



Creation Lens

Exploring the World, Discovering God

Grade Level: Grade 1

Title:

Matter Can Change State & We Can Change

Denomination: Catholic

Lesson ID: PS-G1-04-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

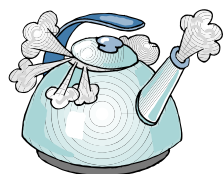
ITEST web site: www.faithscience.org

Ph: 314.792.7220

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

Copyright by Exploring the World, Discovering God (EWDG), a pilot program of Institute for Theological Encounter with Science & Technology (ITEST). All rights reserved. The contents, or parts thereof, i.e., lessons/modules, may be reproduced for classroom educational use only. Any reprinting or reproducing for the purpose of sale is prohibited, and if done, party is subject to all legal sanctions.

© ITEST © EWDG



PHYSICAL SCIENCE MODULE – FIRST GRADE – CATHOLICS

LESSON 4: Matter Can Change and We can change

GENERAL CONCEPT: Matter can change states and we can change by turning to God.

SCIENCE LESSON CONCEPT

Matter can change from one state (solid, liquid, gas) to another.

GOAL OF SCIENCE LESSON

Student will know the three states of matter and how an object must be acted upon in order to change...

OUTCOME EXPECTED

- 1) Student can describe the three states of matter.
- 2) Student will be able to explain how matter can change states.

MATERIALS NEEDED

- Science Journal Page: STATES OF MATTER
- Pencils

RELIGION LESSON CONCEPT

Through prayer we can change to be more holy people. We call this conversion. We turn to God.

GOAL OF RELIGION LESSON

Student will know how we can change to become more loving, holy people.

OUTCOME EXPECTED

Student will be able to describe ways we can change to be more like Jesus.

MATERIALS NEEDED

- Stories of the lives of several saints – check Religion textbook for saints for this level.

- Ice
- Water
- Containers for ice and water

SCIENCE METHODOLOGY

- **LIST** the three states of matter on the board: solid, liquid, gas
- **ASK:** Can an object stop being a solid? How?
- **SHOW** the ice.
- **ASK:** Is the ice a solid, a liquid, or a gas?
- **SHOW** the container of water.
- **ASK:** What state is the water?
- **HAVE** the students draw the ice (solid) and the water (liquid) on the Science Journal Page.
- **ASK:** How did the ice get to be a liquid?
- **ASK:** Can the water change to a gas? How? Evaporate or be boiled away.
- **HAVE** the student draw the water changing to steam.
- **POSIT:** Some matter can change from solid, to liquid, to gas.
- Paper to draw saints and self

- Crayons/markers
- Chart/paper on which to compose a class prayer

RELIGION METHODOLOGY

- **READ** some short stories of the lives of the saints or allow the students to read quietly.
- **DISCUSS:** Who did you read about and why is this person a saint?
- **MAKE** a list on the board of the Saints.
- **ASK:** How are all these people alike?
- **SAY:** Right! They all wanted to follow Jesus more than anything else in the world.
- **HAVE** the student draw a picture of one of the saints.
- **HAVE** the student add themselves to the picture.
- **HAVE** the student pretend that the saint is telling them something.
- **SHARE** what the saint is telling them.
- **DISPLAY** the pictures as a reminder to become more like Jesus like the saints did.
- **POSIT:** We can become more like Jesus.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Student with some adult guidance) On-line activity and quiz; sound is available for pre-readers.

http://www.bbc.co.uk/schools/scienceclips/ages/8_9/solid_liquids.shtml

(Student with some adult guidance)

http://www.bbc.co.uk/schools.revisewise.science.materials/08_act.shtml

(Student

http://www.harcourtschool.com/activity/states_of_matter/index.html

Religious Links

(Teacher) Printable coloring pages of saints

www.coloringsaints.com

(For teachers to present to students) Short biographies of saints on their feast days.

<http://www.faithfirst.com/html/kidClub/saints/saint.html>

(Teacher and Student) Short biographies and cartoon drawings of the saints.

http://www.catholic.org/saints.fun_facts_arch.php

KEY WORDS
PHYSICAL SCIENCE – LESSON 4 – GRADE ONE - CA



MATTER

OBJECTS

SOLID

LIQUID

GAS

STEAM

PRAYER

CONVERT

HOLY

SAINTS

CHANGE

JESUS

KEY WORDS
PHYSICAL SCIENCE – LESSON 4 – GRADE ONE - CA



MATTER

PRAYER

OBJECTS

CONVERT

SOLID

HOLY

LIQUID

SAINTS

GAS

CHANGE

STEAM

JESUS