

“Wanted” Lesson Plan

In our hectic librarian world we all need a magical lesson plan or two in reserve. This lesson plan should be able to fit any curriculum and all ages with only slight modifications. In addition it would need to meet common core objectives, teach life long research skills, use UEN Pioneer resources, and contain just a bit of fun and creativity.

Look no longer! Here is a lesson plan that can be adapted for grades K-12 and all curriculums. Just print it out and add it to your file. Even if you are skeptical it will be sitting there when you need a last minute lesson.

As the lesson plan is written now it is geared at junior high school students. To adjust the age you are using it for, adjust the bibliography requirements, topic, length of the mini-biography, and the resources that you teach with it. This lesson plan has been used with CTE, Manufacturing, and Science to date. It could easily be used with PE, Dance, or History. To change the subject just change the title of the assignment and the list of individuals they are researching.

For example, when 7th grade science classes are studying the atomic model, create a list of atomic scientists that contributed to the model of the atom. This is directly connected to their core curriculum. Print out the lists of scientists and cut it up. Then have the students draw names on who they are researching.

Next choose which resources on Pioneer are appropriate for their age and the goals of the curriculum. For 7th graders some examples include SIRS Researcher, World Book Encyclopedia, EasyBib, and Google Advanced Search (limiting to .edu). They then get to practice their skills while creating their very own Wanted poster. Have fun adapting this to your needs. A lesson plan, worksheet, and example finished product follow.

Just print out the next four pages and you are ready to go!

WANTED Posters

Curriculum: 7th Grade Science Standard 1 Objective 1e

Time: 90 Minutes in class

Topic: Atomic Theory Scientists

Content Objective:

Students will understand the development of the atomic model over time.

Language Objective:

Students will be able to use Pioneer, EasyBib, and Google Advanced Search to research and create a mini-biography on an atomic theory scientist.

Materials:

- Example wanted poster

- Computer lab with internet access

- Pioneer

- List of atomic model scientists

- Copy of planning worksheet

- Computer/projector setup for demonstration

Instruction:

- Have students login and blank their monitors

- Show students how to access Pioneer and write down the at home login in case they have homework

- Demonstrate how to use the following Pioneer resources including their citation feature:

 - SIRS Researcher

 - World Book Encyclopedia

 - EBSCO

- Demonstrate how to find and use Google Advanced Search including how to limit to the .edu domain.

- Demonstrate how to use EasyBib to cite websites found using Google Advanced Search.

- Demonstrate how to alphabetize a bibliography.

- Explain that Wikipedia is not acceptable and neither is just pasting the URL of the website.

- Explain how to use the worksheet and what is to be turned in and when it is due.

- Questions

- Let the students choose their scientist and begin research.

- Circulate and help students with their Wanted Posters.

- The teacher will grade the final product and have students discuss their scientists in timeline form with their contributions to the atomic model.

Atomic Theory Scientists

Aristotle
Democritus
Antoine Lavoisier
Isaac Newton
John Dalton
Henri Becquerel
J.J. Thomson
Marie and Pierre Curie
Max Planck
Robert Millikan
Ernest Rutherford
Niels Bohr
Henry Mosely
Erwin Shrodinger
Werner Heisenberg
James Chadwick
Dmitri Mendeleev
Sir William Crooke

To expand for Chemistry or deeper learning:

E. Goldstein
Wilhelm Roentgen
G. J. Stoney
Enrico Fermi
Glenn Seaborg
Lise Meitner
Paul Dirac
Louis de Broglie
Francis William Aston
Frederick Soddy
Hantaro Nagaoka
Hans Geiger
Michael Faraday
J. Pluncker
James Clerk Maxwell
Buckminster Fuller
Enrico Fermi

Wanted Posters Planning Worksheet

Your Name: _____ Your Teacher: _____

Is your poster on one 8.5 x 11 sheet of paper (double sided)? YES or No

Do you have a mug shot (head only) of your individual? YES or No

Full Name (first, middle, & last) of your individual: _____

Birthdate: _____ Death date (or put still "Alive" if living): _____

City & State or Country of birth: _____

In what part of the world did they do most of their work? _____

Copy and paste your citations into a bibliography onto the back of your poster (alphabetical by the first letter of the citation). You need a minimum of 3 online sources (using Pioneer). Remember to include the source of your picture.

Use the example and checklist below to ensure that you have all of the required information on your final draft.

Required Information:

Front:

WANTED

Individual's Name

Mug shot

What they are wanted for

Reward Amount

Back:

Your Name

Your Teacher

Individuals Name

Birthdate

Back Continued:

Death date

Place of Birth

Place of work

Mini-biography

Bibliography

What are they wanted for? What are they famous for? Write a mini-biography about your individual. Use your own words. You need at least 8 complete sentences. Be sure to include at least one interesting fact about what they are famous for or a quote from that individual. Copying from your sources will result in no credit for this assignment!

Name: Jane Doe

Teacher: Mr. Smith

George Washington Gale Ferris (1859 – 1896)

Born: Galesburg, Illinois

George Washington Gale Ferris worked mainly in the American Midwest.

The first Ferris wheel was built and designed by George Ferris in 1890. It was completed in Chicago in 1893. Chicago's Great Bicycle Wheel was built for the World's Fair "Grand Columbian Exposition." The first observation wheel was created to rival the Eiffel Tower to show that America was a technology leader for the world. It took nine steel and iron manufacturers to create 1,200 tons of parts. The largest part was the hollow axle for the wheel. The axle was 33 inches in diameter and 45 feet long (it was the largest piece of steel ever forged). George's Ferris wheel cost \$400,000. It also cost 50 cents a passenger (a hefty price for the 20 minute ride). Over 1.5 million people rode the Ferris wheel for a \$700,000 profit. Ferris never patented his invention.

Bibliography:

Durham, Rose Marie. "Chicago's Great Bicycle Wheel." *Cricket*. Aug. 1993: 20-24. *SIRS Discoverer*. Web. 21 Aug 2013.

"Fast Facts: Ferris Wheels." *Boys' Life*. Aug 2013: 7. *SIRS Discoverer*. Web. 21 Aug 2013.

Lusted, Marcia Amidon. "Ferris's Grand Idea." *Cobblestone*. Feb 2009: 34-36. *SIRS Discoverer*. Web. 21 Aug 2013.

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"10 People Immortalized In Products." *Listverse*. N.p., n.d. Web. 22 Aug. 2013.

