## Overview
Teacher will be introducing students to volcanoes. Teacher will discuss where volcanoes are located, why, and how they erupt. After learning key terms and the necessary information students will complete a short essay or story about volcanoes using the 10 specified vocabulary words. The teacher will ask students to post their writing on a creative writing website, www.SlapaStory.com. On this site students in the class will vote on which pieces of writing they like best. Once all the voting is complete, the pieces chosen will be compiled into a classroom book about volcanoes.

## Objective
Teachers will introduce the following kinds of volcanoes:
- Composite Volcanoes
- Shield Volcanoes
- Cinder Cones
- Spatter Cones
- Complex Volcanoes
Teacher will provide important terms associated with the volcanoes
Teacher will familiarize students with volcanoes in and around the United States
Teacher will lead students in a discussion about volcanoes as a group.
Teacher will ask students to post volcano information on SlapaStory.com

## Standards
3.2.6 Make Sketches and write descriptions to aid in explaining procedures or ideas.
3.3.5 Give examples of how change, such as weather patterns, is a continual process occurring on Earth.
3.6.3 Explain how a model of something is different from the real thing but can be used to learn something about the real thing.

## Materials
Paper, pencil, computer
Teacher will provide: Styrofoam cups, food coloring, baking soda, vinegar, saran wrap, rubber hands, and handout

## Procedure
1. Teacher will pass out the handout which lists some volcanoes in the United States and some fun facts. Students will explore this handout by completing activities in this lesson.
2. Teacher will show slideshow of volcanoes which gives details about composite, shield, cinder, spatter, and complex volcanoes. Teachers should remind students to take notes.
3. Teacher will put in a short clip of a volcano exploding for students to watch, and then ask students questions about the process.
4. Teacher will go over volcanoes vocabulary with students by having students write definitions and asking for class participation to answer them orally.
5. Teacher will show a miniature model of a volcano with a short experiment: Take the cup and cut off the small bottom piece of the cup. Take the small piece of saran wrap and cover the top with it. Use the rubber band to hold the saran wrap on. Now hold the cup with the saran wrap covered part on the bottom. Now put a few drops of food coloring in the bottom. I suggest red for the lava of the volcano. Now put a small amount of vinegar in the bottom also. Now go around and put a teaspoon of vinegar in each one and watch the reaction occur.
6. Teacher will allow students pre-writing time
7. Teacher will assign students to write mini essay or story about how and why volcanoes erupt and post onto www.SlapaStory.com
8. Teachers will also be asked to vote on the best-written mini essay of peers.

<table>
<thead>
<tr>
<th>Evaluation</th>
<th>Students will be evaluated based on knowledge of 10 vocabulary words</th>
</tr>
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<tbody>
<tr>
<td>References</td>
<td><a href="http://www.slapastory.com">www.slapastory.com</a></td>
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<td><a href="http://www.indianastandardsresources.org/standardSummary.asp?Subject=sci&amp;Grade=3&amp;Standard">http://www.indianastandardsresources.org/standardSummary.asp?Subject=sci&amp;Grade=3&amp;Standard</a></td>
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Rubric for Evaluation

Name: ___________________________________________ Date _____________________________

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<tr>
<th>Criteria</th>
<th>Points</th>
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<tbody>
<tr>
<td>Student correctly uses 10 vocabulary words.</td>
<td>20 points</td>
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<tr>
<td>Student correctly uses at least 8 vocabulary words.</td>
<td>16 points</td>
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<tr>
<td>Student correctly uses at least 6 vocabulary words.</td>
<td>12 points</td>
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<tr>
<td>Student correctly uses at least 4 vocabulary words.</td>
<td>8 points</td>
</tr>
<tr>
<td>Student correctly uses at least 2 vocabulary words.</td>
<td>4 point</td>
</tr>
<tr>
<td>Student uses less than 2 vocabulary words correctly.</td>
<td>0 points</td>
</tr>
</tbody>
</table>

Total ___/20