Unit: Lowell and the Industrial Revolution

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Lesson Topic: Technology and Environment

Grade Level: High School

State Standards:

Class Time: 45-60 minutes

Objectives:

- To help students make connections between the Scientific Revolution and the Industrial Revolution.
- To introduce the technological advancements of the age
- To have students make a persuasive argument for the most significant invention and analyze the impact of that invention (positive and negative)
- To evaluate the environmental impact of industrialization

Prerequisite knowledge/Background Information:

Materials:

Procedure:

- Opening question: have students define "progress," and ask what they associate with the term.
- Students take notes on new inventions, including the impact of the locomotive, internal combustion engine, electricity, telephone and telegraph, penicillin and other scientific advancements in medicine and civil engineering (including the Lowell canal system)
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Assessment

For homework, students will look for a current periodical article (no more than two years old) on the environmental impact of industrialization, and provide a brief summary and analysis (opinion) of the article.