

Challenge Title
The Dawn of Science in Saranac Lake

Authors:
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Content area:
Social Studies

Grade level:
4

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
oral history of Saranac Lake
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

Challenge Quality Checklist

Title: The Dawn of Science in Saranac Lake

Author(s) _____

Date: _____ **Class:** _____

Standards / Criteria	Points possible	Points Awarded
As a group complete outline questions to answer group challenge question.	15	
Find at least on photo relevant to information	10	
Combine photo with research, put to complete sentences to be put on class poster. Must be pleasing to the eye and organized	30	
As a group present orally your section of poster to the class	20	
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.	15	
Work as a group having all members participate.	10	
group score		
Total	100	

Comments: