

Learning Activity Template

Title: History of Science

Curriculum: Chemistry and Physical Science

Grade-Level Span: 9- 12

PURPOSE:

Students will recognize impact of historical scientific discoveries on the development of modern society.

DESCRIPTION:

Students will use data bases to research a break through discovery in the fields of chemistry or technology. Students will research what impact this discovery has had in changing society in terms of new technology or science, governmental policy, warfare, economics, health and medicine, cultural influences, and the environment. Students will develop their research into a pictorial power point presentation illustrating the links between their discovery and how it changed society.

ACTIVITIES	CURRICULUM STANDARDS	NETS PERFORMANCE INDICATORS
Choose Topic & Research	I: D: 1,2,3	1, 2, 5
Research: The impact of discovery on: new technology or science, governmental policy, warfare, economics, health and medicine, cultural influences, and the environment	I: D: 1,2,3	1,2, 5
Develop a concept map showing the results of research.	I: D: 1,2,3	4
Use data bases and media sources to create a picture inventory related to discovery	I: D: 1,2,3	1,2,3
Develop and produce a pictorial power point presentation	I: D: 1,2,3	1,2,3,4,5,6
Create a bibliography of written and pictorial sources	I: D: 1,2,3	1,2,5

TOOLS AND RESOURCES:

(List all Web sites, specific software and hardware, and other needs.)

Data Bases: www.isd361.k12.mn.us (Links to research tools)
www.elem4your.org

Microsoft Office: Power Point

Scanner – For book and magazine pictures

Microsoft Office: Word (Bibliography Template and Concept Mapping Tools)

ASSESSMENT:

(How will you assess the students' learning? If you have a rubric, record it here. Be as specific as possible.)

Facet:	Expected Action:	Result of Action:
Explain Interpret Apply	Students will apply, interpret, and explain how science discoveries impact society.	Attempt Achieve Excel
Perspective Empathize Self-knowledge	Students will illustrate through pictorial representations and written conclusions how they perceive, empathize, and realize the effect of science on the development of modern society.	Attempt Achieve Excel

CREDITS (INCLUDING CONTACT INFORMATION):

(Record the names and e-mail addresses, if possible, of those who contributed to the development of this learning activity.)

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COMMENTS:

Before the decease of High Standards, I had student make paper/poster time lines to satisfy the History of Science Inquiry standard.

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