



Creation Lens

Exploring the World, Discovering God

Grade Level: Grade 2

Title:

Mixing Solids and Liquids & Communion Breads

Denomination: Christian

Lesson ID: PS-G2-03-CH

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 – GRADE TWO - CHRISTIAN LESSON 3: CAN MATTER BE MIXED AND COMMUNION BREAD

GENERAL CONCEPT: Can Matter be mixed in preparing the Communion bread?

SCIENCE LESSON CONCEPT

The mixing of solids and liquids

GOAL OF SCIENCE LESSON

- 1) Student will use science skills of prediction, observation, experimentation, and record.
- 2) The student will mix solids and liquids.

OUTCOME EXPECTED

The student will be able to name two solids that can be mixed and a solid and liquid that can be mixed.

MATERIALS NEEDED

- Flip chart or blackboard

RELIGION LESSON CONCEPT

Communion breads are mixtures of several ingredients.

GOAL OF RELIGION LESSON

- 1) The student will know how the Communion Breads are made.
- 2) The student will learn about the meaning of communion in their church.

OUTCOME EXPECTED

The student will understand the meaning of Communion and why we value communion in our Church.

MATERIALS NEEDED

- Gift tag or card

- Marker or chalk
- Water
- Oil
- Juice
- Sand
- Small gravel pieces
- 4 clear containers for mixing
- Science Journal Page: MIXING MATTER
- Pencil

SCIENCE METHODOLOGY

- **HAVE** the students predict on the Science Journal page what will happen when water and oil are mixed.
- **DO** the experiment by pouring water into a container and then pouring oil. Stir.
- **HAVE** the students observe, and record.
- **HAVE** the students predict the mixing of water and juice and record on predictions on flip chart or blackboard.
- **DO** the water and juice experiment in a clear

- Sample Communion Bread
- Flour and other communion bread ingredients
- Water
- Waxed paper
- Story of Jesus mixing spittle and dirt to cure a blind man.
- Fruit jars with lids = number of groups
- Ingredients to make cookies – enough for several groups of students.

RELIGION METHODOLOGY

- **READ** the story of Jesus curing the blind man with spittle and dirt.
 - **ASK:** What did Jesus mix? Spittle and dirt.
 - **ASK:** What mixture was made? Mud
- SAY:** The communion bread is made up in a special way. Our communion bread has the following ingredients: _____. We are going to make a small sample of communion bread today.
- **DO** the project as follows:

- **RECORD** the results on the flip chart or blackboard.
- **REPEAT** process with water and sand.
- **REPEAT** process with sand and gravel.
- **RECORD** predictions and results on flip chart or blackboard.
- **DISCUSS** your results.
- **ASK** the students to predict other mixtures. Here are some examples to get them started: eggs and milk, glue and water, vinegar and oil, flour and water.
- **POSIT:** Matter can be mixed. Solids and Liquids can be mixed.

- Mix and make the communion bread for your church.
- If necessary, bake the bread.
- Give each child a piece of waxed paper.
- When the bread is done, give each child a sample and have them wrap it in the waxed paper.
- **ASK:** When does our church celebrate communion?
- **ASK:** Why do we have communion?
- **ASK:** Who is welcome to receive communion?
- **HAVE** the students layer cookie ingredients in a jar and sign the gift card. Give the jar (jars) to people who help them: custodians, cooks, etc.
- **POSIT:** The Communion Bread is a special bread which we celebrate in our church because_____.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Teacher) Lesson plan with suggested activities.

Www.lhric.org@mcsd/Austin/science/Lu4.htm

(Teacher) Lesson for experiment with melting various liquids to find rate of melt.

www.chariho.k12.ri.us/faculty/dmmor/scifair01/sfms.htm

(Teacher) Lesson plans with activities for mixing various forms of matter.

Www.lhric.org@mcsd/austin/science/L1-5u.htm

Religious Links

(Teacher) Seder bread and Seder Meal

www.chabad.org/library/hotto/wizard/asp?AID=116902

The following two sites show Catholic Communion bread being made.

(Teacher and Student) Pictures of Carmelite Nuns making Altar bread. Good to copy, enlarge, and print.

<http://www.carmelites.org.nz/work.htm>

(Teacher and Student) Pictures of Redemptoristine Nuns making Altar Bread. Good to copy, enlarge and print.

<http://www.rc.net/australia/redemptoristines.work2.htm>

(Teacher) Short article on meaning of communion

http://wiki.answers.com/Q/What_does_communion_mean

(Teacher) Short article on the variety of communion practices

<http://www.christianitytoday.com/history/newsletter/2001/aug10.html>

KEY WORDS
PHYSICAL SCIENCE – GRADE TWO – LESSON 3 - CH



MATTER

LIQUIDS

PREDICT

OBSERVE

EXPERIMENT

RECORD

COMMUNION BREAD

INGREDIENTS

FLOUR AND WATER

MINGLING

COMMUNION

KEY WORDS
PHYSICAL SCIENCE – GRADE TWO – LESSON 3 - CH



MATTER

LIQUIDS

PREDICT

OBSERVE

EXPERIMENT

RECORD

COMMUNION BREAD

INGREDIENTS

FLOUR AND WATER

MINGLING

COMMUNION