



Creation Lens

Exploring the World, Discovering God

Grade Level: Grade 2

Title:

Earthquakes and the Power of the Holy Spirit

Denomination: Catholic

Lesson ID: ES-G2-04-CA

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Note: Web sites referenced in this lesson were valid at time of publication.

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EARTH SCIENCE MODULE – GRADE TWO - CATHOLIC LESSON 4: EARTHQUAKES AND THE POWER OF THE HOLY SPIRIT

GENERAL CONCEPT: Earthquakes and the Power of the Holy Spirit produce changes.

SCIENCE LESSON CONCEPT

What is an earthquake?

GOAL OF SCIENCE LESSON

The student will understand the definition of an earthquake and the changes it can produce.

OUTCOME EXPECTED

The student will be more aware of safety first in preventing damage due to earthquakes.

MATERIALS NEEDED

- Chart or blackboard
- Marker or chalk
- Definition of Earthquake

RELIGION LESSON CONCEPT

How does the power of the Holy Spirit help me to change?

GOAL OF RELIGION LESSON

The student will know the Pentecost story and how the power of the Holy Spirit changed the Apostles.

OUTCOME EXPECTED

The student will form a closer relationship with the Holy Spirit and allow the power of the Holy Spirit to help modify behaviors..

MATERIALS NEEDED

- Pentecost Story from the New Testament
- Pencil
- Markers, Crayons

- Video of earthquake and/or earthquake damage
- Seismograph reading strips
- World Map
- Stick on notes
- Science Journal Page: EARTHQUAKES
- Pencil
- Metal pan with dirt and rocks in it
- Hammers
- Light weight table which will move a bit

SCIENCE METHODOLOGY

- **.WRITE** the word “Earthquake” on the board.
- **ASK:** What is an earthquake?
- **WRITE** the definition on the board.
- **SHOW** the metal pan with dirt and small rocks in it.
- **HAVE** the students predict what will happen to the pan and rocks if the table suddenly moves.
- **HAVE** several students use the hammers (the force of the earth) to beat on the table causing the table (plates fo the earth) to move.

- Video of Pentecost Story
- Costumes to role play the story
- Paper to make posters
- blackboard
- chalk

RELIGION METHODOLOGY

- **WRITE** the word “Pentecost” on the board.
- **ASK:** Does anyone know what Pentecost is?
- **READ** the story of Pentecost from the Bible and/or show a Video of the Pentecost story.
- **ASK:** What happened at Pentecost?
- **ASK:** To whom did it happen?
- **ASK:** How were the apostles before the coming of the Holy Spirit?

- **HAVE** the students observe the metal pan and report any changes.
- **ASK:** Why did the dirt and small rocks move?
- **SAY:** In an earthquake, the plates of the earth bump against each other forcing one or both of them to move. When the plates move everything on the plates either moves or cracks.
- **SHOW** the video of an earthquake or pictures of earthquake damage.
- **ASK:** If we had an earthquake here, what things in our classroom might move? Check that tall things are anchored to the walls. Have the children prepare a report on safety.
- **USE** the World Map and the sticky notes to show the students where earthquakes usually occur.
- **DRAW** several earthquake results on the board: a field with a large crack in it; a building with _ fallen down; a street with a large hole.
- **ASK:** Since earthquakes can produce changes in land and buildings, how do we keepsafe?
- **DISCUSS** your schools safety procedures for earthquakes.
- **POSIT:** Earthquakes are very powerful forces that can change the land.

- **HAVE** the students work in groups to role play parts of the Pentecost Story: 1) Before the Coming of the Holy Spirit; 2) The Coming of the Holy Spirit; 3) After the Coming of the Holy Spirit.
- **HAVE** the students make posters to show how children filled with the Holy Spirit will speak and act bravely.
- **POSIT:** The Power of the Holy Spirit can help us do what Jesus wants us to do.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Teacher) Games, puzzles, coloring pages, facts
<http://earthquake.usgs.gov/learning/kids/games.php>

(Teacher and student or Parent and student)
Kids to Kids knowledge and activities
<http://www.fema.gov/kids/quake.htm>

(Student) Interactive activities about earthquakes
<http://www.weatherwizkids.com/earthquake1.htm>

(Teacher and student) Many activities to click on to learn more and more.
<http://edtech.kennesaw.edu/web/earthqu.html>

Religious Links

(Teacher and student) Kid friendly site about questions Kids ask.
<http://www.holyspiritinteractive.net/kids/questions/>

(Teacher) How to tell kids about the Holy Spirit
<http://www.nbizz.com/chrmcclung/listings/121.html>

(Teacher) – Idea for teaching about the Holy Spirit
<http://www.kidssundayschool.com/Gradeschool/Topics/Pages/holyspirit.php>

(Student) – interactive coloring pages which can be printed after the student colors it.
<http://www.apples4theteacher.com/coloring-pages/christian-easter/father-son-holy-spirit.html>

KEY WORDS
EARTH SCIENCE – GRADE TWO – LESSON 4 - CA



EARTHQUAKE

TREMOR

ENERGY

DAMAGE

SAFETY



HOLY SPIRIT

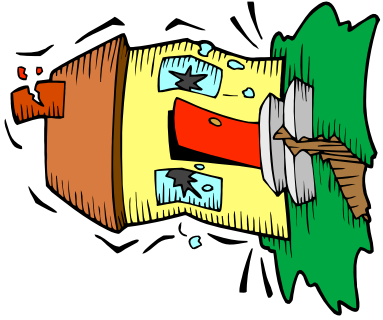
POWER

PENTECOST

APOSTLES

BEHAVIOR

KEY WORDS
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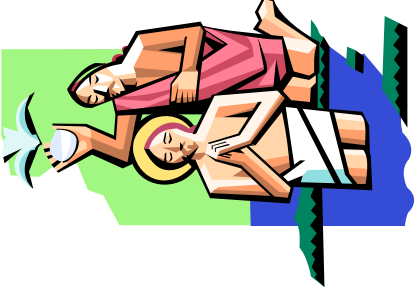
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