

Title of Session: LOC Learning Page – Science and Inventions

Moderator: Leni Donlan

Title of File: 20031218loc

Date: December 18, 2003

Room: After School Online Room

LeniD: We'll let BJ round up any stragglers, and then we'll begin.

LeniD: This could be it, for tonight. I fear the holiday activities have captured our usual audience.

BJ: How about if we start with introductions, Leni?

LeniD: Please, BJ...thanks!

BJ: I'm a teacher in Pennsylvania and a helpdesk volunteer for Tapped In

LeniD: I'm Leni Donlan, coordinator of the Learning Page project at the Library of Congress.

GailP: I'm Gail - retired library media specialist now working with the Learning Page at the Library of Congress - and Leni!

LeniD: Beau and Susan?

BJ: Sue? Beau?

BJ chuckles

LeniD: Double teamed ya!

SusanR: I'm a K to 8 Occasional Teacher from Ontario, Canada

GailP: Great minds think alike

BeauB: High school social studies teacher that received an American memory grant from loc

GailP: What is an Occasional Teacher - quick question!

LeniD: Thanks...I was wondering that, too!

LeniD: Beau, are you an American Memory Fellow? or???

SusanR: a fancy name for a substitute teacher...that's what they call us in Ontario

GailP: Beau - a recent grant?

GailP: Thanks, Susan!

LeniD: Ah...that explains it, Susan. Thanks.

BeauB: yes, Fall 2003, and I'm from South Carolina

LeniD: The Adventure of the American Mind project, Beau?

BeauB: Yes Leni

LeniD: Thanks

LeniD: While we usually share topics that are generally considered history, tonight we would like you to think about inventors and their inventions, scientists and their work.

GailP: That's great, Beau - welcome!

BJ: How great that you could join us, Beau!

LeniD: Thomas A. Edison said, "Genius is one percent inspiration and ninety-nine percent perspiration."

BJ agrees

LeniD: Thomas H. Huxley suggested that one should, "Sit down before fact as a little child, be prepared to give up every conceived notion, follow humbly wherever and whatever abysses nature leads, or you will learn nothing."

LeniD: Sooo...

LeniD: What leads some scientists and inventors to great success and others to frustration and failure?

LeniD: And...

LeniD: How do you engage your students in considering such questions?

BJ: are you going to give us some ideas, Leni?

GailP -)

LeniD -)

LeniD: We believe you have to tie such question to their own lives...and you have to catch their attention and imagination first.

BJ nods

LeniD: We are building a new activity on the Learning Page that will be published in a week or two.

LeniD: We would love your feedback about this activity, so will share some of it with you tonight.

LeniD: OK?

LeniD: Then, we will give you a lightening quick tour of the resources available to as you plan learning activities dealing with science and invention and look for primary sources to support your curriculum. Are you ready?

BJ looks forward to seeing the new activity

GailP: Leni is practicing the power of positive thinking about timing - but truly - we would LOVE your input!

LeniD: Click on this link...

LeniD: [http://lweb2.loc.gov/cgi-bin/query/i?pp/ils:@filreq\(@field\(NUMBER+@band\(cph+3c14835\)\)+@field\(COLLID+npco\)\):displayType=1:m856sd=cph:m856sf](http://lweb2.loc.gov/cgi-bin/query/i?pp/ils:@filreq(@field(NUMBER+@band(cph+3c14835))+@field(COLLID+npco)):displayType=1:m856sd=cph:m856sf)

SusanR is anxious to view the new resources

BJ: Hmmmmm...not sure that will work, Leni

GailP: Leni - this link came up very strangely

LeniD: (may have to copy paste it?)

GailP: yes

LeniD: Oh dear...let's try another one...

LeniD: <http://photoswest.org/cgi-bin/imager?00185179+Rh-179>

GailP: That worked fine!

LeniD -)

LeniD: What in the world is this???

BJ: a switchboard?

GailP: good thought, BJ

LeniD: Good guess, BJ

BJ: a phonograph

GailP: but no

LeniD: What do you see?

GailP: no again

LeniD: What prior information do you bring to this image that suggests what this may be showing?

LeniD: What do you know about the image and/or the objects in it?

BJ: I see the sound horn...

SusanR: Is there a camera there?

BJ: and what looks like a microphone?

LeniD: Keep going...

BJ: a radio?

GailP: Lots of wires!

LeniD: Ahhh...why do you think that, BJ?

BeauB: radio with vintage speakers?

BJ: process of elimination

BJ: also looks like a code key on the shelf

BJ: o O (Morse code)

LeniD: You are doing great!

LeniD: [http://memory.loc.gov/cgi-bin/query/r?ammem/hawp:@field\(NUMBER+@band\(codhawp+00185179\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/hawp:@field(NUMBER+@band(codhawp+00185179)))

GailP: won't work

SusanR: You are certainly testing our powers of observation

LeniD: I see that, Gail

BJ: let's try to copy and paste

BJ: Beau, click on the actions drop down menu and scroll down to send to pasteboard

BeauB: ok

LeniD: Did you get it?

BJ: then highlight the url and use keyboard commands to copy and then paste to a browser window

SusanR: Got it

GailP: Try this link:

LeniD: Great, Susan!

LeniD: Old-time battery radio / photo by Harry M. Rhoads.

SusanR: convert it to tinyurl.com

GailP: [http://memory.loc.gov/cgi-bin/query/r?ammem/psbib:@field\(DOCID+@lit\(p13006\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/psbib:@field(DOCID+@lit(p13006)))

BeauB: [http://memory.loc.gov/cgi-bin/query/r?ammem/hawp:@field\(NUMBER+@band\(codhawp+00185179\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/hawp:@field(NUMBER+@band(codhawp+00185179)))

BJ: Ha! I was right!

GailP: Sorry - it won't work either!

BeauB: shut out

GailP: Yea, BJ!

BJ: Beau, paste to another browser window...like the one we were looking at

SusanR: Try it now <http://tinyurl.com/yrtzl>

LeniD: LOL...looks as though we are all speaking an exotic language. BJ, what's happening with Tapped In, tonight? Yikes!

BeauB: that worked

SusanR: I pasted it into www.tinyurl.com ... Leni and Gail and it shortened the link

LeniD: Thanks, Susan...trying that. I love learning from our participants!

GailP: Me too! I can't seem to copy the url, though! But I'll keep working on it!

SusanR: Actually I picked that up from JeffC

LeniD: BJ...remind me how to copy/paste?

BJ . o O (Gail, you have to send to pasteboard from the actions menu to copy)

BJ: use control C and control V to copy and paste

LeniD: Oh dear...that I know. I can't seem to paste from the chat window.

LeniD: Moving right along...

SusanR: Actions...send to Pasteboard..then copy and paste

BJ: no, you can't copy from the chat window, but you should be able to paste in the chat window

GailP: Same problem - Leni - maybe you should just try some of the sites from the community ctr

BJ . o O (or let Sue put them up as tiny urls)

SusanR: I will be glad to do the tinyurls

LeniD: Assuming this whole activity was working...

BJ: it's working well, Leni...we're all learning from each other@

LeniD: Thanks, Sue...may need you to do that..

BJ . o O (we're perspiring)

LeniD: How can you guide your students? observation and thinking skills as they try to solve this mystery?

LeniD: How would you use photos like this with your students?

BeauB: to describe period of the Great Depression

LeniD: Tell us about what you would do with the photo, Beau

GailP: In the activity we will have 10-15 "interesting" and "unusual" images like this.

JeffC joined the room.

LeniD: Where in the learning process would you use a "mystery" image?

BJ: we have tons of prior knowledge to help us identify the parts in the picture...

SusanR: I would use your strategy...

BJ: how many kids would recognize that horn as a speaker?

BJ . o O (or the microphone?)

LeniD: True, BJ...but how do you tease it out of kids?

LeniD: Go on, Susan

LeniD: Welcome, Jeff!

BeauB: To try and give students a sense of how far technology has come. Today a radio could be the size of a dime, with ear plug speakers. The visual gives students a concrete idea on how to start a discussion on how far technology has come.

SusanR: Keep them guessing ...while giving clues

JeffC waves

GailP: That's a great thought - change over time!

LeniD: True, Beau It engages the students interest and becomes a good "starter" activity.

SusanR: A picture is worth a thousand words

BeauB: Especially when they have no idea what an 8 track is.

LeniD: Good tactic, Sue

BJ chuckles. Right, Beau..poor deprived dears!

JeffC: how about those vinyl cds?

BeauB: true, true

GailP: Or the Edison cylinders!

LeniD: Well, as Gail told you...we will be providing a thought provoking interactive activity that engages their imagination and curiosity...we hope! Watch for it soon

LeniD: Are you ready for the promised resources for you??? Buckle up tight, because here we go!

LeniD: Sue...may need your help with URLs.

LeniD: Lesson plans

LeniD: Studying about conservation? Here's one about an ongoing water controversy in the Western United States:

LeniD: <http://memory.loc.gov/learn/lessons/97/conser1/xroads.html>

GailP: That url worked fine, Leni

SusanR: Got it

LeniD: Learning Page links are much more "predictable"

LeniD: My son and daughter-in-law practice conservation law in CA...was thrilled to hear them speak about cases dealing with Hetch Hetchy...the controversy continues!

LeniD: Another lesson...

LeniD: Studying weather and natural phenomenon? Take a look at Nature's Fury!

LeniD: <http://memory.loc.gov/learn/lessons/00/nature/index.html>

BJ: that story continues too!

GailP: the Gallery of Artifacts is a great page in this lesson:

GailP: <http://memory.loc.gov/learn/lessons/00/nature/gallery.html>

LeniD: Thanks, Gail

LeniD: Thank you, Mr. Edison....

LeniD: <http://memory.loc.gov/learn/lessons/99/edison/intro.html>

LeniD: And some Collection connections to help you delve into topics dealing with science and invention....

LeniD: Alexander Graham Bell Family Papers at the Library of Congress

LeniD: <http://memory.loc.gov/ammem/ndlpedu/collections/agb/>

LeniD: Evolution of the Conservation Movement, 1850 - 1920

LeniD: <http://memory.loc.gov/learn/collections/conserv/index.html>

LeniD: Here comes one of my favorites...

LeniD: Inventing Entertainment...

LeniD: <http://memory.loc.gov/learn/collections/ed/index.html>

GailP: Each of these Collection Connections will provide you with a link to the collection itself.

LeniD: Here's a special presentation from the American Memory collections:

GailP: But the Connections are a wonderful source for teaching ideas!

LeniD: Documenting Chronology of Selected Events in the Development of the American Conservation Movement, 1847 - 1920.

LeniD: <http://memory.loc.gov/ammem/amrvhtml/cnchron1.html>

LeniD: Exactly, Gail...they give context and strategies for teaching with the collection they describe.

LeniD: Here's a wowser....

LeniD: From Exhibitions:

LeniD: Earth As Art...

LeniD: <http://www.loc.gov/exhibits/earthasart/>

BJ: that is very cool!

LeniD: I love that one, BJ!

GailP: This would be great to use in geography class too!

LeniD: Yep, Gail

BJ: I think the url was on one of the Scout Reports

LeniD: Cool!

LeniD: Now put on your leather and helmets for...

LeniD: Hog Heaven...

SusanR: Neat

LeniD: <http://www.loc.gov/rr/scitech/harley100/>

LeniD: Glad you liked it, Susan

GailP: I love this one - comparing US and British inventions:

GailP: <http://www.loc.gov/exhibits/british/brit-5.html>

LeniD: LOL...that was my next one, Gail!

GailP -)

GailP: Back seat driver!

LeniD: Another Exhibition...

LeniD: The Work of Charles and Ray Eames...

LeniD: <http://www.loc.gov/exhibits/eames/science.html>

LeniD: And something you may never find...

LeniD: Science Tracer Bullets, Online

LeniD: <http://www.loc.gov/rr/scitech/tracer-bullets/tbs.html>

LeniD: That last one is worth serious exploration when you have time, folks!

LeniD: And a lighter touch...

LeniD: With Wings as Eagles...From Fantasy to Flight

LeniD: <http://memory.loc.gov/ammem/ndlpedu/features/flight/index.html>

SusanR: Fascinating!

LeniD: The Science Tracers, Sue?

LeniD: For your students....

LeniD: Edison's Failed Invention

LeniD: http://www.americasstory.gov/cgi-bin/page.cgi/aa/edison/fail_1

GailP: With Wings as Eagles is full of images that you could use as "teasers" with your students!

LeniD: Definitely, Gail!

LeniD: Everyday Mysteries...

LeniD: <http://www.loc.gov/rr/scitech/mysteries/mysteries-home.html>

GailP: Keep your eyes on this one - it should be expanding!

LeniD: Yep!

LeniD: The Invention of the Ice Cream Cone..

LeniD: http://www.americaslibrary.gov/cgi-bin/jb_date.cgi?month=07&day=23&x=15&y=14

LeniD: Kitty Hawk, North Carolina...First Flight...

LeniD: http://www.americaslibrary.gov/cgi-bin/page.cgi/es/nc/ktyhwk_1

GailP: Check out the Wright Papers - 50,000 items

GailP: <http://memory.loc.gov/ammem/wrighthtml/wrighthome.html>

LeniD: Do we have

LeniD: wind burns, or whiplash, folks? All of these links can be explored at your leisure using the transcript from tapped in or the edited transcript from the Learning Page.

LeniD: These resources and MANY more can be found in the Science and Invention Community Center:

LeniD: http://memory.loc.gov/learn/community/cc_science.php

BeauB: Thank you greatly, awesome resources

LeniD: Thanks, Beau...hope they are helpful.

LeniD: We invite you to explore and enjoy them!

LeniD: Please join us next month when we will be talking about the “Branding of America” and sharing a collaborative project for you and your students!

GailP: Susan, can you turn this into a tiny url that might work:

[http://memory.loc.gov/cgi-bin/query/r?ammem/psbib:@field\(DOCID+@lit\(p13006\)\)](http://memory.loc.gov/cgi-bin/query/r?ammem/psbib:@field(DOCID+@lit(p13006)))

SusanR: Thank you!!!

SusanR: yes

GailP: Just a fun image to end with

LeniD: You are welcome...thanks for helping Sue!

SusanR: <http://tinyurl.com/29c8y>

LeniD: thanks! That's a very cool page, Sue.

SusanR: . o O (Thanks to Jeff C for the tiny url tip)

LeniD: Gail...didn't use that one because the name is on it!

LeniD: Thanks, JeffC!

GailP: Yep, I know, but it was all I could think of

LeniD: Any questions? comments?

JeffC: any time

LeniD: Thanks for joining us...

LeniD: and...

LeniD: Have a wonderful holiday season...see you next year!

SusanR: Thanks Leni and Gail

GailP: Great to be here tonight

BeauB: Thank you, and I wish you the same.

BJ: Thanks, Leni and Gail...great resources

LeniD: Thanks for joining us, tonight!

GailP: Come back next year!

BJ: January 22

LeniD: Branding of America...see how YOU and your students can Make History with the Library of Congress! See you then

LeniD: Good night!

GailP: Good night all