

## Scientist Research and Project

Due Date for Research Paper: February 14, 2013

Due Date for Project: February 26, 2013

For Science the research paper and the project will be treated as two different assignments. You will receive a grade for the (content of the) research paper and a grade for the project. The project will represent the same scientist chosen for your research paper. The scientist must be approved by the teacher.

### The Research Paper

Due February 14, 2013

In the paper you will be writing about the person and his/her background. You will report specifically on one of his/her scientific discoveries. Choose scientists in the natural strands of science (physical, life, earth, or space). Do not choose a scientist in the behavioral field.

You must use at least 2 books as resources to go with any websites that you use. Wikipedia and other blog sites are not acceptable resources.

*This is a research paper. Do not refer to yourself with "I", "me", "my", or "we". Do not give an opinion. Do not talk to your reader.*

#### **The Structure and topics to research and include in the Scientist Report:**

When you write your report, try to answer as many of the following questions as you can. Consider doing a paragraph for each topic:

- Start your report with an **introduction opening paragraph** that states the main ideas that you will be writing about. Then write at least five paragraphs that clearly describe your scientist. Each paragraph should cover one topic (for example, you should have at least one paragraph that covers the scientist, and...).
- **Who was/is the scientist (background):** Give information about when the scientist was born. When did this scientist live, how was he/she educated, where did he/she live? If you can find out, tell why the scientist wanted to research his/her area of specialty. Did the scientist discover other things? What education he/she have? Give any other scientific discoveries he/she made.
- **What was one of his/her scientific discoveries:** Clearly explain what the **discovery** is and how it can be used. Is it used for communication, transportation, food, medicine, science, or something else?
- **When was it discovered?** Give the date or **period** of the discovery. Describe the period as it relates to your scientist's discovery. Were other scientists at the same time researching similar findings? Was the discovery accepted or rejected by his/her contemporaries?
- **What other discoveries led up to this discovery:** Describe the earlier discoveries that led to this discovery, **preceding science**. Give the history of this discovery through the years. For example, the electric arc light preceded and led to the invention of the incandescent light.
- **The importance of the discovery:** Explain why the discovery is important. Has it saved lives, helped transportation, simplified communication, increased the food supply, or conserved energy? Has it been improved upon since it was discovered? Did it lead to other discoveries?
- End the report with a **closing paragraph** that summarizes what you wrote and learned.

**This paper is done in collaboration with the Language Class.**

**5 note cards are checked during Science class Friday Jan. 18<sup>th</sup>.  
Rough draft check for Science class is due Friday Feb. 1<sup>st</sup>.**

**For Science the report will be graded on:**

- Introduction (opening paragraph) - 5%
- Scientist and background (who) – 18%
- Scientist discovery (what) – 18%
- Period of discovery (when) – 18%
- Preceding science – 18%
- Importance of discovery – 18%
- Conclusion – 5%

### **Scientist Project**

Due February 26, 2013

You will present the same scientist to the class through a project. You must identify the major points of your research paper so that the other students will understand who the scientist is and the impact that he/she had made upon the scientific world. The project may include any of the following:

You may dress up as the scientist and talk to the class as if you are that person.

As you dressed up as the scientist, have any student interview you with the questions you provide.

You may do an actual or simulated experiment to show the discovery of the scientist.

You may present the scientist through a poster, tri-fold, PowerPoint presentation, or diorama.

You may do a skit as a monologue or with other actors.

You may write a book, poem, or song.

You may write a news article as if you are a reporter.

You may do a TV news report.

You may make a multimedia broadcast utilizing any other suggestions listed.

You may make a music video to present your scientist, ala Bill Nye.

You may make a video game or animation to present the scientist.

**The teacher must approve all projects.**

**Presentation/Project will be graded on:**

- Organization 20%
- Content 50%
- Grammar 5%
- Eye Contact 5%
- Speaking 5%
- Graphics 15%