Unit Plan Overview for Interdisciplinary Traveling Trunk

Title of Unit: The Triangle Shirtwaist Factory Fire & the Industrial Revolution
Grade Level: 7  
Duration: 2-3 weeks

Developed by: Marianne Berst, Jennifer Craig, Nancy Carroll, Christine Walcott

Aiken Writing Project Summer Institute Teacher/Consultant: Jennifer Craig

South Carolina Academic Standards for two or more content areas:

<table>
<thead>
<tr>
<th>ELA</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
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<tr>
<td>7-1.2, 1.6, 1.7, 1.9</td>
<td>7-1.1, 7-2, 7-3, 7-6</td>
<td>7-1.1, 1.7</td>
<td>7-3, 7-3.4</td>
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<td>7-2.1-.8 / 7-6.1-.8</td>
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<td>7-5.2, 5.5, 5.6, 5.9</td>
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Class Novel

*Smokestacks and Spinning Jennys: Industrial Revolution* (Raintree Fusion: American History Through Primary Sources) by Sean Stewart Price (10)

*Kids on Strike!* by Susan Bartoletti (10)

Literature Circle Novels

(4 copies of each)

*The Triangle Shirtwaist Factory Fire* (Graphic Novel) by Jessica Gunderson
*Ashes of Roses* (Historical Fiction) by Mary Jane Auch
*Uprising* (Historical Fiction) by Margaret P. Haddix
*Bread and Roses, Too* (Historical Fiction) by Katherine Paterson

Text Set

*Flesh and Blood So Cheap: The Triangle Fire and it’s Legacy* by Albert Marrin (2)
*The Industrial Revolution: Investigate How Science and Technology Changed the World with 25 Projects* (2)
*Triangle: The Fire that Changed America* by David von Drehle (2)
*A Brief History of the Age of Steam: From the First Engine to the Boats and Railways* by Thomas Crump (1)
*The Industrial Revolutionaries: The Making of the Modern World 1776-1914* by Gavin Weightman (1)
*What is the Statue of Liberty?* (1)
*The Industrial Revolution with 25 Projects* (1)
*American Experience: Triangle Fire PBS DVD* (1)

Essential Questions

- How do you safely and accurately use lab equipments in the classroom?
- What were the causes of the Industrial Revolution and how did it change the course of history?
- What was the cost of a safe work environment and equal wages?
- Who were the heroes of the Industrial Revolution?
### Vocabulary

<table>
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<tr>
<th>pH</th>
<th>density</th>
<th>primary document</th>
<th>hazardous</th>
<th>acid</th>
<th>base</th>
<th>agriculture</th>
<th>microscope</th>
<th>industry</th>
<th>elements</th>
<th>neutral solution</th>
<th>shirtwaist</th>
<th>compound</th>
<th>litmus paper</th>
<th>perimeter</th>
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<tbody>
<tr>
<td>mixtures</td>
<td>phenolphthalein</td>
<td>pay scale</td>
<td>pH paper</td>
<td>melting point</td>
<td>O.S.H.A</td>
<td>boiling point</td>
<td>industrialize</td>
<td>poverty</td>
<td>chemical properties</td>
<td>labor laws</td>
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### Materials

| Best Water Quality Test kit | Math Bulletin Board Set | various articles found online and listed in lesson plans |
| Posters | Marker | shirt template |
| Markers | Graphing Dry Erase Boards | clothes line and pins |
| Graphing Dry Erase Boards | Master Grids for Math | |
| The Algebra Game | Graphing Mats | |

### Activities

**Science:**
- Creating posters on safety
- Safety procedure lab
- Safety scenarios game
- Safety flash card and equipment hunt
- Safety skits

**Math:**
- Create a timeline for of events after watching Discovery Education video Segments *Positive Result of the Triangle Shirtwaist Fire, The Tragedy of the Triangle...*, *Coffins in the Aftermath of the Triangle...*
- Design graphs and tables that are representative of workers pay scale, work shifts, labor conditions, etc.
- After reading “The Cutter’s Art,” students will summarize the procedure and graph the amount of materials saved and lost by each employee
- Participate in whole group discussions

**Social Studies:**
- Illustrate the changes in farming that result from the Agriculture Revolution, include labels and captions explaining changes
- Create a concept web on the Industrial Revolution.
- Create a Top Ten List for the reasons why Great Britain was first industrialize
- Participate in various read alouds and whole group discussions as itemized in lesson plans

**English:**
- Create a K-W-L anchor chart as a pre-reading activity for the Industrial Revolution
- Literature circles will be used to discuss and respond to various aspects of the Triangle Shirtwaist Factory Fire and how it affected change.
Interactive notebooks will be used for reflection after each literature circle reading and discussion.

A RAFT will be completed representing various players in the novels and history.

As a final assessment, students will design shirts with symbols on the front representing some aspect of our unit- on the back students will write essays answering one of the essential questions from the unit.

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<th>Pre-Writing and Writing Activities</th>
<th>See above</th>
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| Accommodations/Differentiating Instruction | Multi-sensory activities address all learning types. |