffC: Before I give the floor to Pat, could everyone please introduce themselves?

BJB2: I'm a retired teacher in Pennsylvania

JeffC: Tell us a bit about yourselves... where you're from, what you teach, what kind of help you're looking for, etc.

HannaW: My name is Hanna, and I am from Texas. I am currently teaching in a kindergarten classroom.

KumariH: I am an elementary school teacher in a dual immersion school.

HannaW: I am looking for more online science resources that I could use in the classroom.

JessicaSa: My name is Jessica. I currently an intern in 3rd grade bilingual classroom. I attend the University of Houston.

KumariH: My school is in central California - we teach in Spanish and in English.

JeffC: As everyone is introducing themselves, please feel free to join this group by scrolling down the top frame and at the end of the "Welcome to Science Resources K-20+" box, click the little "i" in the green circle next to the link for this group, then click the link to "join this group"... then click the "Room View" button to return to the Welcome screen.

JeffC: After that, feel free to detach your chat by clicking the Actions menu in this chat box, then "Detach"... you may also make the font larger: Actions-- Larger Text.

SusanR: I teach on an occasional basis. I offer the K to 3+ Great Resources sessions here. I reside in Ottawa, Ontario. Barack Obama visited here just recently.

ElenaC: I am a Bilingual EC-4 Student teacher from University of Houston.

JeffC: ok... one last tip before I hand the floor over to Pat. When you see a link here in chat, be sure to hold the Ctrl key down when clicking (or turn off your popup blocker). Otherwise your popup blocker will log you out.

JeffC now (finally!) hands the floor over to Pat Viele, who will tell us about her wonderful work at Cornell and elsewhere!

PatV: Since a couple of you teach in bilingual settings, I will start talking about science.gov. The system allows you to search across many government departments at once and many of the materials are in Spanish and English.

PatV: Please go to the advanced search screen <http://www.science.gov/scigov/search.html?searchMode=advanced>

PatV: I suggest searching in General Science and Science Education. Just click "all sources" and then select the two I named. Run a search and jump in with comments.

JeffC: Here is a redirect for Pat's first link: <http://sn.im/sciencesearch>

PatV: Cornell University offers many professional development opportunities for science teachers and I have been involved with them for a long time. I have been collecting materials in response to real reference questions for years.

BJB2 checks to see if everyone got the url

BJB2: yikes, Pat...we could spend a month at this site looking at everything!

HannaW: My kindergarten students are currently learning how to distinguish the difference between living and nonliving objects.

BJB2: has anyone found a site or topic that they want to share?

HannaW: When I entered living and nonliving, it seemed to list various articles about the topic

BJB2: Hanna, have you tried a mirror to see if they're breathing? ;-)

HelenK joined the room.

BJB2: Hi, Helen! Nice to see you.

ElenaC: I am in the Education Resources Information Center (ERIC).

BJB2: we're looking at Pat's site <http://sn.im/sciencesearch>

HelenK: Hi BJ nice to be here, I have missed my visits

HelenK: thanks

BJB2: thanks, Elena

HannaW: haha that's interesting.

BJB2 winks at Hanna. I use that technique sometimes if a person is lurking in the discussions

JessicaSa: I searched the NSDL site. I searched Solar Systems and found different information and activities for the students.

BJB2: Pat, would you be able to narrow down Hanna's search?

PatV: OK. science.gov may not be the best choice. Let's try my connotea collection.
<http://www.connotea.org/user/pviele/tag/k-12>

HannaW: That would be great some of the articles seemed way too complex.

BJB2: I love the exploratorium science snacks

PatV: Hanna, this collection is sorted on K-12 lesson plans. I suggest Susan's k-3 collection in Tapped In for early elementary lesson plans as well.

HelenK left the room.

HannaW: ok, thank you.

PatV: Connotea is a free service from The Nature Publishing Group. It allows one build a virtual filing cabinet that is easily shared with others. My connotea collection takes the place of my bookmarks. You can sort the collection on any of the words in the left hand column.

BJB2: that is a nice resource in itself, Pat!

BJB2 . o O (connotea)

KumariH: That's cool! Thanks.

ElenaC: I am in "Understanding Science" and how science really works. I really like it.

JessicaSa: Looks great. I can definitely use this in the future for different lessons.

HannaW: I clicked on childhood and then K-2 science lesson plans. I like how they give you a list of different science centers. Thinking of different science centers seems to be such a challenge.

PatV: On many of the sites in my connotea collection one can define parameters, like age and type of resource.

PatV: Science museums are a wonderful resource for lesson plans.

ElenaC: This is a great source for teachers to visit and learn about the topic that will be covered in class.

JessicaSa: I clicked on elementary. I was able to find many different lessons.

HannaW: Yes the age and type of resource sections are very useful!

PatV: I have the impression that sometimes people find the digital libraries overwhelming, so I try to break them up into chunks that can be handled. For that purpose, I write a blog for science educators. Pat's Picks for STEM Educators <http://expertvoices.nsdl.org/pats-picks/>

JessicaSa: The website contains great information on different careers. I found activities for my third grade on scientist, radiologist, and sheriff.

PatV: Each week, I pick a topic and find links to good web sites on that topic. If there is a topic you would like me to address, speak up.

HannaW: In social studies my students are also learning about different careers. I like how it gives descriptions and educational background needed to enter a certain field, such as paleontology.

PatV: In addition to materials on the web, I want to draw your attention to an author who writes really good material for science education. Janice Van Cleave has written a number of books, like "Physics for Every Kid". Check your local library.

ElenaC: I like the idea of using Teachertube as a fun activity and to stimulate discussion.

JeffC: <http://expertvoices.nsdl.org/pats-picks/>

KumariH: I've used some of her experiments - they're great.

KumariH: I would like help finding more resources in Spanish, particularly on global warming or alternative energy sources.

ElenaC: I would like to find Pre-K or Kinder resources in Spanish. I would like to teach Pre-K or Kinder.

SusanR: Are there any other print resources you recommend for K to 3 students/teachers, Pat?

SusanR: or Interactive resources on the web

JessicaSa: I would also like to find more Spanish resources and printable resources.

HannaW: free printable resources do seem hard to find.

JessicaSa: Pat is there any bilingual interactive websites for the students to use?

PatV: Kumari, I will run a search for you. I know they exist.

ElenaC: I am enjoying the page: Elementary Science Fair. I noticed a project about the five senses.

PatV: Jessica. Yes there are. Maybe I will do my next Pat's Picks on that topic. I had one physics teacher who was dealing with 12 languages in his class!

KumariH: Thank you!

ElenaC: Wow! 12 languages! That is amazing.

JessicaSa: That's incredible!

PatV: Susan. I did one of my Pat's Picks on science books for children. If you are looking for books for really young ones, the book A to Zoo is great. Your library also probably has the series "Good Books for"

SusanR: I will check them out, Pat.

KumariH: Wow. I'm really liking the site
http://www.ieeeighn.org/wiki/index.php/Main_Page

KumariH: Not in Spanish, but still interesting

JessicaSa: I found your books selections, it has many great resources.

ElenaC: I will look for the A to Zoo book at the public library.

PatV: I just did a quick search using the Pandia search engine and found this site

PatV: <http://www.cloudnet.com/~edrbsass/edsci.htm>

SusanR: Pat, can I ask why you chose Pandia as a search engine?

KumariH: What a lot of links on this cloudnet site!

PatV: Pandia seems to find sites that I have not found other places. I like it. Yes, I use google also.

JeffC: <http://sn.im/sciencelessons1>

PatV: The North American Association for Environmental Education offers these lesson plans <http://eelink.net/pages/Lesson+Plans+-+Grades+PreK-5>

SusanR: It's always nice to find an alternate search engine. Yes, your results can be quite different.

JessicaSa: I did a search on fossils. I found many different lesson plans. There is lesson plans for every grade level. Thanks for letting us know about the website.

JeffC: <http://sn.im/sciencelessons2>

ElenaC: I really like the website: eduplace.com! It has many fun lesson plans. I am looking at " on the farm or at the Zoo? " Very nice!

ElenaC: Thank You! I feel better prepared for the future.

JessicaSa: All these websites have great information!

HannaW: Yes they do! Thank you for all of these resources

PatV: The one activity that I ask every teacher to do is to have students learn a little about evaluating the information they are finding. There are lots of evaluation tools out there.

KumariH: Do you have suggestions of sites to help with this?

BJB2: because we are close to the end of our hour...

BJB2: perhaps that could be a topic for next month's science resources?

PatV: We are working with the Upward Bound program. Here is a library guide for that group. We had them look at 3 web sites and evaluate the information. <http://guides.library.cornell.edu/content.php?pid=12692&sid=84966>

JessicaSa: Thank you for all the information and resources.

KumariH: Cool. Thanks.

ElenaC: wonderful!

BJB2: the next science resources discussion is April 7

PatV: There are hints for evaluating web sites included in the guide.

BJB2 . o O (join this group so you will get a reminder of the discussion)

ElenaC: Thank you very much!

JeffC: <http://sn.im/urlevaluate>

HannaW: thank you for the evaluation, not only is it helpful for students but teachers as well.

HelenK: thanks everyone

BJB2: Thanks, Pat! You are certainly a Tapped In treasure!

PatV: Time flies when you are having fun! Bye

JeffC: Thanks all for coming.

HelenK: enjoyed the session and have lots to share with colleagues

HannaW: Thank you Pat!

KumariH: Thanks.

JeffC: A reminder to those who are not yet members of this group... please join!

BJB2: Thanks for scheduling the discussion, Jeff

JessicaSa: Thanks Pat

BJB2 waves goodnight

ElenaC: Thank You for all the info. and help Pat.

JeffC: Thanks Pat