**Challenge Title**  
The Dawn of Science in Saranac Lake

<table>
<thead>
<tr>
<th>Authors:</th>
<th>Content area:</th>
<th>Grade level:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suzanne Brosseau Petrova Elementary School</td>
<td>Social Studies</td>
<td>4</td>
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</tbody>
</table>

**Standards / Knowledge or Skills addressed:**  
History of Saranac Lake, Research, oral presentation

**Investigative Question:** (needs to be a specific question that will guide and focus students throughout the activity)  
What can the story of E.L. Trudeau teach us today about science?

**Challenge:** (Defines what the students will do – ex: write a lab report, create a brochure, prepare a debate…)  
Make a class poster in which all groups will jigsaw their research of a challenge question.

**Context and prior knowledge:**  
compiling research from the internets, books

**Materials:** (List resources needed, student handouts necessary, lab supplies…)  
- smartboard - HSL wiki site  
- outline for each challenge questions to be researched  
- internet  
- Portrait of Healing - book  
- Health Heroes - pamphlet

**Directions for Students:** (attach all handouts and worksheets needed to complete the challenge)

**Day 1:**  
Background: How old is Saranac Lake? Do you know any history of Saranac Lake?  
Read Health Heroes, beginning story pgs. 3 - 4  
Intro www.hsl.wikispot.org on smartboard, discuss E.L. Trudeau, show pictures, discuss time frame from pictures. Do you recognize any areas?

Present project, challenge and investigative questions

**Day 2:**  
Review  
Introduce rubric and expectations.  
Take questions about the assignment.

**Day 3:**  
Break into groups, draw challenge questions.

I. Who was E.L. Trudeau?  
II. What was the “Saranac Laboratory for the study of tuberculosis”?  
III. What is tuberculosis?  
IV. What is Trudeau Institute?
Day 4:
Research to answer your challenge questions. Use internet, books, articles.

Day 5:
Continue research, get photos

Day 6:
Layout poster - assemble

Day 7:
Complete poster

Day 8:
Present poster parts to entire class
Discuss

If possible have a guest speaker come in for an Oral History of Saranac Lake

Develop quality standards rubic
Challenge Quality Checklist

Title: The Dawn of Science in Saranac Lake

Author(s) ____________________________________________

Date:  ___________________  Class: ______________________

<table>
<thead>
<tr>
<th>Standards / Criteria</th>
<th>Points possible</th>
<th>Points Awarded</th>
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<tbody>
<tr>
<td>As a group complete outline questions to answer group challenge question.</td>
<td>15</td>
<td></td>
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<tr>
<td>Find at least one photo relevant to information</td>
<td>10</td>
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<tr>
<td>Combine photo with research, put to complete sentences to be put on class poster.</td>
<td>30</td>
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<tr>
<td>Must be pleasing to the eye and organized</td>
<td></td>
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<tr>
<td>As a group present orally your section of poster to the class</td>
<td>20</td>
<td></td>
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<tr>
<td>As a group investigate the question, What can the story of E.L. Trudeau teach us today about science? Share, discuss and put into written format. This will be displayed with poster in hall.</td>
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<tr>
<td>Work as a group having all members participate.</td>
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Group score

Total

100

Comments: