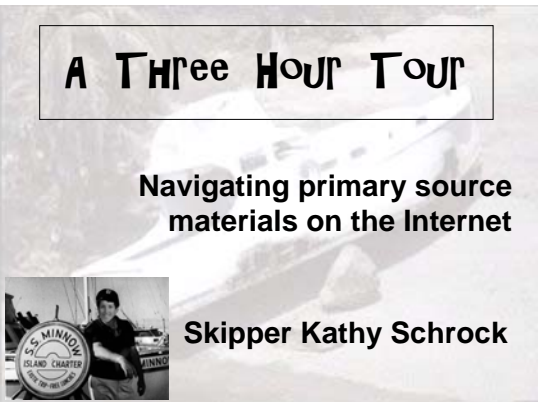



## A THREE HOUR TOUR

**Navigating primary source materials on the Internet**



**Skipper Kathy Schrock**

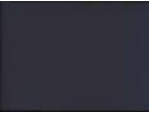



Just sit right back and you'll hear a tale, a tale of a fateful trip.

That started from this tropic port, aboard this tiny ship.

The mate was a mighty sailin' man, the Skipper brave and sure.


Five passengers set sail that day for a three hour tour. A three hour tour.

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## Why Use PRIMARY SOURCES?

A morsel of genuine history is a thing so rare as to be always valuable.



*Thomas Jefferson, 1817*

## port to visit: NATIONAL ARCHIVES



The check for the purchase of Alaska  
<http://www.archives.gov/education/lessons/alaska/images/check.gif>

## port to visit: AMERICAN MEMORY



The first telegraph message sent by Morse with transcription, "What hath God wrought?"  
<http://memory.loc.gov/cgi-bin/ampage?collId=mmorse&fileName=071/071009/071009page.db&recNum=0%0D%0D%0D>

## port to visit: 100 DOCUMENTS



Kennedy's Draft Inaugural Address from 100 Milestone Documents (1776-1965)  
<http://www.ourdocuments.gov/content.php?page=milestone>

## Port to Visit: LINKS to the Past



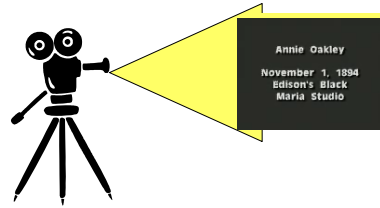
Frederick Douglass' cane  
made by John Brown, 1882



Abraham Lincoln's cane  
given to Frederick Douglass

NPS: Treasures of the Nation  
<http://www.cr.nps.gov/museum/treasures>

## Port to Visit: AM MOVIES



Annie Oakley by Thomas Edison, November 1, 1894  
<http://memory.loc.gov/ammem/edhtml/edmvalpha.html>

## SCHEDULE OF EVENTS

- Definitions and explanations
- Primary resources across the curriculum
- Primary source super-sites
- Tying it all up!
- Supporting Web page:  
<http://kathyschrock.net/navigating/>



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## SCHEDULE OF EVENTS

- Definitions and explanations
- Primary resources across the curriculum
- Primary source super-sites
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## DEFINITION 1

- Primary sources
  - actual records that have survived from the past, such as letters, photographs, videos, and articles of clothing
- Secondary sources
  - accounts of the past created by people writing about events sometime after they happened

<http://lweb2.loc.gov/ammem/ndlpedu/lessons/psources/source.html>

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## DEFINITION 2

- Primary sources
  - original records created at the time or after historical events occurred in the form of memoirs and oral histories
  - may include letters, manuscripts, diaries, journals, newspapers, speeches, interviews, memoirs, documents produced by government agencies, photographs, audio recordings, moving pictures or video recordings, research data, and objects or artifacts

<http://www.lib.washington.edu/subject/History/RUSA/>

## TRANSMISSION OF PRIMARY SOURCES

- Written
- Oral
- Visual
- Electronic



Craver, K. *Using Internet primary sources to teach critical thinking skills in history*. Greenwood Press, 1999.

## WRITTEN TRANSMISSIONS

- Books
- Journals
- Letters
- Annals
- Dissertations
- Public records
- Census data
- Eyewitness accounts
- Scripture
- Inscriptions
- Newspapers
- Diaries
- Chronicles
- Government documents
- Personal or institutional papers
- Genealogies
- Manuscripts
- Laws
- Scrolls
- Period literature and poetry



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## ORAL TRANSMISSIONS

- Speeches
- Anecdotes
- Sagas
- Oral histories
- Music
- Interviews (not videotaped)
- Ballads
- Legends
- Telephone conversations
- Recordings (tape & records)
- Myths



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## VISUAL TRANSMISSIONS

- Sculpture
- Photographs
- Portraits
- Maps
- Cartoons
- Coins
- Videotapes
- Films
- Posters
- Engravings
- Models & dioramas
- Woodcuts
- Architecture
- Etchings
- Relics
- Historical paintings
- Artifacts
- Computer-generated graphics



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## ELECTRONIC TRANSMISSIONS

- Faxes
- Electronic mail
- Machine readable databases
- Web pages
- Instant messaging logs
- Newsgroup postings
- Blog postings
- Voice mail messages
- Podcasts



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## WHY USE PRIMARY RESOURCES?

- Primary sources expose students to multiple perspectives on great issues of the past and present
- Primary sources help students develop knowledge, skills, and analytical abilities

<http://learning.foc.gov/learn/lessons/fw.html>



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## SELECTING PRIMARY RESOURCES

- **Interest:** kinds of sources to use
- **Reading level:** help for use
- **Length:** excerpt or entire thing
- **Points of view:** fair representation
- **Variety of sources:** all types included
- **Location:** where are the sources

<http://learning.loc.gov/learn/lessons/fw.html>

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## JUDGING THE QUALITY

- **Bias Rule**
  - Every source is biased and no piece of evidence should be taken at face value
  - The creator's point of view must be considered
  - Evidence must be checked and compared
- **Time and Place Rule**
  - The closer in time and place a source and its creator were to the event, the more authentic the source

Dillard, Phyllis. "Primary sources: Clues to the past." Information Searcher. 13.3, pp. 3-8

## QUESTIONS FOR ANALYZING

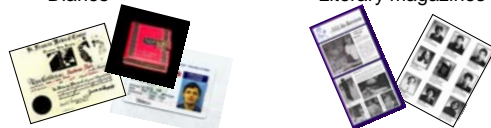
- Who created the source and why?
- Did the recorder have firsthand knowledge?
- Did the recorder produce the source for personal, small group, or large group use?
- Was the source meant to be public/private?
- Did the recorder wish to inform or persuade others?
- When was the info recorded?

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## HISTORICAL RECORDS and Teaching

- **Personal Records**
  - Birth certificate
  - Driver's license
  - Tax returns
  - Social security card
  - Scrapbooks
  - Diaries
- **School Records**
  - Yearbooks
  - School newspapers
  - Blueprints
  - School board minutes
  - Videotaped plays
  - Literary magazines



<http://www.emsc.nysed.gov/cia/dbq/Julie.html>

## SCHEDULE OF EVENTS

- Definitions and explanations
- Primary resources across the curriculum
- Primary source super-sites
- Tying it all up!

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## GREENWOOD PRESS SERIES

- *Using Internet Primary Sources to Teach Critical Thinking Skills in...*
  - Geography
  - Government
  - History
  - Mathematics
  - Sciences
  - Visual Arts
  - World Languages
  - World Literature



## Geography

- Objective of geographical study
  - Explain how places develop characteristics
  - Explain why they are located where they are
  - Explain how they are related to one another
- Any first-hand source
  - With spatial characteristics
  - Dealing with environmental issues



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## Geography

- Types of primary resources
  - Maps
  - Scientific data collection
  - First person accounts
  - Censuses and statistical reports
  - Ground-level photographs
  - Aerial and satellite images



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## Field Notes



"Clark Field Notes- Keelboat"  
William Clark Field Notes, 1804



## PERSONAL TRAVEL NARRATIVES

This valley consists of an undulating prairie, (at intervals rough,) varying in width from the narrow limits of a few yards to the more ample dimensions of four or five miles.

Sometimes, the adjoining hills close in upon the river banks and force the trail among their rugged windings. In one place the road leads over a high stretch of table land for nearly a day's travel, when it again descends to the valley.

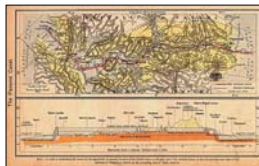
The stream, in places, is tolerably well timbered with cottonwood, oak, and aspen, and rolls over a rocky bed, with a clear and swift current.



"Rocky Mountain Life"  
Rufus B. Sage, 1857

## Maps

The Canal Zone: Profile of the Canal  
*The Historical Atlas*  
William R. Shepherd, 1923



"Topographic Map of Eastham MA"

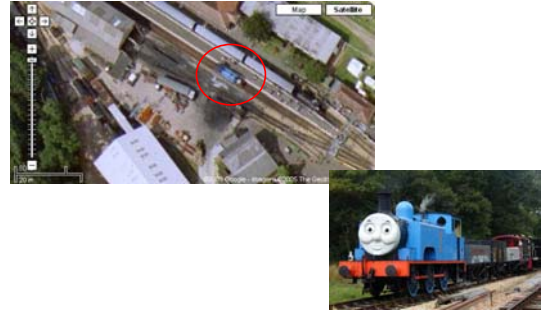
## Aerial PHOTOGRAPHS AND IMAGES



## Aerial Photographs and Images



## Aerial Photographs and Images



## Mathematics

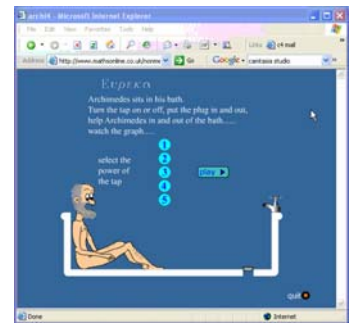
- Types of primary resources
  - Interactive microworlds
    - User manipulates objects to recognize patterns
  - Data sets
    - User makes decisions about selecting data
  - Mathematical procedures
    - Tools that produce a specific outcome



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## Interactive Microworlds

- Bath Time with Archimedes



## Data Sets

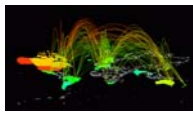
- Hobbes' Internet Timeline

1971  
15 nodes (23 hosts) UCLA, SRI, UCSB, Univ of Utah, BBN, MIT, RAND, SDC, Harvard, Lincoln Lab, Stanford, UIUC, CMU, CMU, NASA/Ames

BBN starts building DMF's using the cheaper Honeywell 316. DMF's however are limited to 4 host connections, and so BBN develops a terminal DMF (TDF) that supports up to 64 terminals (September)

Ray Tomlinson of BBN invents email program to send messages across the network. The original program was derived from two others: an intra-machine mailer (SENDMSG) and an experimental file transfer program (CPYMAIL).

Project Outenberg is started by Michael Hart with the purpose of making books, electronically available. The first text is the US Decla (the wish).



Date	Event	Date	Event	Date	Event
12/1/69	4	07/1/69	120,000	4/50	3,500
04/1/70	8	10/1/69	130,000	8/71	10,000
10/1/70	15	03/1/70	115,000	2/1/70	9,500
12/1/70	18	01/1/70	170,000	11/1/70	14,000
04/1/71	23	07/1/70	185,000	9/1/70	16,000
10/1/71	31	10/1/70	185,000	3/1/71	18,000
04/1/74	42	04/1/70	200,000	4/1/71	20,000
02/1/77	51	07/1/70	200,000	4/1/70	18,000
12/1/79	208	10/1/70	2,110,000	7/1/70	20,000
08/1/81	213	01/1/71	2,110,000	4/1/70	21,000
08/1/82	219	04/1/71	2,400,000	9/1/71	22,000
08/1/83	242	07/1/71	2,770,000	11/1/71	24,000
10/1/84	2,244	10/1/71	2,020,000	10/1/71	25,000
10/1/85	2,244	01/1/72	2,117,000	10/1/71	26,000
10/1/86	2,244	07/1/72	2,117,000	10/1/71	26,000
11/1/86	2,244	07/1/72	2,117,000	10/1/71	26,000
12/1/87	20,174	07/1/72	2,117,000	10/1/71	26,000
07/1/88	33,000	07/1/72	2,117,000	10/1/71	26,000
10/1/88	84,000	01/1/73	4,450,000	10/1/71	26,000
07/1/89	80,000	07/1/73	12,000,000	11/1/71	400,000
		01/1/74	14,100,000	11/1/71	400,000

## Mathematical Procedures

- Image Tool



## Visual Arts

- Online image galleries and virtual tours
  - Paintings
  - Sculptures
  - Prints
  - Drawings
  - Photographs
  - Films and videos
  - Tapestries
  - Architecture



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## Architecture

- Architecture and Interior Design (LOC)



## Architecture

- Architecture and Interior Design (LOC)



Reproduction number: LC-G602-CT-[031] DLC

## Architecture

- Architecture and Interior Design (LOC)



Reproduction number: LC-G612-T-48296 DLC <http://www.painetworks.com/photos/ib/b2372.JPG>

## Architecture

- Architecture and Interior Design (LOC)



Reproduction number: LC-G613-T-59949 DLC  
[http://www.dne.org/business/camp\\_info/indianhead\\_photosite/images/dining-all-upper-level.jpg](http://www.dne.org/business/camp_info/indianhead_photosite/images/dining-all-upper-level.jpg)

## Architecture

- Architecture and Interior Design (LOC)



Reproduction number: LC-G612-T-53352 DLC

## Architecture

- Architecture and Interior Design (LOC)



Reproduction number: LC-USZC2-4250 DLC

## Architecture



## World Languages

- Type of primary resource material
  - Literary sites
  - Online museums and galleries
  - Sites about a particular place
  - Historical figures and events
  - Online media sites



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## MUSEUMS and ONLINE Galleries

- Hermitage Museum



## MUSEUMS and ONLINE Galleries

- The Hermitage: The Malachite Room



## Sites about a PARTICULAR PLACE

- Berlin (Official) Site



## Sites about a Particular Place

- Berlin (Official) Site: The Berlin Wall



## History

- Primary source advantages
  - They provide an instantaneous representation of events
  - They furnish information not found in other sources
  - They do not interpret evidence after the fact
  - They assist in the discovery of truth

Craver, Kathleen. *Using Internet Primary Sources to Teach Critical Thinking Skills in History*. Greenwood Press, 1999.



## Instructional Strategies

- Approaches
  - Assignment: given a question to answer
  - Thematic
  - Database
  - Role-playing
  - Class involvement
  - Counter-factual
  - Simulation

Craver, Kathleen. *Using Internet Primary Sources to Teach Critical Thinking Skills in History*. Greenwood Press, 1999.

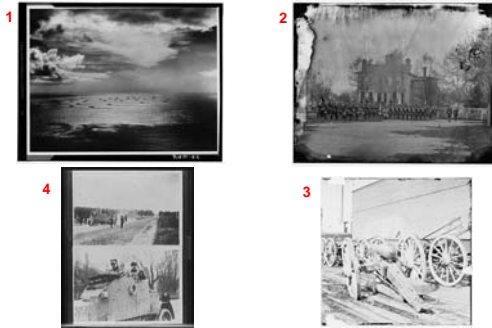


## Themes

- Thematic
  - Traces a pattern or theme
  - Similar incidents compared
  - Develops historical perspective
- Photojournalism: A Record of War
  - <http://memory.loc.gov/learn/lessons/97/photo/home.html>



## Sample War Photographs



## Databases

- Database
  - Online databases of primary sources
  - Example: Census and weather databases
- Weather On Your Birthday
  - <http://wunderground.com/>





## Ideas For Science Sources

- Read Virginia Apgar's paper and discuss how the Apgar Scale is a bit different today

A	Artery (Muscle Tone)
P	Pulse
G	Germine (Gripes Irritability)
A	Appearance (Skin Color)
R	Respiration



## Ideas For Science Sources

- Have students research a scientific anomaly at the *Science Frontiers* site

**Dolphin Refrigerators**

Dolphins and other cetaceans have an overheating problem. For high hydrodynamic performance, their bodies must be nicely streamlined. For males, this means that their testicles must be stored internally. But dolphins are very active animals and their muscles generate considerable heat – too much heat for sperm to survive without some sort of special cooling system. (Recall that human males and undescended testicles may become sterile.) Since dolphins are obviously procreating, evolution must have come to the dolphins' rescue. Obviously engineering solution installs heat exchangers in the dolphins' tails and dorsal fins. Blood heated in the vicinity of the testes is pumped through special veins in the tail and dorsal fin, where it is cooled by seawater and then returned to the dolphins' heat-sensitive innards.

## Ideas For Science Sources

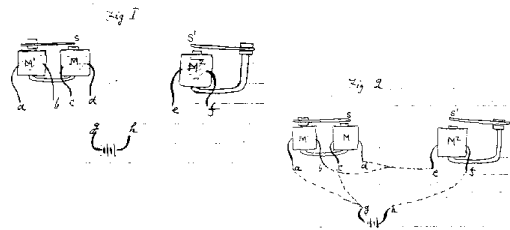
- Discuss the understatement in Watson and Crick's DNA paper

"It has not escaped our notice that the specific pairing we have postulated immediately suggests a possible copying mechanism for the genetic material."



## Ideas For Science Sources

- Discuss what aspect of nature Alexander Graham Bell sought to duplicate



## Ideas For Science Sources

- What is an OCTOTHORPE and how/why was it named?

Hint:

1	ABC	DEF
2	4	5
6	7	8
9	*	0
		#

<http://massis.lcs.mit.edu/telecom-archives/archives/back.issues/2005.volume.24/vol24.iss201-250>

## SCHEDULE OF EVENTS

- Definitions and explanations
- Primary resources across the curriculum
- Primary source super-sites
- Tying it all up



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## American Memory Collection



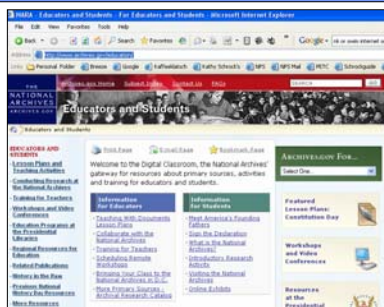
<http://memory.loc.gov/ammem/index.html>

## America's Story



<http://www.americasstory.com/>

## NARA Digital Classroom



<http://www.archives.gov/education/>

## DOUGLASS



<http://douglassarchives.org/>

## Repositories of Primary Sources



<http://www.uidaho.edu/special-collections/Other.Repositories.html>

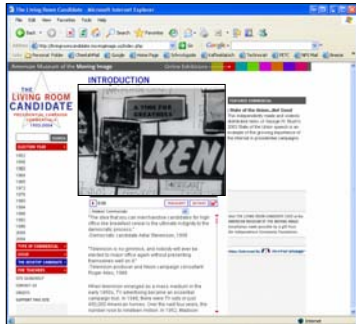
## AVALON Project at Yale Law



<http://www.yale.edu/lawweb/avalon/avalon.htm>



## The Living Room Candidate



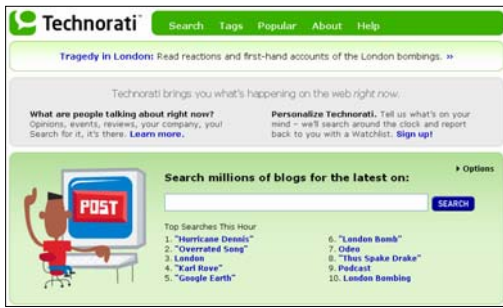
http://livingroomcandidate.movingimage.us/index.php

## United Streaming



http://unitedstreaming.com/

## Internet-Only Primary Sources



## Internet-Only Primary Sources



## Internet-Only Primary Sources



## Internet-Only Primary Sources



## Internet-ONLY Primary Sources



<http://news.bbc.co.uk/1/hi/uk/4659511.stm>

## SCHEDULE OF EVENTS

- Definitions and explanations
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## Tying it ALL up...

- Students need to understand the difference between primary and secondary sources
- Primary sources expose students to differing points of view
- Primary sources can easily be used across the curriculum in various ways
- Great super-sites are available



## D.W. GRIFFITH (1915)

"Imagine a public library of the near future, for instance. There will be long rows of boxes of pillars, properly classified and indexed, of course.

At each box a push button and before each box a seat. Suppose you want to "read up" on a certain episode in Napoleon's life.



## D.W. GRIFFITH (1915)

Instead of consulting all the authorities, wading laboriously through a host of books, and ending bewildered, without a clear idea of exactly what did happen and confused at every point by conflicting opinions about what did happen, you will merely seat yourself at a properly adjusted window...press the button...

## D.W. GRIFFITH (1915)

...and actually **see** what happened."

## The End

- Presentation support site
  - <http://kathyschrock.net/navigating/>
- Sites to suggest?
  - [kathy@kathyschrock.net](mailto:kathy@kathyschrock.net)

