

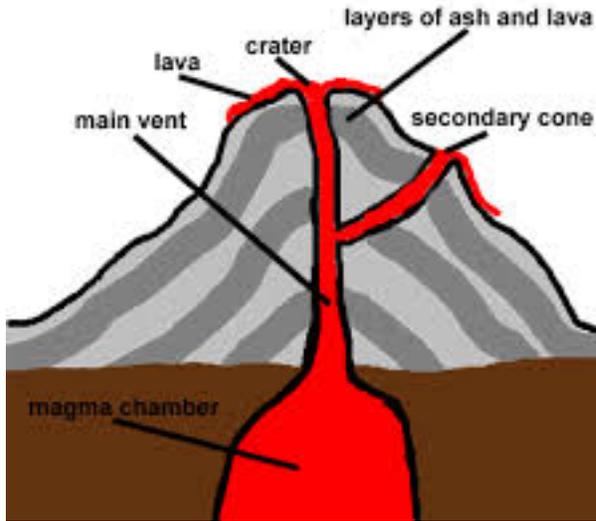


## Mini Lesson on Volcanos

### I. Building the Field

1. Point to the parts of a volcano as you hear me say them.

#### A simple cross section of a volcano



2. Directions for Interactive listening

A: Reads the first word aloud. Stops.

B: Asks, "What does it mean?"

A: Explains.

B: Reads the next word aloud. Stops

A: Asks, "What does it mean?"

B: Explains

Continue until all words are read and explained.

A. volcano

B. lava – melted rock

A. A vent sends steam

B. ash

A. earth

B. magma chamber

A. crater

B. eruption

A. gases

**II. Interacting with Text**

3. Check-off the sentences you hear me read. These sentences are not in order.

- Volcanoes are vents, or openings, in the Earth.
- Vents in the top of a baking pie do the same thing.
- They let heat from deep inside the Earth escape.
- Steam rises and hot juice bubbles out of slits cut in a pie.
- This activity is called an eruption (ee-**ruh**p-shuhn).
- Volcanoes spout steam, ash, gases, and melted rock.
- But don't expect cherry filling from volcanoes!

**4. Reading Jigsaw Activity:** With your team, put the sentence strips in order – (See the manila envelopes on your table)

**III. Extending Learning:** Analyzing Text Coherence: Circle words and draw lines between words that help you connect or understand the text. Look for repetitions, substitutions, replacements. Explain how these help you understand the text.

| <b>Sentences: Circle words that are repeated or explained</b> | <b>Textual clues that helped you sequence your cards</b>          |
|---|---|
| Volcanoes are vents, or openings, in the Earth.               | The word “volcanoes” is explained                                 |
| They let heat from deep inside the Earth escape               | “They” refers back to the word “volcanoes” in the first sentence. |
| Vents in the top of a baking pie do the same thing            |   |
| Steam rises and hot juice bubbles out of slits cut in a pie   |   |
| But don't expect cherry filling from volcanoes!               |   |
| Volcanoes spout steam, ash, gases, and melted rock.           |   |
| This activity is called an eruption (ee- <b>ruh</b> p-shuhn). |   |

## **A Science Lesson**

### **9 year olds Advanced English Proficiency Level**

**From:** *Learning to Learn in a Second Language* by Pauline Gibbons **Academic Text**

#### **Science Lesson -Transcript 1**

“Try this one...no it doesn't go...it doesn't move...try that...yes...it does a bit...that won't work...it's not metal...these are the best...it's making them go really fast.”

#### **Science Lesson-Transcript 2**

“We tried a pin, a pencil sharpener, some iron filings and a piece of plastic. The magnet didn't attract the pin, but it did attract the pencil sharpener and the iron filings. It didn't attract the pencil.”

#### **Science Lesson-Transcript 3**

“Our experiment was to find out what a magnet attracted. We discovered that a magnet attracts some kinds of metal. It attracted the iron filings, but not the pin. It also did not attract things that were not metal.”

#### **Science Lesson-Transcript 4**

“A magnet is a piece of metal which is surrounded by an invisible field of force which affects any magnetic material within it. It is able to pick up a piece of steel or iron because its magnetic field flows into the metal, turning it into a temporary magnet.”

#### Books on how to Scaffold Language and Content for English Learners

- August, D & Staehr Fenner, D. Scaffolding Instruction for English Language Learners: A Resource Guide for English Language Arts. Washington DC: American Institutes for Research. 2014
- Gibbons, P. Scaffolding Language, Scaffolding Learning. Portsmouth, NH: Heinemann, 2002.
- Fisher, D, Frey, N, & Lapp D, Text Complexity: Raising Rigor in Reading. Portsmouth, NH: Heinemann, 2012.
- Walqui,A. & Lier, L. Scaffolding the Academic Success of Adolescent English Language Learners. San Francisco, CA: Wested. 2010.
- Zwiers, J. Building Academic Language: Essential Practices for Content Classrooms, grades 5-12. San Francisco, CA: Jossey-Bass Teacher, 2008.