Mineral Properties Standard Based Activities

Standard: Students will classify rocks based on their process of formation.

Learning Goal: Students will classify they types of igneous rocks by their process of formation.

The activities below are designed to show your understanding of how to distinguish between the types of Igneous Rocks. You have the option to choose which activity you wish to complete based on your overall readiness level. A choice may also be provided to you based on teacher observation and work samples collected. Each option has a grade which is based on three levels of understanding. The grade correlates to the effort required to complete each task. Once you make your choice you must stick with it and must include all the components as required to get obtain that grade. You may increase your score by taking a written test based on the learning goal the test can be found on the back of this page so that you are aware of what you should know. Your test score will be averaged with your choice activity to give you a final standards based score example. You completed the Easy Assignment and your score is 75. You take the quiz and get a 100. 75+100=175 175/2=88. Your grade based on your activity and test grade will give you a standards based grade of 88 to show mastery of standard.

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| Topic/Lesson  Classify Igneous Rocks based on their process of formation | EASY ( grade 73)2.0  Create a foldable  /brochure of the types of igneous rocks. In your brochure discuss the formation, composition, texture, and identify given picture samples based on identified characteristics. | EXPECTED 3.0 (grade 85)  You will be given  Several sample pictures of igneous rocks. Yyour task will be to determine the texture, color, and visible features. Once you are finished completing the chart for each of the igneous rocks you will be responsible for answering the checkpoint questions.  This activity is an independent activity and will not require the aid of the teacher or peers. You are to use the information learned to distinguish between how the rock is being classified. | EXTENDED 4.0 (grade 100)  You will be responsible for identifying Igneous rocks based on an identification chart. Igneous rocks are easy to recognize if you are able to identify the percentage of dark and light colored minerals within a sample. In this activity you will learn to read an igneous classification chart to identify types of igneous rocks. This activity is an independent activity and will not require the aid of the teacher or peers. You are to use the information learned to distinguish between how the rock is being classified. |
|  | Grade:  Comments: | Grade:  Comments: | Grade:  Comments: |