



Grade Level: Grade 3

Title:

Movement and Energy & Holy Spirit Helps Us to Move

Denomination: Catholic

Lesson ID: PS-G3-05-CA

Contact Info:

Exploring the World, Discovering God (EWDG)
Institute for Theological Encounter with Science & Technology (ITEST)
20 Archbishop May Drive, Suite 3400A
St. Louis, MO 63119

EWDG email: EWDG-Info@creationlens.org

EWDG web site: www.creationlens.org

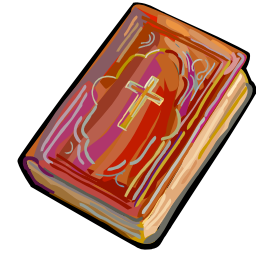
ITEST web site: www.faithscience.org

Ph: 314.792.7220

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

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PHYSICAL SCIENCE MODULE – GRADE THREE - CATHOLIC
LESSON 5: Energy Causes Movement and Change; The Holy Spirit helps us to move and change.

GENERAL CONCEPT: Energy causes movement and change.

SCIENCE LESSON CONCEPT

Energy makes things move and change.

GOAL OF SCIENCE LESSON

Student will experience energy to moving matter or producing a result.

OUTCOME EXPECTED

Student will learn that it takes energy to move matter or produce a result..

MATERIALS NEEDED

- Jack-in-the-box toy
- Rubber ball

RELIGION LESSON CONCEPT

The Presence of the Holy Spirit is the energy that helps us to move and change.

GOAL OF RELIGION LESSON

Student will see that the Holy Spirit, while invisible, is Real.

OUTCOME EXPECTED

Student will see that the Holy Spirit is the Divine Energy which helps us live as God wants us to live.

MATERIALS NEEDED

- Balloon
- Flip chart or blackboard

- Yardstick
- Paper Clips
- Rubber band
- Science Journal Page: MOVEMENT AND CHANGE
- Pen/pencil

SCIENCE METHODOLOGY

- **GIVE** each student the Science Journal Page: MOVEMENT AND CHANGE.
- **ASK** the student to predict what will happen when you turn the crank on the toy.
- **RECORD** predictions on Science Journal Page.
- **TURN** the crank? What happened? What made the puppet jump up?
- **ASK:** Did the crank cause the puppet to move?
- **SAY:** No the crank was there all the time. The energy you put into the action of the crank made the crank turn and the puppet move.
- **SHOW** the student the ball.
- **ASK** the student to predict what will happen when the ball drops.

- Book
- Paper
- Pencil/pen
- Markers
- Good Paper for Prayers

RELIGION METHODOLOGY

- **ASK:** Is the Holy Spirit REAL? How do you know? Can you see the Holy Spirit?
- **LET** a book drop on your desk.
- **ASK:** What made the book fall?(Gravity)
- **ASK:** Is gravity real? Can you see it?
- **BLOW UP** a balloon and let it go.
- **TELL** the students that the Holy Spirit is invisible like the air in the balloon. Like the air in the balloon when we ask the Holy Spirit to help us, the Holy Spirit can cause us to move and change.
- **TOGETHER** write a class prayer to the Holy Spirit.
- **HAVE** the student copy the prayer and decorate it. Have the student put the prayer somewhere they will see it often.

- **RECORD** the prediction.
- **OBSERVE** the ball dropping.
- **ASK:** Why did the ball drop? I removed my energy holding the ball up in the air.
- **TAKE** a paperclip and a rubber band.
- **ASK** the student to predict what will happen when I stretch the rubber band and put the paper clip inside it and then let go. (The paper clip will move.)
- **WHY?** The energy from my muscles...etc.
- **RECORD** conclusions on Science Journal Page. Draw the experiments and label them.
- **POSIT:** Energy causes matter to move and change.
- **HAVE** the class guess the founder?
- **ASK:** How did these people pass along God's energy to us?
- **ASK:** Why could or couldn't we get the bulb lighted? (Didn't produce enough energy.)
- **POSIT:** We can generate light if we supply the energy.
- **POSIT:** Light is energy manifested in a particular way.

- **POSIT:** The Holy Spirit is real and is the energy that helps us move and change to do what God wants us to do.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Student) Energy Kid's page: fun and games, riddles, coloring book, puzzles, energy slang, quizzes.

http://www.eia.doe.gov/kids/energy_fun/games/index.html

(Teacher) Energy kids' page: fun, games, riddles, coloring book, puzzles, energy slang, quizzes.

http://www.eia.doe.gov/kids/energy_fun/games/index.html

Religious Links

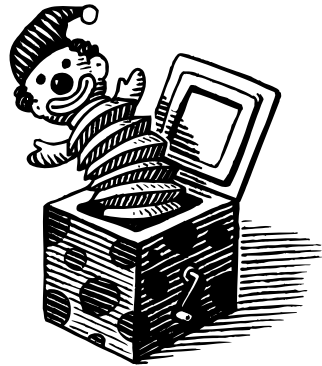
(Student) Interactive religion page for Kids.

www.holyspiritinteractive.net/kids

(Student) On-line coloring page of Holy Spirit

www.apples4theteacher.com/coloring-pages/christian-christmas/peace-dove.html

KEY WORDS
PHYSICAL SCIENCE – GRADE THREE- LESSON 5 - CA



ENERGY

MOVE

CHANGE

MATTER

CAUSE

EFFECT



HOLY SPIRIT

CONVERSION

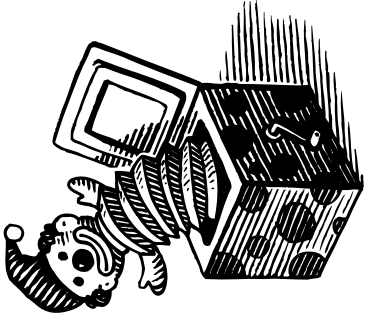
DIVINE ENERGY

GRAVITY

INVISIBLE

REAL

KEY WORDS
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ENERGY

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