

**Lesson Plan for the Development and Effects of Industrial Technology from  
1799 -1865 Culminating with the Springfield Armory**

**Grades:** First year of high school, U.S. History through the Civil War.

**Time Allotment is optional:** From one to five class periods. A Springfield Armory field trip could be included.

**Curriculum Areas:** History, Language Arts and Vocational Technology

**Rationale:** The history and development of American technology plays a major role in the lives of every American today. Presently, superior technology not only makes the United States the preeminent world military power, technology also makes our daily lives more efficient, convenient and productive. Today, the use of hand tools, cameras and automobiles are just a few examples of adaptive technology, whose foundation was the mechanized processes pioneered at the Springfield Armory. During the first half of the 19<sup>th</sup> century, the Armory developed mechanized processes to create interchangeable parts for fire arms.

**Goal:** The goal of this lesson plan will be for students to know some of the historically important contributions to American technology.

**Objectives:** Using the Armory and the city of Springfield as a springboard, students will read, discuss and work cooperatively to learn about economics, religious beliefs and immigration. Additionally, students will discuss and write about questions relating to war and peace.

**Massachusetts Curriculum Frameworks Standards:**  
**US History**

**US1.27** The emergence and impact of industrial growth throughout antebellum America.

**US1.31** Important religious trends that shaped antebellum America

**US11.1** Various causes of the Industrial Revolution

**US11.2** The important consequences of the Industrial Revolution

**Language Art Standards:**

**4 – Vocabulary and concept development**

**8 – Understanding a text**

**11 – Theme**

**14 – Poetry**

**15 – Style and Language**