



Grade Level: **Kindergarten**

Title:

States of Matter & Use of Objects

Denomination: **Catholic**

Lesson ID: **PS-GK-04-CA**

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

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PHYSICAL SCIENCE MODULE – KINDERGARTEN – CATHOLIC
LESSON 4 – MATTER Exists in Different States and We can use objects for good or evil.

GENERAL CONCEPT: Matter can be solid, liquid, or gas and We can use objects for good or evil.

SCIENCE LESSON CONCEPT

Matter exists in different states: solid, liquid, and gas.

GOAL OF SCIENCE LESSON

Student will know the three states of matter.

OUTCOME EXPECTED

Student will be able to give an example of each state of matter.

MATERIALS NEEDED

- Glass of water
- Piece of ice
- Steaming Kettle

RELIGION LESSON CONCEPT

We can use objects (matter) for good or evil.

GOAL OF RELIGION LESSON

Student will be able to understand that how they use an object (matter) is important.

OUTCOME EXPECTED

Student will be more careful in how they use objects.

MATERIALS NEEDED

- Crayon
- Ball
- Pebble or small stone

- Heating element
- Science Journal Page: Three States of Matter
- Pencil
- Flip chart or blackboard
- Marker or chalk

SCIENCE METHODOLOGY

- **TELL** the student that matter exists in three states. Some are solids like their table, an eraser, or a lamp.
- **WRITE** the word SOLID on Science Journal Page.
- **HAVE** the student draw an object that is the solid state.
- **TELL** the student that some matter is in the LIQUID state like water, juice, milk, soda, melted ice cream.
- **WRITE** the word LIQUID on the chart or board.
- **HAVE** the student write LIQUID on the Science Journal Page.
- **HAVE** the student draw matter in the liquid state on the Science Journal Page under LIQUID.
- **TELL** the student that some matter is in the Gas state.
- **TELL** the student. Now I am going to change the water

RELIGION METHODOLOGY

- **SHOW** the student the crayon.
- **ASK:** Is it wrong to draw with this crayon? (No) Why? (It is what a crayon is supposed to be used for.)
- **ASK:** Is it wrong to eat this crayon? (Yes) Why? (Hurt yourself, not the purpose of a crayon.)
- **SAY:** So the crayon is good. If we use it correctly, we have done a good thing. If we use it incorrectly, we have done a bad thing.
- **SHOW** the student the ball.
- **ASK:** Is it OK to play with this ball?
- **ASK:** Is playing with the ball OK during reading time?
- **SHOW** the student the pebble or stone.
- **ASK:** Is it OK to throw this stone into a lake? (Yes.)

(liquid) in the kettle to GAS. Watch the spout of the kettle for the gas.

- **PUT** the kettle on the heating element and cause the water to boil.
- **HAVE** the student write GAS on the Science Journal Page.
- **HAVE** the student draw a picture of steam under GAS on the Science Journal Page.
- **POSIT:** Matter can exist in three states: solid, liquid, and gas.

- **ASK:** Is it OK to throw this stone at a bird or a pet? (No.) Why?
- **SAY:** Jesus said that when we do something to another person, it is like doing it to Him. We need to make good choices. We need to choose to do the right thing.
- **HAVE** the student draw a picture of someone doing the right thing and color it.
- **HAVE** the student tell about the picture.
- **DISPLAY** the pictures.
- **POSIT:** We can see all the picture of choosing to do good. We are now determined to choose to do good.

RESOURCES, LINKS AND COMPUTER LESSONS

Science Links

(Students and Teacher or Student and Parent) Student can easily click on each state of matter to see it. They can click on the Periodic Table Chart to see and control the activity of the bubbles. Lots of fun!

www.idahoptv.org/dialongue4kids/season7/matter/facts/html

(Student and Teacher) Site teaches the basics of chemistry to everyone/ Changing the states of matter.

www.chem4kids.com/metter/index/html

Religious Links

(Teacher) A craft using stones for David and Goliath story.

<http://www.dltk-bible.com/crafts/mbagofstones.htm>

(Teacher) A craft lesson about scissors

<http://www.dltk-bible.com/crafts/mpaperdelilah.htm>

(Teacher) Coloring page showing child helping child

<http://www.christiananswers.net/kids/cir-love-sharing.pdf>

(Teacher) Coloring page of David and Goliath – stones.

<http://www.coloring.ws/david.htm>

KEY WORDS
PHYSICAL SCIENCE – LESSON 4 – KINDERGARTEN - CA



MATTER

GOOD

SOLID

EVIL

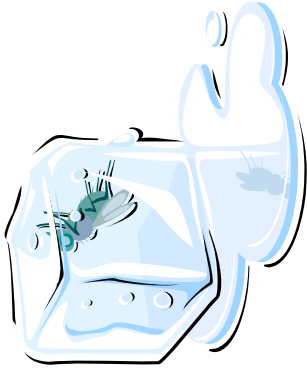
LIQUID

CHOICE

GAS

OBJECT

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