

**Title of Session:** K-20 Science Resources - Franklin Institute Science Museum

**Moderator:** Jeff Cooper

**Guest Speaker:** Karen Elinich

**Title of File:** 20041005scik20franklininst

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Room: After School Online Room

**JeffC:** Welcome to Science Resources K-20+ everybody.

**DavidWe** thanks Jeff for the welcome

**KarenE:** Hi, Jeff

**AmandaLeg:** Hi Jeff

**SarahMor:** hello

**GailH:** Hello, Jeff.

**ElizabethS2:** Hello Jeff

**JeffC:** I'd like to start with introductions from everybody... I facilitate this group, but by no means want to control it. I've been on Helpdesk here since 97, and try and help out in all areas of Tapped In.

**KarenE:** I'm here this evening from The Franklin Institute Science Museum in Philadelphia

**GailH:** Hello Karen, good friend!

**JeffC:** Excellent Karen... could you please type in the URL for the Franklin Institute?

**KarenE:** [www.fi.edu](http://www.fi.edu)

**SarahMor:** I am a preservice teacher from the University of Houston

**ElizabethS2:** Hi! My name is Elizabeth. I currently work as a research assistant at Baylor College of Medicine, and I am working on getting my teachers certification from the University of Houston

**AmandaLeg:** I am a pre-service elementary school teacher in Houston, TX

**GailH:** I am Gail Hoskins with the Eisenhower National Clearinghouse (ENC) at <http://www.enc.org>

**DavidWe:** I'm David Weksler. I help teachers learn more about technology and the Internet and I used to work with the Math Forum - <http://mathforum.org>

**IhorC:** Hi. I'm still at the office here at CIESE in Hoboken NJ having difficulty getting my Mac to talk in Tapped In

**IhorC:** Oh, yes. <http://cieese.org>

**JeffC:** Welcome everybody to the Science Resources K-20+ Group.

**DavidWe** . o O ( Doing just fine, Ihor )

**JeffC:** What I like to start with is to have everyone look at the Science links that have been added to <http://www.mybookmarks.com/public/mathscience> in the past month. If you go to that link, the first few links are not in alphabetical order... please take a few minutes to peruse those links and then come back here with your thoughts.

**GailH:** Karen, I was telling others yesterday about a part of the Franklin Institute you shared with me -- the Pieces of Science at <http://www.fi.edu/pieces/> great.

**KarenE:** Thanks, Gail. It's still one of my faves

**JeffC:** After that... I'll be happy to turn this hour over to Gail and Karen, and have you facilitate the discussion, perhaps around the Franklin Institute, if that's ok with you Karen (and Gail).

**KarenE:** sounds good, Jeff

**GailH** thinks that is great.

**JeffC:** I added <http://sln.fi.edu/> and will add the link you just posted Gail.

**DavidWe:** That's a GREAT site

**DavidWe** hopes that leads Karen somewhere...

**KarenE:** Does anybody have a particular grade level interest?

**AmandaLeg:** 2nd or 3rd

**ElizabetS2:** high school biology

**GailH:** Anything!

**KarenE:** Perfect! I actually have something for everyone

**JeffC:** While people are perusing the new sites... for those who are not yet members of the Science Resources K-20+ Group, here is what I'd like you to do: 1) Click the "Search" tab in the top frame 2) Click the "Groups" subtab 3) type: science resources ...and click the "Find It" button 4) Click the link to Science Resources K-20+ 5) Join the group. That will allow you to go to the group room, where there are formatted archives of past meetings, as well as other resources.

**ElizabetS2:** I was just checking out the genetic engineering part of the pieces of science-great!

**KarenE:** Elizabeth, I think you'll also like "The Biology of Aging" ---

<http://www.fi.edu/guide/sowd/>

**KarenE:** which is from our Community Science Action Guides

**KarenE:** Amanda....from our Comm Sci Action Guides, you might like the

Grandbuddies Project ---- <http://www.fi.edu/guide/knox/>

**AmandaLeg:** thank you Karen

**KarenE:** Amanda....while you're looking at the Comm Sci Action Guides, you might also like the Water resources for early elem ---- <http://www.fi.edu/guide/hongell/>

**JeffC:** If anyone would like to comment on the new links (aside from Franklin Institute), please feel free, then it's over to Karen. If you have any problems joining the group, send me a private chat message (double click my name in the Here tab to open a dialogue).

**ElizabetS2:** wonderful- thank you Karen. I actually work in the Center of Aging at our college now- it is the most perfect example you could have given me

**SarahMor:** I am looking for some animal adaptation sites and I do not seem to see any on the list

**KarenE:** Happy to help!

**KarenE:** Sarah, what grade level?

**SarahMor:** I started to look at the animal planet site

**SarahMor:** 1st or 2nd

**KarenE:** Hmmmm...

**KarenE:** animals for early elem....

**KarenE:** let me see....

**DavidWe** . o O ( Cat in the Hat? )

**JeffC** pokes David with a sharp stick...

**DavidWe** . o O ( sorry, chief )

**GailH:** Kitty and Hawk activities are neat, but not really about animals!

**KarenE:** Something Froggy ---- <http://www.fi.edu/fellows/fellow9/jun99/index.html> ---- might be good, but a bit more useful for cross-curricular than strictly for science

**KarenE:** Hold on for another link....

**SarahMor:** great I will check it out

**SarahMor:** thank you Karen

**GailH:** Karen, who writes the materials you are showing?

**KarenE:** ummm....several of the sites I've showed are developed by in-service teachers

**DavidWe:** Philadelphia folks, Karen?

**KarenE:** The Guides and Pieces of Science are developed by the Online Museum Educators who are located all across the country

**DavidWe:** . o O ( or throughout the SLN network? )

**KarenE:** there are even some in the UK

**DavidWe:** cool!

**IhorC:** I'm going to take off too and come back when I'm operating on all cylinders

**KarenE:** Dave, not SLN-related, no

**DavidWe:** nods

**IhorC:** Good night

**GailH:** waves to Ihor.

**DavidWe:** waves bye to Ihor

**KarenE:** These are more recent efforts than the SLN work

**KarenE:** BUT, the [www.sln.org](http://www.sln.org) site does have some great science education resources

**IhorC:** left the room (signed off).

**KarenE:** now that you remind me of that

**GailH:** One of the popular Franklin Institute pages that I show teachers is <http://www.keystone.fi.edu/matrix1.shtml> (but I remind them to scroll down) and then they are quite excited with all they see.

**SarahMor:** the something froggy site is great

**KarenE:** Yes, anyone who is interested in K-8 inquiry science will want to know about the Matrix

**KarenE:** <http://www.keystone.fi.edu/matrix1.shtml>

**SarahMor:** it really talks about all the adaptations that frogs have

**KarenE:** Thanks, Sarah

**SarahMor:** yes

**SarahMor:** my adaptations lesson needs to be inquiry, guided, and challenge activities

**DavidWe:** thinks frogs are pretty cool in their diversity

**KarenE:** Elizabeth....this site is a little bit out-of-date, so we don't talk about it much, but it has some ideas that you might find useful.....it's called BioPoint

**KarenE:** <http://www.fi.edu/qa97/biology/biopoint1.html>

**KarenE:** It follows one high school bio student through her school year

**ElizabethS2:** oh neat- thanks

**KarenE:** Meanwhile, Elizabeth, we have our Human Brain exhibit ----

**KarenE:** [www.fi.edu/brain](http://www.fi.edu/brain)

**GailH:** The Froggy Page <http://www.frogsonice.com/froggy/> was one of the first web sites for teachers that took off. It is 10 years old now--talk about dinosaurs.

**KarenE:** which is advanced

**KarenE:** but could be used by HS teachers

**SusanR** joined the room.

**SusanR** waves

**GailH** waves to Susan.

**SusanR:** Hi Gail. Sorry I am late.

**GailH:** Karen is showing resources from the Franklin Institute.

**KarenE:** When you mentioned Animals, Sarah....you reminded me of Rockhounds (because it has a hound-dog) ....which is GREAT for early elem earth science..... it's here <http://www.fi.edu/fellows/fellow1/oct98/index.html>

**SusanR:** thanks

**KarenE:** I know you didn't ask for earth science.....but just in case anyone is interested in earth science for early elem

**KarenE:** Rock Hounds is VERY popular

**ElizabetS2:** These are all terrific sites, thank you. I actually wish I had known about them when I was in school! But I am so glad you are expanding my horizons now.

**KarenE:** You're welcome!

**GailH:** Karen, last year the Franklin Institute did the celebration of 100 years of flight -- Wright Brothers. The resources you linked to then were wonderful. The science at elementary level were wonderful!

**KarenE:** Thanks, Gail!

**KarenE:** We have TONS of stuff related to the Wright Brothers

**KarenE:** it's at [www.fi.edu/wright](http://www.fi.edu/wright)

**DavidWe** thinks the Franklin Institute is a GREAT place

**KarenE:** Thanks, Dave!

**GailH** knows it is.

**DavidWe** . o O ( and there is a new HEART! )

**KarenE:** Well, it's the same heart

**KarenE:** but improved

**KarenE:** and surrounded by a great new bioscience exhibit

**DavidWe** smiles

**GailH:** Real or virtual or oth?

**DavidWe** grins

**KarenE:** Real

**KarenE:** giant, walkthrough heart

**DavidWe:** Well, definitely the big REAL one

**DavidWe** nods

**KarenE:** it's a Philadelphia landmark

**KarenE:** Did you walk thru, Gail, when you visited?

**GailH:** You also had a virtual one years ago too!

**KarenE:** Still do

**KarenE:** [www.fi.edu/biosci](http://www.fi.edu/biosci)

**GailH:** Yes, of course. I walked (and ran!) through it.

**KarenE:** it's our most visited resource at The Franklin Institute Online

**GailH** . o O ( child at heart !! )

**DavidWe** 's Mom got hold of a cow's heart so he could bring it in to science class in 7th grade

**KarenE:** I hadn't mentioned it (yet) because it's not specifically designed for classroom use, though

**KarenE:** Still we have plenty of teachers who make use of it

**KarenE:** Anyone who will be at NECC in June should be sure to visit the Heart

**KarenE:** It's a rite of passage in Philadelphia

**DavidWe** will be at NECC

**ElizabetS2:** ooooh- the pictures of the preserved heart are terrific!

**KarenE:** Yes!

**SusanR** . o O ( wonders where NECC is next year )

**KarenE:** Philadelphia

**KarenE:** The Franklin Institute will host some events

**DavidWe:** We can put you up somewhere, Sue, if you want to come

**KarenE:** Plus, all NECC badgeholders can visit the Museum for free throughout the convention

**DavidWe** is proud to be a FI member, most of the time

**KarenE:** proud most of the time?

**DavidWe** . o O ( member MOST of the time... )

**KarenE:** or, member most of the time?

**KarenE** grins

**DavidWe** smiles

**BJ** thinks there should be a TI meeting at NECC

**DavidWe** votes yes twice

**GailH** triple votes for it.

**DavidWe** worries about the vote counting as we seem to be stuffing the ballot box

**GailH:** Karen, a question about the FI's web site?

**KarenE** checks her keyboard for chads

**KarenE:** yes, Gail?

**DavidWe** . o O ( LOL )

**GailH:** Is there a site map or big picture place that will help get for great part to great part?

**KarenE:** no, but our search engine is excellent

**KarenE:** I do have a one-page "guide"

**KarenE:** that I give to teachers

**GailH:** virtually give?

**KarenE:** It's a pdf .... [http://www.fi.edu/teachers/tfionline\\_guide.pdf](http://www.fi.edu/teachers/tfionline_guide.pdf)

**KarenE:** it gives a "front door" orientation

**GailH:** Thanks!

**KarenE:** but, it is a problem.....behind that front door is TONS of great stuff

**KarenE:** but it's hard to know what's there.

**DavidWe** still wants to sleep over under the big statue of Benjamin Franklin

**KarenE:** Although, as I mentioned, if you enter a search term, you get a fast, quality return

**GailH:** I found (stumbled into) <http://www.fi.edu/math/> and really loved the open-ended math problems the other day. I don't think I had ever been there before.

**DavidWe** looks at that web page

**GailH:** But, if you don't know about it, you don't think to search for it.

**KarenE:** Yes, our online math collection is good

**KarenE:** it was developed by in-service math teachers

**DavidWe** nods

**DavidWe:** Great

**KarenE:** we need our own mini-ENC database

**KarenE:** someday

**GailH:** Is anything new (or coming out soon) ?

**DavidWe** . o O ( Well, Gail will get it done...most likely )

**SusanR:** I can really use the schoolyard geometry

**KarenE:** Coming soon is some archival stuff related to famous scientists in history

**KarenE:** including Elmer Sperry, William Burroughs, William Jennings, and C. Francis Jenkins

**KarenE:** we have amazing primary sources from their science....and we're developing

**KarenE:** online presentations that

**KarenE:** also offer K-12 classroom connections

**KarenE:** PLUS, the other brand new thing we have is Internet2

**KarenE:** we're beginning to develop interactive programming for schools that have Internet2 connections

**GailH:** David said you could use a mini-ENC database.

**GailH:** If I may show a long url (and not scare you) I can show you one now.

**DavidWe** . o O ( I believe, Karen, said that )

**KarenE:** Go for it

**GailH:**

[http://www.enc.org/resources/search/basic/1,1232,search,00.shtm?page=1&pageLength=40&searchMode=search&searchType=simple&encNum=&sort=relevance&search\\_filter=basic&search\\_location=basic&querytext=%22franklin+institute%22&resourceType=R0&mediaType=all&grade=G0&cost=-1](http://www.enc.org/resources/search/basic/1,1232,search,00.shtm?page=1&pageLength=40&searchMode=search&searchType=simple&encNum=&sort=relevance&search_filter=basic&search_location=basic&querytext=%22franklin+institute%22&resourceType=R0&mediaType=all&grade=G0&cost=-1)

**DavidWe** . o O ( yikes! )

**GailH:** just click on it.

**DavidWe:** it works!

**DavidWe:** Way to go ENC!

**SusanR:** wow..long url

**KarenE:** You're good, Gail!

**DavidWe** smiles and can't help but agree

**GailH:** I can find a longer one if you'd like me to try!!!

**GailH** zips her mouth now.

**KarenE:** Something else that's fun is our Attic..... <http://www.fi.edu/qa98/atticindex.html>

**KarenE:** these resources aren't really designed for classrooms, but there are some

**KarenE:** great things in there

**KarenE:** that can be used for a quick teachable moment here and there

**KarenE:** a five minute exploration

**KarenE:** of interesting historical science artifacts

**KarenE:** I almost forgot about Time! Any teachers who teach time might like ....

[www.fi.edu/time](http://www.fi.edu/time)

**GailH:** Susan taught about time last month!

**KarenE:** ?

**BJ:** Sue leads the K-3 Resources group, Karen  
**GailH:** In her K-3 Great Resources twice ea month.  
**BJ:** her theme was time  
**SusanR:** Just thinking I should add it to the track, Gail  
**GailH:** I am attending it as often as I can this year.  
**KarenE:** Ah!  
**KarenE:** I see!  
**GailH:** Give the track to this group too!  
**KarenE:** Click on Journey in Time  
**KarenE:** there's great stuff there for K-3  
**SusanR:** Great!  
**DavidWe** smiles  
**KarenE:** Time Keepers is a little more 4-6, but some of it might be useful for 3  
**KarenE:** In Journey, Once Upon A Time is a nice primer on the history of time keeping....  
**KarenE:** <http://www.fi.edu/time/Journey/OnceUponATime/>  
**KarenE:** So, I wondered if I would have enough resources to interest everyone this evening  
**KarenE:** I guess maybe we do!  
**SusanR:** absolutely...  
**AmandaLeg:** I think you did great!  
**GailH:** You have shown a wide variety too.  
**AmandaLeg:** I will be surfing for days  
**KarenE:** Feel free to email me if you have any questions  
**DavidWe** . o O ( Surfin' Safari )  
**KarenE:** [kelinich@fi.edu](mailto:kelinich@fi.edu)  
**SusanR:** worth spending the evening on the Franklin site  
**ElizabetS2:** So many great resources!  
**DavidWe:** Thanks, Karen, great session  
**KarenE:** I also have links to most of these in my TI Office  
**GailH:** Is it something that we should/can go to, or is it private space?  
**DavidWe** . o O ( office hours? )  
**KarenE:** not private  
**KarenE:** my TI office is for anyone to visit  
**DavidWe:** Most offices are open for people to look at  
**GailH:** I don't know how I would find it.  
**DavidWe** smiles  
**KarenE:** Search for **KarenE**  
BJ smiles too  
**KarenE:** and it will be linked there  
**KarenE:** from the search page  
**GailH:** Or at least I wouldn't be so bold as to snoop w/o being invited like this.  
**DavidWe** . o O ( another way is to type /showprofile KarenE )  
**BJ** . o O ( use the search tab in the top right of your screen )  
**SarahMor:** I will as well. I suppose that I have one thing in mind and I am having trouble accepting other possibilities for ideas

**GailH** . o O ( confused )

**SarahMor**: I really need to surf and accept

**GailH**: Search for people or places.

**BJ**: it's easier to search for people, Gail

**DavidWe**: Yes, it takes some practice, Sarah

**BJ**: or, we can join Karen when she goes to her office again...

**KarenE**: whoops....I was proving myself right and wound up in my own office

**KarenE** -)

**DavidWe** smiles

**DavidWe**: That works...

**GailH**: I was going to follow and bookmark it!

**GailH**: Sorry to lead us astray.

**BJ**: and then click on ADD TO MY FAVORITES to the left of the favorite places menu when you get there

**AmandaLeg**: Thanks for the resources

**AmandaLeg**: sincerely

**DavidWe** is going to watch the vice-presidential debate in a few minutes

**GailH**: OK, I will find it. Great ob.

**KarenE**: It was great to meet all of you!

**GailH** wants to watch too.

**KarenE**: (and to see Gail and Dave again!)

**DavidWe**: Thanks again, Karen

**KarenE**: You're welcome!

**KarenE**: Any time!

**DavidWe**: Good to see you too, Karen

**KarenE** left the room (signed off).

**GailH**: Yes, thanks. We should do this again before too long!

**ElizabetS2**: Thank you Karen. I had no idea about the Franklin site until today- thank you for opening my eyes. I am off to go do some more surfing!

**DavidWe** agrees with Gail

**DavidWe**: Come to Philadelphia, Elizabeth - the cradle of Democracy

**DavidWe** smiles

**GailH**: David, thanks for facilitating tonight.

**SusanR**: tremendous depth to the Franklin Institute, Karen

**DavidWe** vamps for the city of brotherly love

**DavidWe**: Welcome, Gail. Thanks to you for being here as well

**DavidWe**: Good night, folks.

**SusanR**: goodnight all..thank you