Lesson Plan Template

Name: Travis Hyde **Date:** December 04, 2019
Subject: Science **Grade:** Grade 7

Content: (Topic)	**Teaching Instructional Strategies:**
Science Earth and Space Science	Jigsaw Discussion Computers / technology Presentation
Outcomes: EC7.1 Analyze societal and environmental impacts of historical and current catastrophic geological events, and scientific understanding of movements and forces within Earth's crust. CC 7.6 Use oral language to interact purposefully and appropriately with others in pairs, small groups, and large group situations (e.g., contributing to sustaining dialogue, expressing support for others and their viewpoints, discussing and analyzing ideas and opinions, completing a variety of tasks, and contributing to group consensus building).	**Indicators:** h) Explain the operation of tools scientists use to measure and describe the effects of catastrophic geological events, including earthquakes and volcanoes (e.g., seismograph, Mercalli intensity scale, and Richter magnitude scale). i) Provide examples of how science and technology affect self and community through understanding, predicting, and minimizing the effects of catastrophic geological events (e.g., earthquake resistant construction, earthquake and tsunami preparedness, and minimizing climatic effects of volcanic eruptions).
Prerequisite Learning: Use previous lessons to link the layers of Earth to disasters Knowledge and understanding of how to operate and use a computer for research How to effectively work in a group	
Adaptive Dimension: Technology – allow the students to use computers for research Time – students who need more time will be allotted more time Rewording – rephrasing sentences to help students understand Presentation – allow them to decide how they are going to present the information to the other students Jigsaw – small group work that takes a piece of the learning and they share it with the class – cooperative group learning	

Materials Needed/Preparation

Computer
Whiteboard
Dry erase markers
Paper
Lined paper
Writing utensils
Questions – each group will have a specific tool to research and question to answer

Presentation:

Set: 5 minutes

Get the students split into six groups. These groups will each get a tool to research (seismograph, Mercalli intensity scale, and Richter magnitude scale). These groups will research each one of these and choose how they are going to present the information to the class.

Students will be expected to provide examples of how these affect geological events.

Development: 15 minutes

Students will work in their learning groups and research their scientific tool. They will have 20 minutes to do their research and get their information into a form where they can present it.

Students will be expected to present their findings to the rest of the class (they can choose how they are presenting it: orally, visually, powerpoint, skit etc.)

Students will be asked the following question and how it relates to their scientific tool:

What is the purpose of this tool?

How does it relate to geological events?

How does it affect society?

Teaching Notes:

_____
_____
_____
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Closure: 10 minutes

Each group will have an opportunity to present their findings. Students are expected to jot down findings of their peers on paper.

Extension:

More additional time to work on the assignment.

Have them work collaboratively on the research but do individual presentations.

Have students research every scientific tool.