Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Task #1 Tech Project: The Rock Cycle and Types of Rocks Tri-fold Brochure

Please create a Tri-Fold Brochure about The Rock Cycle for The Randall Rock Museum. We will invite our 3rd graders who studied about rocks last year and our 2nd graders who are starting a unit on the types of rocks to our museum. We will set up our lab benches as a museum with many rocks on display.

Here are some things you should know about this Performance Task:

* You will work on the brochure during Tech Time and class time.
* Your cover must be engaging to your audience.
* The cover must have a title that states the purpose of the performance task. You may be as creative as you wish but your task is to show your understanding of The Rock Cycle and the three types of rocks. A simple example that you could use might be, “The Rock Cycle and The Three Types of Rocks.”
* The three interior panels will explain the three types of rocks.
* Igneous rocks (panel 1, left)
* Sedimentary rocks (panel 2, middle)
* Metamorphic rocks (panel 3, right)
* On each panel:

1. You must include how each kind of rock is formed.
2. You must tell if there are different types of each kind of rock: extrusive/intrusive.
3. You must describe some characteristics of the type of rock: felsic/mafic.
4. You must describe the composition of the rock: what minerals it is made up of/clastic/chemical.
5. You must describe the texture and color of the rock: coarse-grained/fine-grained/foliated/non-foliated,
6. You must include a list with specific names of different rocks in that classification.

* The back cover must include a diagram of The Rock Cycle. You may create one on your own or cut and paste one from the internet.
* You must be able to “teach” our audience about all the steps in The Rock Cycle.
* You must be able to “teach” our audience about each type of rock.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due Date \_\_\_\_\_\_\_\_\_\_\_

Performance Task #1 Tech Project: The Rock Cycle and Types of Rocks Tri-fold Brochure

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| --- | --- | --- | --- | --- |
| **TECH Project: Rock Cycle**  The Rock Cycle and 3 Types of Rocks Tri-Fold Brochure | | | | |
|  | **Meets** **20 pts** | **Approaches** **15 pts** | **Falls Far Below** **10 pts** |  |
| **Content of Front Cover**  Shows understanding of The Rock Cycle and the 3 Types of Rocks | Meets  • The cover must have a title such as “The Rock Cycle and The Three Types of Rocks.”  • The title must be large enough to read and pictures relate to the topic.  • The title and pictures must be enticing to the audience. | Approaches  • An attempt was made to show an appropriate title for the performance task.  • The title and pictures were small.  • The title and pictures were not really enticing to the audience. | Falls Far Below  • There is no evidence of what the performance task was.  • The title was too small to read and the pictures didn't relate to the topic. |  |
| **Content of Inside Left Page**  Igneous Rocks | Meets  • Shows with details how this type of rock was formed.  • Includes descriptions of this rock's composition, color, texture, and characteristics.  • Includes a list of examples of rocks in this classification. | Approaches  • Shows with some details how this type of rock was formed but not completely.  • Includes some descriptions of this rock's composition, color, texture, and characteristics.  • Includes only one example of rock in this classification. | Falls Far Below  • Shows very little or NO details about how this rock was formed.  • Includes very little or NO descriptions of this rock's composition, color, texture, and characteristics.  • Includes NO examples of rocks in this classification. |  |
| **Content of Inside Middle Page**  Sedimentary Rocks | Meets  • Shows with details how this type of rock was formed.  • Includes descriptions of this rock's composition, color, texture, and characteristics.  • Includes a list of examples of rocks in this classification. | Approaches  • Shows with some details how this type of rock was formed but not completely.  • Includes some descriptions of this rock's composition, color, texture, and characteristics.  • Includes only one example of rock in this classification. | Falls Far Below  • Includes very little or NO descriptions of this rock's composition, color, texture, and characteristics.  • Includes NO examples of rocks in this classification. |  |
| **Content of Inside Left Page**  Metamorphic Rocks | Meets  • Shows with details how this type of rock was formed.  • Includes descriptions of this rock's composition, color, texture, and characteristics.  • Includes a list of examples of rocks in this classification. | Approaches  • Shows with some details how this type of rock was formed but not completely.  • Includes some descriptions of this rock's composition, color, texture, and characteristics.  • Includes only one example of rock in this classification. | Falls Far Below  • Includes very little or NO descriptions of this rock's composition, color, texture, and characteristics.  • Includes NO examples of rocks in this classification. |  |
| **Content of Back Cover**  The Rock Cycle Diagram | Meets  • The rock cycle diagram is present.  • The content of the diagram is correct and was found on the internet or designed by the student. | Approaches  • The rock cycle diagram may be present but not entirely accurate. | Falls Far Below  • The rock cycle diagram isn't present or is not accurate at all. |  |
| **Presentation of Brochure**  Presentation to the audience of 2nd and 3rd graders. | Meets  • Very or Fairly neat  • Most pictures are  clearly defined  • Most areas are  understandable  • Colorful | Approaches  • Some area appear messy  • Pictures are  hard to figure out  • Hard to follow  • Not very colorful | Falls Far Below  • No attempt was made to be neat  • Pictures are sloppy  • Quite hard to follow  • No attempt to make it interesting or  colorful |  |

**Total Score: \_\_\_\_\_\_\_\_\_**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Due Date \_\_\_\_\_\_\_\_\_\_\_

Performance Task #2 Tech Project: Rock Poster

You will choose a rock front my table, from nature, from a collection you might have, or from research you have done online. (Please try to choose a rock that you have a sample of so that you can display it with your poster.) Please design a poster to display with your rock in The Randall Rock Museum. We will invite the 2nd and 3rd graders to our museum to view our rocks and interact with the researcher, YOU!

**You will need to do research beginning this Thursday 11/1/12 on the rock of your choice as your homework assignment. Please bring your information to school by Monday 11/12/12, to use on Wed. 11/14/12!!!!**

Your poster must include these things and answer these questions:

* A picture of your rock.
* Colorful and interesting border and fonts that would interest your audience.
* Identification of the type of rock you have chosen and describe how it was formed.
* Is your rock common and found in many places? Where?
* Or is it rare, and found only in a few, special places? Where?
* Most rocks are used to build things you use every day. Is there a special or famous use for your rock?
* A diagram with your rock’s composition, texture, and characteristics.
* A list of your information sources; books, magazines, newspapers, or websites.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Performance Task #2 Tech Project: Rock Poster

Top of Form

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| --- | --- | --- | --- | --- |
| **TECH Project: Rock Poster**  Type of Rock Poster for Randall Rock Museum | | | | |
|  | **Meets** **20 pts** | **Approaches** **15 pts** | **Falls Far Below** **10 pts** |  |
| **Rock Research** | Meets  • Research on rock is highly evident.  • Student spent an obvious amount of time researching all the expected details and more. | Approaches  • Research on rock is somewhat evident.  • Student spent an some amount of time researching all the expected details. | Falls Far Below  • Research on rock is barely evident.  • Student spent very little amount of time researching all the expected details. |  |
| **Content of Poster** | Meets  • Includes a picture of rock.  • Includes a border and interesting font.  •Identification of the type of rock chosen with description how it was formed is evident.  •Questions from performance task description page are included with detail.  • A list of information sources; books, magazines, newspapers, or websites is evident. | Approaches  • Includes a picture of rock.  • Includes a border and font.  •Identification of the type of rock chosen with description how it was formed is somewhat evident.  •Questions from performance task description page are somewhat included with detail.  • A list of information sources; books, magazines, newspapers, or websites is somewhat evident. | Falls Far Below  • Does NOT includes a picture of rock.  • Does NOT includes a border and font.  •Identification of the type of rock chosen with description how it was formed is NOT evident.  •Questions from performance task description page are NOT included with detail.  • A list of information sources; books, magazines, newspapers, or websites is NOT evident. |  |
| **Presentation of Poster**  Presentation to the audience of 2nd and 3rd graders. | Meets  • Very or Fairly neat  • Pictures are  clearly defined  • Most areas are  understandable  • Colorful | Approaches  • Some area appear messy  • Some pictures are  hard to figure out  • A little hard to follow  • Not very colorful | Falls Far Below  • No attempt was made to be neat  • Pictures are sloppy  • Quite hard to follow  • No attempt to make it interesting or  colorful |  |

Bottom of Form

**Total Score: \_\_\_\_\_\_\_\_\_**