

Name _____

Earth Science

DATE DUE: Wednesday, January 16th, 2013



WEATHERING, EROSION, & DEPOSITION PROJECT

Throughout your school, community and environment weathering, erosion, and deposition are occurring. In this project you are going to go out and find them taking place in our surroundings. In order to accomplish this feat you will need a camera, good eye, and your knowledge of earth science. You need to take six pictures in total from at least three categories listed below. The pictures need to show different examples from each category and you should be in at least three of the pictures. Each picture must be LABELED with your findings, the location, and a brief explanation of the type of process taking place and how it occurs. Your project may be presented as a Powerpoint, Scrapbook (like the Mineral Project) or Video. Your project will be shown to the class! Be creative and have Fun!

PHYSICAL WEATHERING

Frost Action
Plant Root Growth
Abrasion

CHEMICAL WEATHERING

Oxidation-Rust
Hydrolysis-Water/Acid Rain
Caves

DEPOSITION

Beaches
Barrier Islands
Graded Bedding
Horizontal Sorting
Sand Dunes
Unsorted Sediments from Glaciers
Delta
Erratic
Striations

EROSION

Soil Creep
Mudslide
Landslide
Finger Lakes
Sandblasting
Sea Stacks
Wave-Cut Cliffs
Drumlin
Waterfall
Jetties

WORD of CAUTION:

Neatness and effort are included as part of the overall grade. Make sure that each photo is completely explained with the type of process you are attempting to demonstrate. **PHOTOS MUST BE YOUR OWN!!!** There are plenty of good examples around your neighborhood.

Student Name: _____

RUBRIC: WEATHERING, EROSION, & DEPOSITION PROJECT

CATEGORY	20	17	14	10
Components of PROJECT	All required elements are present and additional elements that add to the PROJECT (e.g., thoughtful comments, graphics) have been added.	One required element is missing.	Two required elements are missing.	Several required elements are missing.
Scientific Concepts	Project illustrates an accurate and thorough understanding of scientific concepts underlying weathering, erosion, & deposition.	Project illustrates an accurate understanding of most scientific concepts.	Project illustrates a limited understanding of scientific concepts.	Project illustrates inaccurate understanding of scientific concepts.
Appearance/Organization	Project uses headings and subheadings to visually organize the material.	Project's appearance is good but lacks some organize.	Project's formatting does not help visually organize the material.	Project looks sloppy with cross-outs, multiple erasures and/or tears and creases.
Pictures - Relevance	All pictures are related to the topic and make it easier to understand.	One picture is not related to the topic	Two pictures are not related to the topic.	Several graphics do not relate to the topic.
Labels	All items of importance on the project are clearly labeled.	All but one item of importance on the project is clearly labeled.	Two items of importance on the project are not clearly labeled.	Several items of importance on the project are not labeled clearly.