



*Grade Level: Grade 1*

*Title:*

## **Sun is Source of Heat and Light & Jesus is Our Source of Life**

*Denomination: Catholic*

*Lesson ID: PS-G1-05-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 – FIRST GRADE – CATHOLIC

### LESSON 5: The Sun: Source of Heat and Light and the SON source of our Heat and Light.

**GENERAL CONCEPT:** The Sun is the source of heat and light for the earth and Jesus is the Son who gives us Life and Light.

#### SCIENCE LESSON CONCEPT

The sun supplies heat and light to the earth.

#### GOAL OF SCIENCE LESSON

- 1) Student will know the three states of matter.
- 2) Student will know that 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.
- 3) Student will know that heat and light are forms of energy.

#### RELIGION LESSON CONCEPT

Jesus is the source of our heat and light.

#### GOAL OF RELIGION LESSON

- 1) Student will know that Jesus gives us the energy to follow Him.
- 3) Student will know that Easter is the feast of Jesus' rising to New Life.

#### OUTCOME EXPECTED

Student will know the Resurrection story and why we celebrate Easter.

## MATERIALS NEEDED

- 2 cups of soil
- 2 empty cups
- 4 thermometers
- Sunny area
- Dark area
- 2 pieces of colored paper
- Science Journal Page: SUN: HEAT SOURCE
- Pencils
- 

## SCIENCE METHODOLOGY

- **HAVE** the students place their hands in the sunshine
- **ASK:** What do your hands feel? Why?
- **DISCUSS** how the sun gives heat and light to the earth.
- **EXPERIMENT:** Read the first thermometer and place it in an empty cup in the sunlight.
- **HAVE** the students draw the cup and thermometer in

## MATERIALS NEEDED

- New Testament – Easter Story
- Shoe boxes for diorama of nature around the sun
- Paper for nature items and sun
- Glue
- Crayons and markers
- Scissors
- Nature items from nature walk: leaf, pinecone, grass, seeds, stones
- Plastic bag for each student for nature items
- Materials to make a banner – paper or cloth

## RELIGION METHODOLOGY

- **TAKE** a nature walk and gather nature items. If it is too cold or wet, make a pretend nature walk and put nature items along the way for the student to “find”.
- **GIVE** each student a plastic bag and set clear limits where they can go and the group they must stay with.
- **COME BACK INSIDE** and put the nature bags on the desks.
- **GATHER** the student around you and read the Easter

the empty cup and write the temperature.

- **PLACE** the 2<sup>nd</sup> thermometer in a cup of soil. Wait three minutes and then read it. Place the cup of soil in the sun.
- **HAVE** the student draw and record the temperature of the 2<sup>nd</sup> thermometer in the cup of soil
- **PLACE** the 3<sup>rd</sup> thermometer in an empty cup in the shade. Wait three minutes then read the temperature.
- **HAVE** the students draw the 3<sup>rd</sup> cup and thermometer in the shade.
- **PLACE** the 4<sup>th</sup> thermometer in a cup of soil and wait three minutes. Read the Temperature. Place the cup of soil in the shade.
- **HAVE** the student draw the 4<sup>th</sup> thermometer in a cup of soil in the shade.
- **WAIT** 20 minutes.
- **CHECK** each thermometer and have the student record the new temperature.
- **ASK:** What did our experiment show? (Sun light will heat up an empty cup and even a soil filled cup faster than the shade will. Being in direct sunlight heats up faster than being in the shade.
- **POSIT** – See right above.

Story.

- **DISCUSS** the resurrection of Jesus – bringing new life.
- **EXPLAIN** how to do the diorama. Put the sun in the middle and arrange your nature walk items. Glue everything to the box.
- **DECORATE** the outside of the box
- **MAKE** a display and have the students make a banner for a title.
- **POSIT:** Jesus' brings us New Life and gives us energy to follow him.

## **RSOURCES, LINKS AND COMPUTER LESSONS.**

### **Science Links**

(Student)

[http://www.bbc.co.uk/schools/scienceclips/ages/5\\_6/light\\_dark.shtml](http://www.bbc.co.uk/schools/scienceclips/ages/5_6/light_dark.shtml)

(Student) Click on “Sunrise, Sunset” Web Lesson

<http://www.beaconlearningcenter.com/WebLessons>

### **Religious Links**

(Student) On-line coloring page

<http://christiananswers.net/kids/coloring-risen.html>

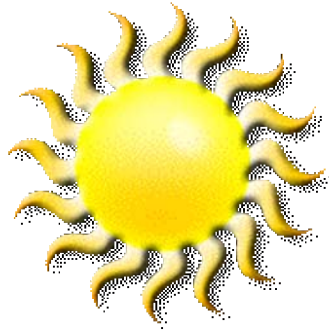
(Teacher) Links to prayer, articles and activities

<http://www.catholicmom.com/easter.htm>

(Teacher) Links to coloring pages, crafts and prayers

<http://www.apples4theteacher.com/holidays/easter-religious/index/htm>

**KEY WORDS**  
**PHYSICAL SCIENCE – LESSON 5 – GRADE ONE - CA**

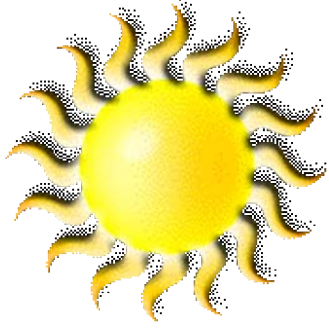


**SUN**  
**MATTER**  
**HEAT**  
**STATES OF MATTER**  
**LIQUID**  
**GAS**  
**SOLID**  
**CHANGE**



**EASTER**  
**POWER**  
**ENERGY**  
**HOLY**  
**NEW LIFE**  
**JESUS**  
**RESURRECTION**  
**RISING**

**KEY WORDS**  
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**SUN**

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**HEAT**

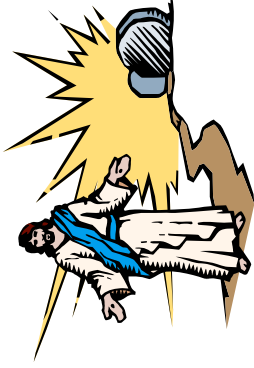
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