



Grade Level: Grade 2

Title:

Mixing Solids and Liquids & Mixtures at Mass

Denomination: Catholic

Lesson ID: PS-G2-03-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 – GRADE TWO - CATHOLIC

LESSON 3: CAN MATTER BE MIXED AND WATER AND WINE AT MASS

GENERAL CONCEPT: Can Matter be mixed and the mixing of water and wine at Mass.

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

The water and wine at Mass are mixed. The Host is a mixture of flour and water.

GOAL OF RELIGION LESSON

- 1) The student will know that the wine at Mass is mixed with water and the host is a mixture of flour and water.
- 2) The student will watch for the mingling at Mass.

OUTCOME EXPECTED

The student will understand the meaning of the mingling of the water and wine at Mass and that the host is flour and water

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

- Host
- Flour
- 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 bread at Mass is a mixture of flour and water. During the Mass the priest mixes the wine with water. Each of these is a mixture. We are going to make a bread wafer similar to a host.
- **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 flour and water.
- Give each child a piece of waxed paper.
- Spoon a thin layer of mixture on each piece of waxed paper.
- Allow to dry.
- Peel from the waxed paper.
- The flour and water formed a solid when dried.
- **TALK** about the mingling of the water and wine at Mass. When does it happen? Let's watch for it the next time we go to Mass.
- **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 host at Mass is a mixture of flour and water and the wine at Mass is mixed with water.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Teacher) Lesson plan with suggested activities.

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

Religious Links

(Teacher) Seder bread and Seder Meal

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

(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>

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



MATTER
SOLIDS
LIQUIDS
PREDICT
OBSERVE
EXPERIMENT
RECORD



HOST
WATER AND WINE
MASS
FLOUR AND WATER
MINGLING
CONSECRATION

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