

## Lesson Two: From Artisan to Worker: The Industrialization of the Springfield Armory

**Grades:** 9-12

**Time Allotment:** 1 50-minute period

**Curriculum Area:** 20<sup>th</sup> Century History

**Rationale:** Industrialization transformed the Springfield Armory's workforce from artisans to workers, a transformation that would allow unskilled women workers to gain employment during World Wars One and Two.

**Objective:** To provide students with an understanding of how industrialization transformed the workforce of the Springfield Armory in order to prepare them for the introduction of women workers during World Wars One and Two.

### Standards:

USI.1 Explain the various causes of the Industrial Revolution.

B. important technological and scientific advances.

### Materials:

- Overhead projector
- Industrialization overhead (The Industrialization of the Springfield Armory 1812-1865)
- Computers with internet access
- Parts handout

### Procedures:

#### Introduction

Read Industrialization overhead or have students read. approx. 5 min

Get students set up on computers and to Forge of Innovation site. approx. 5 min

#### Focus

Students complete the Handmade vs. Interchangeable Parts Activity approx. 5 min

Break students into small groups and pass out Parts handout. approx. 5 min

Students work in groups to develop their lists. approx. 10 min

As a class write a large list on the board. approx. 5 min

(add anything important you think students missed)

Engage in a class discussion. approx. 10 min

Would life be more difficult if these items didn't have interchangeable parts?

In what ways?

ex. If a part in your computer broke you would have to get a new computer instead of a replacement part.

#### Closure

Assign chapter 6 from *Rosie's Mom* for homework. approx. 5min

**Differentiated Learning:** Students with retrieval problems could be provided with a list of items and asked to circle the ones that have interchangeable parts.

**Assessment:** Students will be assessed on their participation in group work and class discussion as observed by the teacher.