

Geology

Lancaster High School

Name

Date

Block

Rock Collection Project



Each student has to collect and correctly identify 12 to 18 rocks. Bring them to school in a container (an egg carton works well). The presentation in the container is worth points toward the overall grade; see the grading rubric on back.



The rocks must be labeled with a number on the rock and identified with a card or the like inside the box. Numbers can be applied using a computer print of numbers 1-12. Cut out or hole-punched from the paper and applied with white school glue. Make sure you use glue that will dry clear. Put a

Number placed on Rock sample



drop on the rock and then place the numbered paper in the glue. Then place another drop of glue on top of the number. Use a toothpick or push pin to completely submerge the numbered piece of paper into the glue. Be careful not to use too much glue. Wipe away any excess and allow the glue to dry over night.

You must have a minimum of three rocks of each category; sedimentary, igneous, and metamorphic. You may purchase them but it is preferred that you collect them from their natural surroundings. Caution: **don't use any polished rocks**, even though they are very pretty and sometimes expensive, they are very difficult to identify. It is better if they are broken so that you can see the breakage patterns formed or any mineral grains present.



Go out and explore to find the rocks but take extra caution when picking up rocks because sometimes creatures live underneath and may bite. Also never go out hiking alone and obey all posted rules for the area. In our area there are many places to find freshly broken rocks such as in a road cut, new home construction, the foothills, Vasquez Rocks, Devil's Punchbowl, and various other areas in and around the Antelope Valley.

If you have any questions please feel free to ask Mr. Hayhurst **before the projects are due**; not on the day they are due as he may feel a little stressed out on that day and his high stress levels will surly result in a lowered sympathy level for those students with emergencies.

This project will be worth 250 points, a significant portion of the final grade. Therefore, you may want to consider doing this project well.

This project will be due on December 14 for A, B & C blocks and December 15 for D, E & F blocks.

Rock Collection Project



Grading will be done using the following rubric:

Rock Collection Grading Rubric

| Category | Points Possible |
|---|-----------------|
| Number of Rocks _____ x 8.33 points per rock Numbered in carton and labeled _____ points | 100 |
| Presentation _____ Egg Carton, neatness etc. | 50 |
| Identification _____ Each rock is correctly identified, min. of 3 per category | 100 |
| Bonus Points _____ | 0 |
| Late Deduction _____ Subtract 25 points per day late including opposite days, _____ regardless of absences. | |
| Total Score _____ out of | 250 |

