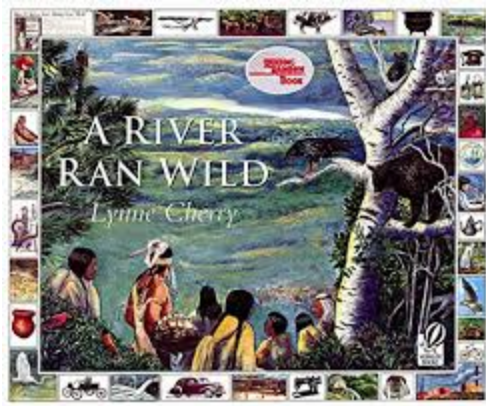


Intermediate Activity

A River Ran Wild



By: Lynne Cherry

Essential Questions for Consideration:

- ***What factors or historical events contributed to pollution and then clean up of the Nashua River?***

Overview:

In this lesson, students will understand and practice sequencing the key historical events and their impact on the Nashua River. This will be done through a timeline activity and mini historical research project.

Materials:

- Pen or Pencil
- Paper
- Scissors
- *Timeline Events* **cut out in advance.*** (See below lesson plan)
- *Research Slip*- 4 copies* (See below lesson plan)
- Internet or library access for research

****If no access to a printer or scissors, have the participant read the 'TimeLine Events' off of a phone or computer. Then have the participant point to the events on the screen to demonstrate the correct chronological sequencing of the historical events.***

Intermediate Activity

Activity:

- 1.) Ask the participant if they know what a 'timeline' is. Responses may include dates, dates on a line, or a line.
- 2.) Give the participants the **cut out** 'Timeline Events.'
- 3.) Explain to the participant that they should sort the dates in chronological order. The oldest dates should be to their farthest left, while the most recent should be all the way to their right.

Answer key by dates:

1400, 1600, 1616-1617, 1628, 1675-76, 1776, 1830, 1848-1860, 1850, 1899, 1910, 1962, 1965, 1970, 1979

- 4.) Check for accuracy and correct chronology of dates. Once all events are correctly in order, have the participant copy them down on a piece of paper or take a picture with a camera if available.
- 5.) Ask the participant if they recognize or know anything about any of these events. Have them explain orally what they know. **Assure the participant that it is okay if they do not know all of these events as they will have an opportunity to explore and learn about these events later in the lesson.**
- 6.) Explain that these events will be important to understanding the story *A River Ran Wild* by Lynne Cherry.
- 7.) Read or listen to *A River Ran Wild* by Lynne Cherry. Encourage the participant to write down 3 things that they either have questions about or want to discuss.
- 8.) Ask the participant to share thoughts, reactions, or questions they have about the *A River Ran Wild*.
- 9.) Return to the original timeline. Ask the participant to **select a minimum of 4 events** that they are interested in learning more about. (***Learning about more or all events is encouraged!***)
- 10.) Give the participant **4 copies** of the *Research Slip* worksheet.
- 11.) Explain to the participant that they should complete one *Research Slip* per event from their timeline.

Example: Event- 1776- Declaration of Independence- one *Research Slip*.
Event- 1830- Indian Removal Act- one *Research Slip*.
- 12.) Have the participant answer each question on the *Research Slip* for each event that they are researching. This should be repeated a minimum of 4 times.
- 13.) Once the participant has completed the research of their timeline events, have the participant discuss the question:
Was this event a factor for the pollution or clean up of the Nashua River?
- 14.) This should be discussed for each event that the participant researched.

Timeline Events

Courtesy of *A River Ran Wild* by Lynne Cherry



CUT OUT PICTURES IN ADVANCE OF TIMELINE ACTIVITY



<u>1970</u> U.S. Environmental Protection Agency (EPA) formed, and Federal Clean Water Act states that all U.S. waters be fishable and swimmable by 1983.	<u>1400</u> Nashua Indian people of Pennacook Confederacy settle along Nashua River.	<u>1965</u> U.S. Congress passes the Clean Water Act.
<u>1776</u> Declaration of Independence.	<u>1600s</u> First colonial settlements in New England.	<u>1965</u> Paper companies along the Nashua River join together to build a treatment plant, and 400-500 young people work for five months to clear trash from Nashua's riverbed and banks
<u>1628</u> Massachusetts Bay Colony Founded	<u>1830</u> Indian Removal Act	<u>1616-1617</u> Indian settlements devastated by smallpox epidemic.
<u>1910</u> Manufacture of Bakelite begins plastic age.	<u>1962</u> Marion Stoddart organizes the Nashua River Cleanup Committee.	<u>1962</u> The city of Leominster gets permission from the Massachusetts Department of Health to dump 150 million gallons of raw sewage per day into the Nashua River.
<u>1675-1676</u> King Philip's (Metacomet) War	<u>1899</u> Largest dam on the Nashua River- the Wachusett Dam in Clinton- is built to provide Boston with water.	<u>1850</u> Paper manufacture, textiles, and shoe products become prevalent industries on the Nashua River.
<u>1848-1860</u> Wave of immigrants come from Europe, many work in the factories.		

Research Slip

What event are you researching from your timeline? _____
When did it happen? _____

What happened? *(Summarize and cite key information about the event from at least 2 different sources)*

Source 1: (copy link to website here)

Date of source: (Try to find current information)

Notes:

Source 2: (copy link to website here)

Date of source: (Try to find current information)

Notes:

Was this event a factor in the pollution or clean up of the Nashua River? Explain why citing specific evidence from your research notes above: _____

Intermediate Activity