

The Saugus Iron Works Project-Based Unit: Student Pre-test Survey ~ 1/6/2006

Instructions to Teachers

1. Administer the survey to your students prior to beginning the Saugus Iron Works Project Based Unit.
2. In your own words, tell the students:
 - a. The survey is very important and teachers will review them to ensure all answers are completed as accurately as possible.
 - b. The survey is designed with two purposes. The first page asks questions about technology use. For these questions there are no right or wrong answers.
 - c. The survey also asks questions about the content that will be covered in the next curriculum unit. The class has not yet reviewed the content. The questions are being asked so teachers can find out if some students already know about rocks and minerals and simple machines.
 - d. It is important to answer content questions to the best of their ability.
 - e. If students do not know the answers to the questions, please guess.
 - f. If students do not have an answer to the open-ended question, they should write that they do not know and should not leave the question blank. Writing, "I do not know" is better than writing nothing.
3. If students are absent the day that the surveys are administered, please ask the student to complete the survey the next day that he or she is in attendance.
4. Once all students have completed the survey, please review them and then put them in an envelope and send to Bob Simpson at the Ferryway School.

Saugus Iron Works Student Survey

Name : _____

Teacher: _____

Date: _____

TECHNOLOGY QUESTIONS

1.) Do you have a computer at home?

Yes No

2.) Do you visit web sites on your home computer?

Yes No

3.) Do you download...

a. Pictures Yes No

b. Games Yes No

c. Movies Yes No

d. Music Yes No

4.) Can you communicate on-line using...

a. E-mail Yes No

b. IM - Instant Messaging Yes No

c. chat rooms Yes No

d. message boards Yes No

5.) How many days per week do you work on the computer with your parent or another adult at your home?

a. 0 days per week

b. 1 or 2 days per week

c. 3 or 4 days per week

d. 5 or more days per week

6.) At home, I use the computer for...

a. Doing my homework Yes No

b. Playing games Yes No

c. Chatting with friends Yes No

d. E-mailing Yes No

e. Surfing the web Yes No

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CONTENT QUESTIONS

1.) Which of these are minerals? (check all that apply)

- a. Gabbro
- b. Quartz
- c. Wood
- d. Copper wire
- e. Water
- f. Mica

2.) Which of the following properties **best** describes a material's ability to resist scratching?

- a. Weight
- b. Flexibility
- c. Length
- d. Hardness

3.) Mrs. Briatico has an igneous rock in her collection, where did this rock **most likely** form?

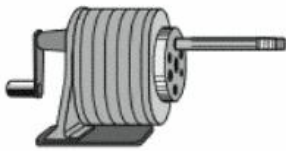
- a. In a volcano
- b. On a forest floor
- c. On a coral reef
- d. At the bottom of a river

4.) Which of the objects below is a simple machine?

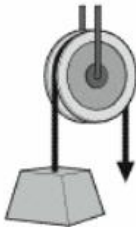
A.



B.



C.



D.



Saugus Iron Works Student Survey

- 5) Your fifth grade teacher has asked you to work in groups to solve a problem. She needs you to find a way to move a heavy rock up a hill. Please describe the steps you would take as you work together to find a solution to this problem. (For example, you might start by talking about different ideas. Please describe the other steps you would take.)

- 6.) Identify the appropriate tool or material used to ...

- a. insert a nail
- b. remove a screw
- c. determine the width and height of a window
- d. cut a piece of wood
- e. hold two steel beams together

