

Title of Session: Science Resources K-20

Moderator: Jeff Cooper

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Room: Science Resources Group

JeffC: we'll give people a few minutes to join

AshleyBr: how do I join?

JeffC: then start again with introductions, but so far it looks like the same takers of the Math group.

JeffC: just scroll down the top frame Ashley

JeffC: in the Welcome box click the little "i" in the green circle next to the link for this group.

JeffC: then click the link to "join this group"

AshleyBr: got it

AshleyBr: thanks

JeffC: ok... let's get started

JeffC: if everyone could talk briefly about what they're doing with science in their classrooms, that will give us a starting point for discussion.

MariaGG: we are learning habitats in different environments. second grade

JeffC: as with Math Resources, there are a number of links, resources, etc. here, as well as in the K-3 Resource room for teachers of elem.

AshleyBr: I teach second grade and we are getting ready to start weather

SarahSchm: Hi everybody. I am working with genetics and genetic diseases.

AshleyBr: that sounds interesting

CristinaG: well let's see, I am in a second grade classroom right now in which my teacher only teaches language arts, but I would love to hear ideas that I may use in my own classroom one day

FredK: I am a tutor for literacy In SE Oklahoma Helping with the human body lessons

JeffC: ok... great

NikitaP: I am student teacher

CristinaG: me too

MariaGG: me too

BJB2: I recently used the website <http://www.understandingrace.org/> with my students

AshleyBr: I am a first year teacher

JeffC: again, I'll share several resources and sites that I think might help the teachers here... again, if you want to join this group, scroll down the top frame and click the little "i" in the green circle next to the link for this group, then click the link to "join this group."

SarahSchm: I have taught biology and life science

NikitaP: I believe I joined.

JeffC takes a look at Bj's site.

JeffC: Yes... you've joined Nikita.

EduardoHM joined the room.

JeffC: that looks like a good site for upper elementary or possibly middle school students Bj.

BJB2 nods to Jeff.

FredK: Hi Eduardo

JeffC: One site I like for elem is http://www.internet4classrooms.com/science_elem.htm

EduardoHM: Hello

JeffC: That's the link specifically for science resources.

JeffC: There's a link on that page to Weather projects, as well as Life Science, etc... pretty much most anything science related.

JeffC: Eduardo, when you click a link, you need to hold the Ctrl key down.

JeffC: Or accept popups from this site (best)

JeffC: otherwise your popup blocker will log you out.

JeffC: Here is that link again: http://www.internet4classrooms.com/science_elem.htm

EduardoHM: ok, thanks

NikitaP: Nice website

AshleyBr: that is a good site!

JeffC: yes

CristinaG: very student friendly!

FredK: Separated by grade level--great

JeffC: yes... and of course there are other subjects other than science.

EduardoHM: it is a nice website

JeffC: <http://www.internet4classrooms.com/>

JeffC: their homepage

CristinaG: thanks

NikitaP: Yea Thanks

MariaGG: this is great it gives me a lot of ideas

JeffC: cool

CristinaG: sure does, I know my students will enjoy this!

JeffC: one site that kids also like is <http://www.yucky.com>

JeffC: lots of yucky stuff there

EduardoHM: yes, it can be used in a webquest

NikitaP: Yea the students will have something different from worksheets

CristinaG: this makes integrating technology so easy!

SarahSchm: I like all the online dissections. It is nice that they are all in one place.

NikitaP: I agree with Cristina

JeffC: and here are a number of sites from a google search on elementary science:
<http://snipurl.com/google-science>

NikitaP: Students love technology, it is hands on

EduardoHM: I agree with Cristina, too

JeffC: I think teachers would do well to integrate science with other subjects and activities.

EduardoHM: It keeps kids entertained

CristinaG: tell me about it! Once they log on, it is difficult to get them off of the computer

AshleyBr: I think students enjoy it so much because it doesn't seem like they are learning

AshleyBr: it is fun

JeffC: create a keypal project with schools around the world and do your weather assignment for example.

MariaGG: the teacher I student teach for has three computers with internet access and she does not use them. These sites are wonderful.

NikitaP: Now you can use them Maria for a lesson

AshleyBr: what is a keypal project?

CristinaG: I agree Ashley, its amazing how students are so engaged that they don't realize they are learning

MariaGG: I think I am going to ask her if I can use them

CristinaG: go for it Maria!

MariaGG: I will

EduardoHM: What is a keypal project?

MariaGG: yes what is that?

CristinaG: I am unfamiliar with the term also

AshleyBr: is it like a penpal on the computer?

BJB2: <http://www.worldkids.net/clubs/kci/>

JeffC: yup

JeffC: there are several ways to set up keypal projects

NikitaP: WOW

AshleyBr: do we click on that link?

JeffC: I'd recommend registering at <http://www.epals.com> ...which allows teachers to create email accounts for their students. it's the safest most secure email system for K-12 students... since no email from outside epals is permitted.

JeffC: you can Ashley

JeffC: feel free to explore the sites mentioned.

JeffC: with epals, you could have your students hook up with other students around the world and do Weather projects, or other science related projects.

CristinaG: very cool!!

AshleyBr: do most schools allow this or is it a problem? my school wouldn't let me set up a kid Tapped In session for my students

AshleyBr: which was a bummer

SarahSchm: This site might be good along with the Journey North.

JeffC: why didn't they let you use Tapped In Ashley?

DavidWe: Very neat project to measure the circumference of the Earth - the NoonDay project

DavidWe: <http://www.k12science.org/noonday/>

DavidWe's friend Ihor manages this collaborative science project

NikitaP: My school is strict about certain websites also. I guess I will just have to check

AshleyBr: I don't know they said administrators could use it. I think it is silly and frustrating because they want us to use technology and then when we have ideas or cool ways to integrate it we can't

JeffC: My guess is because there is real time chat here... even though K-12 students are initially restricted to their own classroom, and can't have outside communication unless the teacher approves.

CristinaG: I will have to check also. they don't give students too much access

JeffC: I'll be happy to talk to any administrator about unfiltering Tapped In. 503-357-3577 or jbcoops@gmail.com

AshleyBr: true

AshleyBr: ok thanks!!

DavidWe: Jeff hopes the administrators won't call him collect

NikitaP: thanks!

AshleyBr: lol

SarahSchm: The Journey North Project has students monitoring natural events like Monarch Migration or when tulips emerge. <http://www.learner.org/jnorth/>

EduardoHM: funny

JeffC has a 1-800 conference call number as well.

EduardoHM: nice website

CristinaG: it gives teachers activities that can be used with the students..great!

SarahSchm: Last year we got a PTA grant and made tulip garden in the 7th grade and then participated in the project. We had the MR class room come out and measure with us

AshleyBr: that is cool

SarahSchm: Lowe's Toolbox has good grants for teachers to build things like the tulip garden

CristinaG: awesome

NikitaP: Sounds like fun Sarah

JeffC: one thing to consider is possible project based approaches to science which could be integrated with community activities... as well as collaborating with other classes online. there are a number of sites like <http://www.gsh.org> that have collaborative projects.

NikitaP: I am sure a lot of hard work was put in that project

SarahSchm: it was definitely worthwhile, and its nice to take a trip out side

CristinaG: and the students absolutely enjoy it

SarahSchm: so do the teachers!

NikitaP: I wish I had the same experience in seventh grade

MariaGG: me too all I did was worksheets.

CristinaG: so do I

AshleyBr: me too

JeffC: For example, the Wild Weather Project looks interesting <http://snipurl.com/wildweather> but it's currently closed. It does give you something to think about for the future however.

SarahSchm: That is the sad thing about science. It should be all about experiences

JeffC: exactly

AshleyBr: yup cause that's what science is

SarahSchm nods

MariaGG: These websites are so interesting and fun to look at. It gives me a lot of ideas for hands on activities as well as for tech.

JeffC: lots of times you can transform a project from the Net to "real life hands on" and vice versa.

SarahSchm: Definitely. That is the good thing about technology and science. There are so many models online that students can experience activities that the school doesn't have materials for

AshleyBr: right it broadens their horizons

DavidWe: One hopes that students can get their hands "wet", too

SarahSchm: definitely

DavidWe: simulations are substitutes, although they can be valuable substitutes when real materials aren't available

NikitaP: I agree with Maria

MariaGG: kids love to touch things

MariaGG: and experiment

AshleyBr: nods

CristinaG: it helps them to retain the knowledge they learn

AshleyBr: I always learned better when I experienced it. I don't understand why people think kids are different

SarahSchm: and you can get them to use the higher level thinking that is so important

NikitaP: I agree especially when its hands on

AshleyBr: students need to be problem solvers and scientist. That is how they learn not by teachers preaching to them

EduardoHM: it helps to get the kid's attention

SusanR: . o O (don't forget about webquests)

CristinaG: yes, it keeps them focused and engaged

SusanR: <http://www.chemistryteaching.com/scwquest.htm>

NikitaP: I agree preaching to students does not work

NikitaP: I have 40 students in my classroom right now and it is very hard to do hands on activities sometimes

NikitaP: However, I have gained many good websites today that I can incorporate in my lesson

AshleyBr: I agree.

AshleyBr: what grade do you teach?

MariaGG: that is a lot of kids

JeffC: group them and do experiments Nikita.

EduardoHM: There are a lot of experiments to do, but sometimes educators concentrate more in other subjects like reading and math

JeffC: that is definitely too many kids for any level class... let alone elementary.

AshleyBr: that seems to be the focus now

SarahSchm: Stations are a really good idea for science. Especially if you don't have a ton of computers

MariaGG: kids love computer stations

AshleyBr: my students have a hard time deciding who gets to be on the computer it is always a big fight

NikitaP: We have a good science lab teacher and I cannot wait to show her some of these websites I have gained today

CristinaG: yes they do because I have only seen our students computers used to take AR tests!

JeffC: virtual science fair site for younger grades:
<http://www.isd77.k12.mn.us/resources/cf/welcome.html>

MariaGG: they need to take turns

NikitaP: I agree Cristina...I have only seen A.R. test being taken on the computers

AshleyBr: I know it is a hard concept for them

MariaGG: The kids love AR tests at my school

JeffC: another thing to consider is the bigger picture... last year in my daughter's second grade class I helped them create powerpoints on the solar system. I created a K-12 classroom for them here at Tapped In, provided resources, etc.

EduardoHM: I agree, they are only used to take the A.R. test

CristinaG: well my kids love to take AR test also because they get points but some of these students have no idea that computers can be used for so much more because they are not being exposed to it

MariaGG: I love presenting powerpoints.

MariaGG: students love it also

AshleyBr: that is fabulous Jeff. I would love to do that with my students

SarahSchm: It sounds like a lot of you are elementary level, but this is a really good secondary website: <http://www2.edc.org/weblabs/>

JeffC: let me show you my daughter's class from last year... that may give some of you the incentive to create your own K-12 classrooms here (if possible).

AshleyBr: 5 could get on at a time. That could be some good discussions

JeffC: It's in the K-12 campus... type: /join **JeffC** after I leave.

DavidWe: EDC is a very good organization

NikitaP: Okay

JeffC left the room.

SarahSchm: If the computers are spread out, you could do partners and have 10 on at a time

Room: Matzke_Grade2

BJB2 joined the room.

AshleyBr: this is awesome

JeffC: ok... what you see in the top frame is a picture of deep space... lots and lots of galaxies!

JeffC: there are also instructions on how to create your own classroom, as well as a list of space sites.

JeffC: I created this room because my daughter's school district ghosted the computers and reset them every day... making it impossible for computers there to have bookmarks.

SarahSchm: how do we get back here if we want to see the instructions?

JeffC: plus... the kids love tapped in!

CristinaG: I bet

JeffC: is there an "add to my favorites" link in the top frame Sarah?

SarahSchm: yes!

JeffC: click that... I'm not sure if that's possible in a K-12 classroom though... usually admittance means that you need to be a member.

JeffC: I've opened this room up to visitors though.

AshleyBr: got it!

AshleyBr: Thanks for sharing that with us.

JeffC: My daughter's teacher from last year really hasn't really used Tapped In this year, undoubtedly because I'm not around to support her class this year.

JeffC: you're welcome

JeffC: My daughter's powerpoint is also linked in the top frame.

EduardoHM: thanks for showing it to us!

CristinaG: yes, that was neat

JeffC: Again, I think that getting student work online is really a great thing to do... parents can download it, etc.... and eventually students may create electronic portfolios, etc.

CristinaG: online portfolios would be awesome for students to create!

NikitaP: Electronic portfolio would be such a good thing

MariaGG: i have an electronic portfolio of my student teaching experience

JeffC: another site that looking at the picture of deep space inspires me to show you is "Powers of 10" <http://micro.magnet.fsu.edu/primer/java/scie nceopticsu/powersof10/>

EduardoHM: I work in a low-income area school and sometimes parents are reluctant to use technology

SarahSchm: I watched a video clip the other day about student work on line, and one class was posting on the class web page every day what they had learned, as a summary activity. That was neat

NikitaP: Me too marai

NikitaP: Maria*

JeffC: Going from the very big (the universe) to the very small (microbes)... kids of all ages love that!

MariaGG: really that is cool

NikitaP: I agree

AshleyBr: agree

SarahSchm: that site is awesome

JeffC: from the very small to the very large... kind of gives kids a different perspective on proportion.

NikitaP: True

SarahSchm: And for older kids, it links the science disciplines

MariaGG: I like the powers of ten website

NikitaP: which one is that Maria?

EduardoHM: I haven't seen any teacher using it, but I think google earth is a great tool to use for science

FredK: It's neat

AshleyBr: I have heard of that!

AshleyBr: It sounds cool

JeffC: yes... google earth is cool

CristinaG: I need to look into it

AshleyBr: what is the link for that?

MariaGG: scroll down at the top and you will see the references

JeffC: one thing to be careful of is (mostly for older students)... not pinpointing your home address and pic on a MySpace page. Personally, I can think of a lot of more

dangerous things to do, but it's something that throws up a lot of red flags for educators and parents.

NikitaP: Thanks

EduardoHM: you can download the software from google

EduardoHM: it's free

SusanR: if you need some teaching resources I suggest
<http://www.juicygeography.co.uk/blog/>

AshleyBr: thanks!

JeffC: <http://earth.google.com/>

JeffC: ok... our time is about up for today... anything else people would like to know?

AshleyBr: my brain is full of resources!

NikitaP: I agree

SarahSchm: this was great thanks!

MariaGG: me too

EduardoHM: yes, me too

CristinaG: I've enjoyed all of the great sites that were shared with us today

AshleyBr: I appreciate it!

MariaGG: thank you

EduardoHM: it was great

NikitaP: I agree Cristina

JeffC: thanks everyone

EduardoHM: thank you very much

AshleyBr: Bye!

NikitaP: Thanks

FredK: Much to work on, thanks

SarahSchm: bye

JeffC: I'd like to encourage all of you to setup K-12 classrooms here

JeffC: and come back and post to Science and Math and K-3 Resource rooms.

MariaGG: ok

JeffC: think about hooking up with other teachers... we can help with that.

NikitaP: Sounds good

JeffC: students love the thought of working with other students from around the world.

NikitaP: so much resource...thank you

AshleyBr: I know!

NikitaP: I agree

JeffC: think outside the box!

AshleyBr: that's what I want to do!

JeffC: and again... contact me if you need help getting tapped in unfiltered.

SusanR: Thanks Jeff..nice to revisit these sites