



Creation Lens

Exploring the World, Discovering God

Grade Level: Grade 2

Title:

Sound, Vibrations, Hearing & Prayer as Listening and Speaking

Denomination: Catholic

Lesson ID: PS-G2-06-CA

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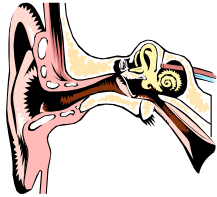
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Note: Web sites referenced in this lesson were valid at time of publication.

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PHYSICAL SCIENCE MODULE – GRADE TWO - CATHOLIC

LESSON 6: HEARING AND SOUND AND PRAYING IS LISTENING TO GOD

GENERAL CONCEPT: Hearing and Sound – Vibrations and Prayer is listening and speaking to God.

SCIENCE LESSON CONCEPT

Sound is energy that you can hear. Vibrations move air. Our ears have parts that help us to hear.

GOAL OF SCIENCE LESSON

Student will know that sounds move from the origin to our ears and signals our brain.

OUTCOME EXPECTED

Students will be aware of sound around them and what makes sound.

MATERIALS NEEDED

- Cardboard tube
- Rubber circle and rubber bands for _ of the class
- Combs and waxed paper sheets for _ of the class

RELIGION LESSON CONCEPT

Prayer is listening and speaking to God with our “spiritual” ears. Like a radio we must be turned on and tuned in so we can hear God. God is always tuned in to us/

GOAL OF RELIGION LESSON

Student will know that in quiet we can “hear” God.

OUTCOME EXPECTED

The student will become more prayerful.

MATERIALS NEEDED

- Quiet space
- Dimmed lights
- Children’s Guided Meditation Book

- Ruler
- Flip Chart or blackboard
- Marker or chalk
- Science Journal Page: SOUND AND HEARING
- Pencil

SCIENCE METHODOLOGY

- **GIVE** each student a copy of the Science Journal Page: SOUND AND HEARING
- Be sure each student has a pencil.
- **HAVE** this sentence on the flip chart or blackboard:
SOUND IS ENERGY THAT YOU CAN HEAR.
- **ASK:** Is energy moving or still?
- **ASK:** If energy is moving and sound is energy, then sound must move.
- **ASK:** What makes sound? (Vibrations)
- **SAY:** We are going to make sounds with two kinds of instruments.
- **DIVIDE** the class into two groups.
- **GIVE** 1 group the tubes, rubber circles, and rubber bands.

- CD Player
- CD music –reflective, meditative music
- Paper and markers/crayons

RELIGION METHODOLOGY

- **TELL** the students that you know that they all pray to God.
- **TELL** them that today, we are going to try another way to pray.
- **GATHER** them in a quiet place where they are seated comfortably – close enough to be secure and far apart to avoid bothering each other.
- **TELL** them that you are going to be talking to them during this prayer, but that you will stand or sit in one place.
- **TELL** them that you are going to make the room a bit darker and play some quiet music.
- **ASK** them to sit quietly and not to talk or whisper.
- **PUT ON** the reflective music.
- **ASK** them to relax and just listen to the music.

- **GIVE** 1 group the waxed paper and the combs.
- **TELL** them that they need to figure out how to make sound from these items.
- **GIVE** them time to figure out how to make sound using those materials.
- **HAVE** them record on the Science Journal Page the process and the results.
- **HAVE** each group demonstrate how they made sound and how they heard sound.
- **HAVE** the entire class “play” their instrument in accompaniment to a song they all know.
- **POSIT:** Sound is energy that you can hear.

- **USE** a child’s guided meditation selection to lead them in the meditation.
- **GENTLY** bring them out of the meditation.
- **HAVE** them draw a picture of their experience.
- **POSIT:** Sometimes prayer is just listening to God.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Teacher) www.Macmillan.com

(Student) Kids' site for dogs to help the hearing impaired
<http://www.hearingdogs.org.uk/kids-zone.php>

(Teacher and Student) Click on Neural System A to Z and other sites for kids to use.
<http://faculty.washington.edu/chudler/works/html>

(Teacher) Teacher can copy and print and send home for parents or enlarge and use in class to demonstrate how we hear.
<http://www.howstuffworks.com/hearing.htm>

Religious Links

(Teacher) Free sampleMP3 demos of meditations
www.heartwithwingstheatre.com/sitemap.php

(Teacher with Special Needs Students) Special helps including guided meditations for special needs students.
http://www.uua.org/re/reach/winter01/curriculum/honoring_gifts.html

(Teacher) Place to order "In My Heart Room" by Sister Mary Teresa Donze ASC
<http://www.liquori.org/productdetails.cfm?pc=6768>

(Teacher and Parents) Article on Meditation
<http://ezinearticles.com/?Light-A-Candle.-Calm-Your-Mind-And-Encourage-Your-Children-To-Do-The-Same&id=545060>

KEY WORDS
PHYSICAL SCIENCE – GRADE TWO – LESSON 6 - CA



SOUND

ENERGY

VIBRATIONS

SOUND ORIGIN

EARS

BRAIN



PRAYER

LISTEN

SPEAK

QUIET

PRAYERFUL

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