5th Grade Inventor WebQuest

WebQuest Description: Students will study about famous inventors and inventions in an attempt to answer the big question,

Grade Level:  3-5
Curriculum:  Science
Keywords:  inventor and inventions
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Introduction

Do you have a favorite invention or machine you use at home or school? Machines are devices that make work easier. What kind of inventions does your family use to make their lives simpler, more convenient, or productive? In this marking period of the school year you will be learning about famous inventors and inventions. You will work independently to complete the assignments and activities found in this WebQuest.

Our WebQuest will conclude with you producing a creative and innovative pod/vodcast highlighting the information you learned about. Furthermore, you will discover how inventors and inventions can positively or negatively impact the world in which we live.

This WebQuest allows you to read, write, discuss, create, research, and play with a number of free Internet software programs, informative web sites, links, games, and simulations. You will also be provided opportunities to watch interesting YouTube type videos about famous inventors and inventions.

Have fun learning about famous inventors and inventions!

* Important - Before you proceed to the Task link on our WebQuest click the link below to watch the introductory video on how young people just like you can invent something special using their imagination and creativity:

http://www.youtube.com/watch?v=urichkR0HN8&feature=fvw

Tasks

During this WebQuest you will work independently as a “Friendly Inventor Research Assistant.” You will research about current or past inventors and inventions that are of interest to you. The “Big Question” I would like you to think about and be willing to comment on is “How does an inventor and his or her inventions impact society or the world in which we live?”

After completing a few WebQuest assignments, games, simulations, challenges, and watching a few inventor and invention videos along the way, you will end the WebQuest by creating a simple podcast presentation via our class Moodle page.

To begin, you will download an inventor research log form. See the research information log form attachment and download link below.

You will use this form to document Internet research you find from the links, web sites, games, simulations, challenges, and videos found in this WebQuest.

After learning about the interesting aspects about the inventors life, take time to write down interesting facts.
about the person and their invention. Keep in mind, you will be using the information you discover as part of your end of WebQuest podcast presentation. As part of the podcast please share some of your own ideas about how the inventor contributed to society.

Also, to locate your inventor information research log forms, WebQuest rubric, and student WebQuest task checklist proceed to the PROCESS link. Look for the downloads found on the bottom of the page. The process link will provide easy step by step directions to complete our inventor and inventions WebQuest. Keep in mind we will be working on this WebQuest for the next 4-6 weeks. Make sure you keep all your notes and printouts in your class "Daily Work" folder. OK! Now let's go have some fun learning about famous inventors and inventions and how they positively impact our lives! Smiles

The Process
Hi everyone! Let's get started.
Follow the directions step by step.
In this unit you will accomplish several tasks:
First - Choose 1-3 inventors from the inventor and invention links below to learn about.
http://www.enchantedlearning.com/inventors/ inventors and invention alphabetical order
http://www.eastpennsd.org/teacherpages/repisjim/_SimpleMachines.html simple machines
http://www.edheads.org/simulation - design a cell phone and work with simple machines
http://library.thinkquest.org/5847/halloffame.htm research by playing some of the games
http://pbskids.org/cyberchase/allgames.html game site problem solving
http://www.thepotters.com/puzzles/kids/inventors.html inventor puzzle site
http://library.thinkquest.org/5847/edisonmaze.htm inventor maze
http://library.thinkquest.org/5847/crossword.htm inventor crossword puzzle
Second - Take time to skim and scan the inventors and their inventions that are listed in alphabetical order on some of the web sites. Use these sites to conduct your research. Try out the games, thinking challenges, and simulations. Watch some of the videos on inventors and inventions. Keep in mind you have other WebQuest assignments, tasks, and a podcast to complete. Use your time wisely.

Third - Download copies of the information research log form. See download attachment below. Neatly complete a research log form page for each inventor you decide to learn about.
Decide whether you want to use either an online research log form or a printed hardcopy form. Be sure to use neat print or cursive handwriting.
Fourth - When you are ready click on one of the inventor and invention links found on this page and begin your research.
Fifth – Remember when researching and filling out your inventor information research log form, at the end of our WebQuest you will be using this information to create a short podcast. You will decide which inventor you would like to portray for an oral podcast presentation. If time permits, you may incorporate a Tux paint graphic(s) or use other multi-media tools to go along with your podcast.
Sixth – Prepare for your podcast by writing a 2-4 paragraph script that includes the information you discovered about your inventor and his or her inventions. Please write your script in your class writing journal. Also see the Quiz link for additional instructions about your script.
Seventh – Before going onto Mr. Repischak's 5th grade class web site and logging onto our class Moodle page, please practice reading the script several times so that the podcast sounds smooth and professional. Please inform Mr. Repischak when you are ready to record your podcast and he will give you a microphone and headset.
Eighth – When you are ready, log onto Mr. Repischak's 5th grade class web site @ http://www.eastpennsd.org/teacherpages/repisjim/ then log into our class Moodle page. You will need your Moodle login and password. Remember, if you forgot, they are posted in your homework assignment books.
Ninth – Once in our class Moodle page click on the Inventor WebQuest Podcast assignment. Read the instructions and record your podcast presentation. Playback and listen to your podcast. Save the podcast as "firstnamepodcast". Ten - When you have completed all the tasks on the student WebQuest task checklist and neatly completed all three information research log forms STAPLE everything together and put in Mr. Repischak's class inbox by ______________. Manage your time wisely. Always remember class and school rules.
Evaluation

You will be evaluated by your teacher using the following rubric and completed student task WebQuest checklist. Please PRINT this page so you will have a hardcopy of both your WebQuest rubric and student task checklist.

WebQuest Rubric:

Student Name
Unacceptable (1)
Acceptable (2)
Excellent (3)

Completed WebQuest Student Task Checklist
none
some completed
all completed

Inventor podcast posted on class Moodle page
not posted
posted with glitches
posted with great fluency and research

Information research log forms completed with correct grammar and spelling
0-1 forms completed with frequent grammar and/or spelling mistakes
2 forms completed with less than five errors in spelling/grammar
all 3 forms completed with less than 2 errors in grammar and spelling.

WebQuest games, simulations, and videos watched
0-1 attempted
2-3 attempted
4 or more attempted

Self-reflection
not completed
Teacher Comments and suggestions

Your Name ____________________________
Class # _____

1. Choose 1-3 inventors from the inventor links below to learn about. Take time to skim and scan the inventors and their inventions that are listed in alphabetical order.

2. Attempt to view and try all WebQuest programs, web sites, links, games, simulations, and videos.

3. Fill out all three of your inventor information research log forms. Then select an inventor you would like to use for your oral podcast presentation. If time permits you may incorporate a Tux paint graphic(s) or use other multi-media tools to go along with your podcast.

4. Write a 2-4 paragraph podcast script that includes the information you discovered about your inventor and his or her inventions. Please write your script in your class writing journal.

5. Before going onto Mr. Repischak's 5th grade class website and logging onto our class Moodle page, please practice reading the script several times so that the podcast sounds fluid and professional. Please inform Mr. Repischak when you are ready to record your podcast and he will give you a microphone and headset.

6. When you are ready log onto Mr. Repischak's 5th grade class website @http://www.eastpennsd.org/teacherpages/repisjim/ and then log into our class Moodle page. You will need your Moodle login and password. Remember, if you forgot, they are posted in your homework assignment books.

10. Print this checklist. Fill it out. Be sure you completed all WebQuest assignments, tasks, and podcast. You can write your self-reflection on your checklist.

11. Put your STAPLED completed student WebQuest task checklist, information research log forms, and rubric in Mr. Repischak's class inbox by ____________________.

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Conclusion

Hooray! You have just completed your inventor and inventions WebQuest! I hope you learned inventors can definitely have a positive impact on society. Remember to keep inventing and making your own inventions and dreams come true!

Sincerely, Mr. Repischak

教师页面

5th Grade Inventor WebQuest Sources to be Acknowledged Include:

- Google Images used for slides related to title, introduction, process, evaluation, conclusion, quiz, teacher web site pages and newsletters.
- Zunal.com
- WebQuest was created on Zunal.com
- WebQuest links, sites, games, and simulations:
  - Reference via Internet - inventors and invention alphabetical order
  - http://www.edheads.org/simulation
  - http://library.thinkquest.org/5847/halloffame.html
  - http://pbskids.org/cyberchase/allgames.html
  - http://library.thinkquest.org/5847/crossword.html
  - http://library.thinkquest.org/5847/edisonmaze.html
  - http://library.thinkquest.org/5847/inventormaze

WebQuest YouTube videos shown:

- http://www.youtube.com/watch?v=urichkR0HN&feature=fvw
- http://video.google.com/videoplay?docid=341446259426583848#simple machine videos
- WebQuest links, sites, games, and simulations:
  - http://www.enchantedlearning.com/inventors/encyclopedia
  - http://library.thinkquest.org/5847/edisonmaze.html
  - http://library.thinkquest.org/5847/crossword.html
  - http://library.thinkquest.org/5847/inventormaze