

The Athenaeum of Philadelphia

Teacher's Guide

Grades 6-8

The Greater Philadelphia GeoHistory Network (GPGN) began as a pilot project of the Philadelphia Area Consortium of Special Collections Libraries (PACSCL) to develop a web-based repository of geographically organized historical information about Philadelphia, its geography, its buildings, and its people. Funding for the initial planning stage of the GPGN was generously provided by the Andrew W. Mellon Foundation.

Today, this site contains thousands of old maps, property atlases, city directories, industrial site surveys, and other items documenting the history and development of the city from the 1600s through today.

As conceived, the GeoHistory Network presents more than just maps. It provides the infrastructure and the information necessary to understand historic materials within the context of place and time.

This teacher guide is designed to help teachers use this resource effectively and productively in their classroom. Introducing interactive historic materials into a classroom can inspire students and deepen their learning and understanding of history and geography. This guide is designed to be flexible, so feel free to choose individual activities and modify lessons so that will work best for your class.

Before starting with this guide, please examine the Teacher Resources presented. These resources were provided to give a working knowledge of the subject material and to suggest other activity and teaching ideas. In particular, using visual primary resources can be tricky with younger learners, and the resources provide different structures for teaching this skill.

Through the activities in this guide, students will be able to:

- Use the GeoHistory map database for a variety of purposes
- Understand how to use visual primary resources for research purposes
- Become more familiar with maps, both historic and current
- Understand how and why places change over time

Academic Standards

Grade 6

This guide includes activities that cover many different Academic Standards. By using this guide, students will meet a wide variety of standards, including (but not limited to):

Geography:

7.1.6.A	Geographic Tools	Describe how basic geographic tools are used to organize and interpret information about people, places and environment
7.1.6.B	Location of Places and Regions	Describe and locate places and regions as defined by physical and human features
7.2.6.A	Physical Characteristics	Describe the characteristics of places and regions

History:

8.1.6.A	Continuity and Change over Time	Explain continuity and change over time using sequential order and context of events
8.1.6.B	Fact/Opinion and Points of View	Differentiate between fact and opinion, multiple points of view, and primary and secondary sources to explain historical events
8.1.6.C	Research	Identify a thesis statement using appropriate primary and secondary sources
8.2.6.B	Historical Documents, Artifacts, and Places (PA)	Describe the importance of significant historical documents, artifacts, and places critical to Pennsylvania history
8.2.6.C	Impact of Continuity and Change on PA History	Explain how continuity and change have impacted Pennsylvania history (commerce and industry, technology, social organizations)

Academic Standards

Grade 7

This guide includes activities that cover many different Academic Standards. By using this guide, students will meet a wide variety of standards, including (but not limited to):

Geography:

7.1.7.A	Geographic Tools	Explain how common geographic tools are used to organize and interpret information about people, places and environment
7.1.7.B	Location of Places and Regions	Explain and locate places and regions as defined by physical and human features
7.2.7.A	Physical Characteristics	Explain the characteristics of places and regions

History:

8.1.7.A	Continuity and Change over Time	Demonstrate continuity and change over time using sequential order and context of events
8.1.7.B	Fact/Opinion and Points of View	Identify and use primary and secondary sources to analyze multiple points of view for historical events
8.1.7.C	Research	Form a thesis statement on an assigned topic using appropriate primary and secondary sources
8.2.7.B	Historical Documents, Artifacts, and Places (PA)	Identify the role of local communities as related to significant historical documents, artifacts, and places critical to Pennsylvania history
8.2.7.C	Impact of Continuity and Change on PA History	Explain how continuity and change have impacted Pennsylvania history as related to local communities (commerce and industry, technology, social organizations)

Academic Standards

Grade 8

This guide includes activities that cover many different Academic Standards. By using this guide, students will meet a wide variety of standards, including (but not limited to):

Geography:

7.1.8.A	Geographic Tools	Explain and illustrate how geographic tools are used to organize and interpret information about people, places and environment
7.1.8.B	Location of Places and Regions	Explain and locate places and regions as defined by physical and human features
7.2.8.A	Physical Characteristics	Explain the characteristics of places and regions

History:

8.1.8.A	Continuity and Change over Time	Compare and contrast events over time and how continuity and change over time influenced those events
8.1.8.B	Fact/Opinion and Points of View	Compare and contrast a historical event, using multiple points of view from primary and secondary sources
8.1.8.C	Research	Produce an organized product on an assigned historical topic that presents and reflects on a thesis statement and appropriate primary and secondary sources
8.2.8.B	Historical Documents, Artifacts, and Places (PA)	Compare and contrast the importance of significant historical documents, artifacts, and places critical to Pennsylvania history
8.2.8.C	Impact of Continuity and Change on PA History	Compare and contrast the ways continuity and change have impacted Pennsylvania history (commerce and industry, technology, social organizations)

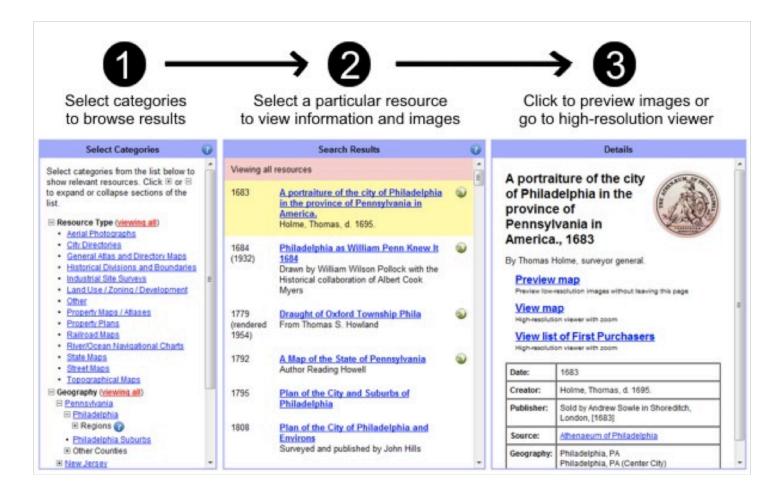
Navigating the GeoHistory Network

The GPGN can be found at www.philageohistory.org

On the Home screen, you have the option to use the RESOURCE BROWSER or INTERACTIVE MAPS VIEWER. Both of these are useful, but will give you slightly different information and require different navigation tools. Click either picture to enter.

Resource Browser

The Resource Browser provides a way to browse through all of the available material on the project. If you choose to enter the Resource Browser, you will see three different columns: SELECT CATEGORIES, SEARCH RESULTS, and DETAILS.



Navigation

Navigating the GeoHistory Network

Select Categories

The resources on GeoHistory have been organized and tagged in various ways. The categories tree on the left side of the page helps you find relevant resources by limiting the list of items to the criteria you select.

Categories are arranged in a hierarchical, expandable tree. To view sub-items of a particular category, click the plus icon . To collapse a particular part of the tree, click the minus icon next to the parent of the section you want to hide. Use the scrollbar to move up and down to view the whole tree.

To select a category, simply click the blue underlined link. Once selected, the category name becomes **red and bold**. To un-select a category, click it again, or click the "view all" link to reset selected categories.

Selecting multiple categories under the same main heading (Resource Type, Geography, Contributor) will display combined results for all categories under that main heading. For those familiar with library searching terms, this is a boolean OR operation.

Example: If you select Street Maps and Topographical Maps, both under the main heading of Resource Type, you will see all maps that are listed as either "Street Map" or "Topographic Map."

Selecting two categories under different main headings will only display those resources that are in both categories. This is a boolean AND operation.

Example: If you select Street Maps under Resource Type, and Philadelphia under Geography, you will see only Street Maps that are also tagged with as being of Philadelphia.

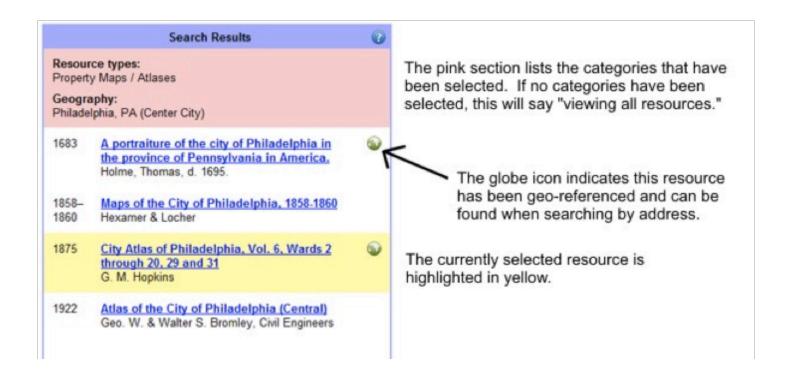
You can mix and match categories under different headings to craft your search. The criteria used displays at the top of the Search Results list.

Navigation

Navigating the GeoHistory Network

Search Results

This column will show the results of the search terms you have selected. At the top (in a pink bar), the Resource Types that you are viewing are listed. Each resource is listed with the date (on the left), the title (in blue and underlined), and the author (if that data is available.



Navigating the GeoHistory Network

Note on Geographical Areas:

Maps are tagged with the highest level area that appropriately describes the map. A map of the entire state of Pennsylvania, or a significant portion thereof, will be tagged as "Pennsylvania," not as any of the individual counties or cities shown. A map that is listed as "Philadelphia" will generally not also be listed as "North Philadelphia," even though North Philadelphia may be included on the map.

If you are doing research on a particular area of a city or state, make sure to look through resources that cover a wider range than the area you are interested in. For instance, if you are researching an area in Northeast Philadelphia, also look for citywide atlases of Philadelphia.

For the sake of indexing the various maps and atlases available on GeoHistory, the city of Philadelphia has been divided into regions. These regions are not "neighborhoods," but are conglomerations of city "Planning Analysis" divisions that facilitate locating appropriate materials in the collections. This list can be found at: http://www.philageohistory.org/rdic-imag-es/common/help/PhilaRegions.cfm

Details

This column provides more information on the Search Result that you have selected. You can choose to preview the map in a low-resolution image without leaving the page. You can also choose to view the map, which will take you to another page with a high-resolution version of the map that you can navigate through.

This column also provides any information about the date, creator, description, source, and geography of the source that is available.

Search By Address

At the top left of the page there is a "Search by Address" tool. This tool is still experimental, and only works for selected maps. Some resources have been geo-referenced, with the outline of the historic map having been plotted with geographic coordinates. With the help of Google's address lookup features, GeoHistory can take an address in or near Philadelphia and provide a select list of maps on which the provided address can be found.

Navigation

Navigating the GeoHistory Network

Navigating Individual Resource Viewing

After selecting to view a resource, you will be taken to another page. This page has a column of information about the resource on the left and the actual map to the right. In the upper right corner of the map viewer screen, there is a selection of tools that can be used to navigate the map.



Hand:

You can use this tool to move around the map. Simply click (or "grab") and drag to move the map in the viewer.

Magnifying Glass:

This tool can be used to zoom in and out of the map. Simply clicking once will zoom in, and clicking while holding Shift will zoom out. You can also click and drag the cursor down to zoom in, and click and drag up to zoom out. You can also zoom by using the scroll function on your mouse.

Magnifying Glass with Box:

With this tool, you can zoom in on a selection. Click and drag a box around the selection you are interested in.

Left/Right Arrows:

By clicking this tool, the resource automatically resizes itself to fit the left and right edges within the boundaries of the viewing box. With a map that is longer than the viewing box, the top and bottom edges will not be within the box.

Diagonal Arrows:

This tool automatically resizes the resource to fit fully within the viewing box.

Print:

This will take you to a new screen that is properly formatted for printing. Follow the instructions in the yellow box for the best results. Many maps will not print well in black and white.



Map Activities

Historical Maps

The Library of Congress provides a great online teacher's guide that helps facilitate this process entitled "Using Primary Sources." Using primary sources can be tricky for young learners, and this system can help you guide them through.

Open the GeoHistory Interactive Maps Viewer. Begin with current maps (such as the "Current Street Map"). Toggle between this map and the "Current Terrain Map" and "Current Aerial Photos". Ask questions to help the students identify how these maps are similar and different.

Select a historical map that shows the same area that you are examining (such as "1843 Philadelphia County"). Toggle between this map and the current map that the class was examining. Ask questions to discover the changes, and discuss what may have caused these changes. Move back through time (via the maps) to explore more about the history of the area.

Map Activities

Class Research Project

This activity is designed to introduce students to primary research, especially through the use of visual sources (such as maps). Research can be done on an individual, small group, or class level. This might be a good opportunity to speak with the school librarian and explore the different research resources available.

Choosing a topic that directly relates to your students or their community, or having your students choose their own topics, will engage them the best. Some suggestions might be:

- Why did people settle in Philadelphia, or your community?
- What were the geographic benefits of this area to the original settlers?
- How did people change the geography of this region to suit their own needs? (In cluding, but not limited to, the changes in the riverfronts, old roads that went away or still exist, etc.)

After choosing a topic (or topics), have the class research their topic in small groups. Help the class identify questions about their topic to answer, and then help them to answer these questions.

Finding a shop, restaurant, hospital, or other historic place in the neighborhood around your school to research might help personalize this activity for your students. To research this, your class might:

- Find this location on current GeoHistory maps, and then trace it back through time to discover when it was built, and what was there before it.
- Visit this location, take a tour, and encourage your students to ask questions about the history of the location.
- Create a timeline as a class, detailing important dates and events.

Child Worker Activities

Learning about Child Workers

Look at the following Hexamer maps that detail the types of workers. What can we learn from these maps?

- Sherwood Knitting Mills. Hexamer General Surveys. Plate no. 686. (1881). Miller St, between Fishers La. And Wistar St., Germantown, PA. http://www.philageohistory.org/rdic-images/view-image.cfm/HGSv16.1539
- Caledonia Carpet Mills. Hexamer General Surveys. Plate no. 710. (1873). 2206-2218
 Linn St, Philadelphia (15th Ward)
 http://www.philageohistory.org/rdic-images/view-image.cfm/HGSv8.0710
- Whitaker & Palmer's Mill. Hexamer General Surveys. Plate no. 1114. Trenton Ave and Sergeant St, Philadelphia (31st Ward) http://www.philageohistory.org/rdic-images/view-image.cfm/HGSv12.1114

Find these addresses in the GeoHistory Viewer. What was in that location before the factory? After the factory? What is there today? How have the neighborhoods changed over time? When did schools start opening in the area?

Use these maps as an introduction to industrial labor practices. Emphasize the child workers of this time. Why did children work during this time?

Watch the YouTube video "U.S. Child Labor, Dorsey Dixon, Babies In The Mill, Newport," and listen to the song lyrics. What are the song lyrics saying about the lives of child workers?

Primary Sources

To facilitate this activity, begin with the Eastern State University resource. They provide selected photographs, cartoons, posters, and other primary resources. The other resources listed provide additional primary resources that would be appropriate for this activity.

Examine primary sources that relate to child labor. Choose one source to analyze as a class to determine what it can teach us about this topic. Particularly discuss who produced these sources, and what their biases might have been.

Have each student or small groups of students select a primary resource. Have them examine this resource as the class did. Identify the biases that this piece holds. Then, create another visual piece that reflects a different or opposing bias. Present this piece to the class.



Child Worker Activities

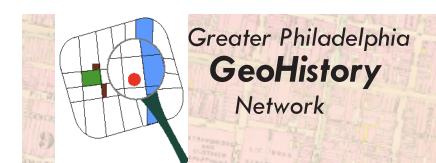
Research

To facilitate this activity, use the reference materials provided that focus on child labor. Before directing students to websites or books, confirm that they are appropriate for the student's level.

While we can learn a lot from photographs and other visual resources, there is still more to learn about child workers. Help the students write a list of questions that they want to explore further. Some examples might be:

- · Why did children work?
- What industries did children work in?
- At what point did children start working in factories? Why?

Help the students find the answers to these questions. This can be done by reading books (there are many books on child labor geared for children), visiting the library, or using online resources. Have the students compile their results, either as a paper, a presentation, a timeline, or some other form.



Child Worker Activities

Legislation

The issue of child labor provides a unique platform to examine the balance of power in the United States at this time in history. The legislative branch attempted to pass federal laws legislating child labor, but the judicial branch repeatedly declared them all unconstitutional through a series of court cases.

The NCLC lobbied heavily for this federal legislation through studies, photojournalism and public pressure. They worked by focusing on specific industries and revealing the "scandal" of child labor. This Committee was instrumental in passing legislation against child labor.

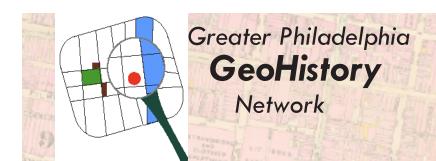
One of the primary cases in this struggle was Hammer v. Dagenhart. This case was used to overturn the Keating-Owen Act of 1916. Roland Dagenhart sued the U.S. because he claimed he had a constitutional right to his son's incomes. A simple online search will yield information about this case.

Have students research and create a timeline of national legislation that affected child labor practices in the US.

Use the resource section of this guide as a starting place. Be sure to note the court cases that led to the repeal of many of these laws. Emphasize the unique balance of power of the US, and how the legislative and judicial branch balance each other. Online searches will help supplement the resources listed here.

Research the state laws that affect child labor practices in your state. Add those to the national legislation timeline.

An alternate activity might be to research the legislation in a specific industry by focusing on the NCLC's role. Textile mills, coal mines, and the "street trades" (such as newsboys) were all prolific industries in Pennsylvania during this time period, and might be a good place to start. Hugh Hindman's book also provides solid background information about these topics.



Child Worker Activities

In-Class Debate

Assign students different roles and have them prepare an in-class debate. Focus on one industry. Have the students research the positions of each role, either as individuals or in small groups, and prepare an argument speech reflecting that position. Some example of roles and industries are:

Textile Workers:

- Southern Factory Owner
 Child labor increases the mill's revenue
 Some jobs can only be done by children because they are small enough
 Does not want the federal government/ northern elite interfering in their private businesses
- NCLC Reformer

Believes that child labor is morally wrong and should be eradicated Uses shocking techniques to show the

Uses shocking techniques to show the horrors of child labor

- Factory Employee (Parent)
 - Doesn't like that their child can't go to school

The family needs the money the child would earn

Child Worker

Will get in trouble if they don't work
Wish they could go to school to learn to
read and write so that they can get a
better job in the future

Newsboys:

- Newsboy
 - Enjoys being independent and earning their own money

Helps out their family with some money

Parent of newsboy

Wishes their child was at school Can't afford to take care of their child Can't force their child to go to school

NCLC Reformer

Believes that child labor is morally wrong and should be eradicated

Uses shocking techniques to show the horrors of child labor

• Business person

Newsboys learn entrepreneurship skills working on their own

These skills are very American, and there's nothing wrong with children learning them from an early age

Feel free to modify or add to these positions, or to focus on another industry. Create a structure for this debate, where each position gives a resolution speech and a rebuttal speech. After the debate, discuss it with the class. Identify the stronger and weaker arguments and discuss why.

One strategy might be to have each position prepare their five-minute resolution speech beforehand. After each position presents their speech, allow the students some time to finalize a rebuttal speech. The students have hopefully anticipated some of the arguments the other positions will make, so they will be able to put this speech together quickly.



For Educators

- "National Child Labor Committee Collection." *Library of Congress.* http://www.loc.gov/pictures/collection/nclc/> [accessed 4/1/11].
- "Childhood Lost: Child Labor During the Industrial Revolution." *Eastern Illinois University*. http://www.eiu.edu/eiutps/childhood.php [accessed 4/1/11].
- "Maps & Geography." *Library of Congress*. http://www.loc.gov/topics/maps.php [accessed 4/1/11].
- Rosenberg, Matt. "Map Reading Basics." About.com Geography. http://geography.about.com/od/studygeography/a/mapparts.htm> [accessed 4/1/11].
- "Child Labor in America 1908-1912: Photographs of Lewis W. Hine." *The History Place*. http://www.historyplace.com/unitedstates/childlabor/ [accessed 4/1/11]
- Hindman, Hugh D. Child Labor: an American History (2002, M E Sharpe).
- Klement, Judy and Elixabeth Park. "Local History: Mapping My Spot." *Library of Congress*. http://www.loc.gov/teachers/classroommaterials/lessons/mapping/index.html [accessed 4/1/11].
- "Using Primary Sources." *Library of Congress*. http://www.loc.gov/teachers/usingprimarysources/ [accessed 4/1/11].



For Students

Resources About Maps

Online Resources

- "What are the Different Types of Maps and Graphs?" www.jrank.org < http://www.jrank.org/history/pages/8346/What-Are-Different-Types-Maps-Graphs.html>. [accessed 4/9/11].
- "Map of Pennsylvania Counties." *My Online Maps*. http://www.myonlinemaps.com/images/pennsylvania-counties-map.gif [accessed 4/1/11].
- "American Fact Finder." U.S. Census Bureau. http://factfinder2.census.gov/faces/nav/jsf/pages/index.xhtml [accessed 4/1/11].
- "Mapping America: Every City, Every Block." The New York Times. http://projects.nytimes.com/census/2010/explorer?ref=censusbureau [accessed 4/1/11].
- "Maps In Our Lives." The Library of Congress. < http://www.loc.gov/exhibits/maps/>
 [accessed 4/1/11].

Book Resources

- Sweeney, Joan and Annette Cable. *Me On The Map*. (1998, Dragonfly Books)
- Harmon, Katharine. You Are Here: Personal Geographies and Other Maps of the Imagination. (2004, Princeton Architectural Press).
- Aberg, Rebecca. *Map Keys: Rookie Read-About Geography.* (2003, Children's Press). Age: 4-8
- Carson-Dellosa Publishing. The Complete Books of Maps & Geography. (2005, School Specialty Publishing). Age: 9-12
- Wade, Mary Dodson. Map Scales: Rookie Read-About Geography. (2003, Children's Press). Age: 4-8
- Mahaney, Ian F. Topographic Maps. (2006, PowerKids Press). Age: 9-12
- Wilson, Robin. Four Colors Suffice: How the Map Problem Was Solved. (2004, Princeton University Press).

For Students

Resources About Maps

Media Resources

- Shaunteaches. "Using a map scale M1." 8/11/2010. http://www.youtube.com/watch?v=t-ckG3ncM8E> [accessed 4/1/11].
- TMWMedia."Geography Tutor Types of Maps and Map Projections." 1/30/2008. http://www.youtube.com/watch?v=Al36MWAH54s [accessed 4/1/11].
- ESRIEdTeam. "Map Projections." 12/9/2009. http://www.youtube.com/watch?v=2LcyMemJ3dE&feature=related [accessed 4/1/11].



For Students

Resources About Child Workers

Online Resources

- "Child Labor Public Education Project." *University of Iowa Labor Center.* http://www.continuetolearn.uiowa.edu/laborctr/child-labor/> [accessed 4/1/11].
- "Child Labory During the Industrial Revolution." *Learning Through History*. http://www.learningthroughhistory.com/newsletter/archives/82007.php [accessed 4/1/11].
- "Child Labor." *Spartacus Educational*. http://www.spartacus.schoolnet.co.uk/USA child.htm> [accessed 4/1/11].
- "Childhood Lost: Child Labor During the Industrial Revolution." *Eastern Illinois University.* http://www.eiu.edu/eiutps/childhood.php [accessed 4/1/11].
- "The Story of My Cotton Dress." *Ohio State University ehistory.* cfm> [accessed 4/1/11].
- "Mr. Coal's Story." *Ohio State University ehistory*. http://ehistory.osu.edu/osu/mmh/childlabor/mrcoal.cfm> [accessed 4/1/11].
- "Samuel Slater, Father of the American Industrial Revolution: Child Labor."
 Woonsocket. http://www.woonsocket.org/slaterchildlabor.html [accessed 4/1/11].
- Wagner, Jennifer. "The History of Child Labor During the American Revolution."
 Immaculata High School Child Slave Labor. October, 2002. http://ihscslnews.org/view_article.php?id=95 [accessed 4/1/11].



For Students

Resources About Child Workers

Book Resources

- Hindman, Hugh D. Child Labor: an American History (2002, M E Sharpe).
- Freedman, Russell. Immigrant Kids. (1980, Puffin Books) 9-12
- Freedman, Russell. *Kids at Work: Lewis Hine and the Crusade Against Child Labor.* (1994, Clarion Books) Age: 10+
- Bartoletti, Susan Campbell. Growing Up in Coal Country. (1996, Houghton Mifflin Company) Age: 9-12
- Bartoletti, Susan Campbell. Kids On Strike!. (1999, Houghton Mifflin Company)
 Age: 10+
- Bader, Bonnie. East Side Story. (1995, Silver Moon Press) Age: 9-12
- McCully, Emily Arnold. *The Bobbin Girl*. (1996, Dial) Age: 9-12
- Isecke, Harriet. Child Labor and the Industrial Revolution: The 20th Century. (2009, Teacher Created Materials) Age: 9-12

Media Resources

• Greanteawoman. "U.S. Child Labor, Dorsey Dixon, Babies In The Mill, Newport." 12/25/2007. http://www.youtube.com/watch?v=xNeBgpuNMSI [accessed 4/1/11].