



Grade Level: Grade 3

Title:

Sun – Source of Our Light & Jesus, the Light of the World

Denomination: Catholic

Lesson ID: ES-G3-02-CA

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

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EARTH SCIENCE – GRADE THREE - CA

LESSON 2- The Sun is the Center of Our Solar System and Jesus is the Light of the World

GENERAL CONCEPT: The sun is the center of our solar system.

SCIENCE LESSON CONCEPT

1. The Sun is the center of our solar system.
2. The rays of the sun hit the earth to give us light.
3. The Earth, Venus, Saturn, Jupiter, Neptune, Mercury, Uranus and Mars are the planets of our Solar System.

GOAL OF SCIENCE LESSON

Student will know that our solar system is composed of the sun, planets, moons, and other bodies that orbit the sun.

OUTCOME EXPECTED

1. The student can draw the solar system and label the planets.

RELIGION LESSON CONCEPT

1. Jesus is the Light of the World.
2. We are His disciples and we are to let His light shine through us.
3. We draw our light from Jesus.

GOAL OF RELIGION LESSON

1. The student will know that Jesus is the Light of the world.
2. The student will be able to identify two ways each person can reflect the light of Jesus.

OUTCOME EXPECTED

The student can explain why Jesus is called the Light of the World.

2. The student can illustrate the sun's rays hitting the surface at different angles.

MATERIALS NEEDED

- A globe
- Pen/pencil
- Model of Solar System – be sure it is current (8 planets) If you have an old one, put a bag over it. Explain to students why it is out.
- Science Journal Page: OUR SOLAR SYSTEM
- Flashlight

SCIENCE METHODOLOGY

- **USE** the solar system model to name each planet.
- **HAVE** the student draw the solar system on the Science Journal Page and label each planet.
- **USE** the solar system model to demonstrate the relationship of the planets to the sun.
- **DISCUSS** how we came to have 8 planets now when we used to have 9.
- **DISCUSS** how the earth gets its light from the sun.

MATERIALS NEEDED

- Bible
- Candle
- Drawing paper
- Crayons/markers
- Mirror
- Light source – sun or flashlight

RELIGION METHODOLOGY

- **ASK:** Why is light important (food, work, etc.)
- **READ** the Gospel (Mark 4:21-24). See after links. This is Jesus explaining the Kingdom of Heaven and how we ought to react when we see the Light.(about putting your light on a lamp stand and not putting it under a basket.)
- **ASK:** What did Jesus mean by saying that?
- **ASK:** How can we get light from Jesus?

- **ASK:** How do we reflect Jesus' light to others?
- **USE** the globe and a flashlight to show how the sun's rays hit the earth at different angles when the earth is tilted on its axis.
- **HAVE** the student draw the angle of the sun's rays hitting the earth at the Equator, Tropic of Cancer and the Tropic of Capricorn on the Science Journal Page. See Links for help on this activity.
- **POSIT** – The sun is the center of our solar system and the source of light for the earth.

(Prayers, Sacraments, reading the Bible, learning about Jesus, loving Jesus, inviting Jesus to be with us.)

- **USE** the mirror and light source to get the idea that the good we do comes from Jesus, not us. Record answers. (This is the interfacing with science. This is most important to do.)
- **HAVE** the student select two ways to reflect Jesus' Light to others. Then have the student draw pictures of those two ways. The student should try to actually do them in this week. Be very specific about what acts to do.
- **POSIT:** Jesus is our Light. We draw our light and life from Him. We reflect His light to others.

RESOURCES, LINKS AND COMPUTER LESSONS.

Science Links

(Teacher and student) Over 25 links to different sites about the solar system; Power Point presentations.

<http://www.apples4theteacher.com/science.html#solarsystemnineplanets>

(Teacher and student) Reading comprehension sheets on the solar system. Different levels. Also on-line games and lessons

<http://www.manatee.k12.fl.us/sites/elementary/samoset/resources/rcdowne.htm>

(Teacher and student)

[Solar System: Uranus | eThemes | eMINTS](#)

Reading Comprehension Sheet Learn interesting facts about Uranus then advance to a printable ... eThemes
Resource: Solar System: Rotation and Revolution ..

<http://www.emints.org/ethemes/resources/S00001336.shtml>

(Student) Games students can play to help them understand the solar system. Interactive, sounds a bit like a Play Station sound. <http://www.apples4theteacher.com/science.html#swolarsystemnineplanets>

Religious Links

(Teacher) Crafts, worksheets, music, and more.

<http://ezinearticles.com/index.php?Bible-Story-Crafts-For-Kids---Light-of-the-World-Kids-Craft&id=1126786>

(Student) www.uri.org/kids/world_chri.htm

This is a stained glass type of collage of Jesus. The Nativity scene - The birth of Jesus the Son of God is in the lower right corner. The sun is a symbol of Christ, the Son of God, who brought Light into the world. The student can click on the various symbols and an explanation of the Christian symbol appears in a box.

(Teacher to Students)

www.guidinglightvideo.com/postcard/kidsrack.htm

Scroll to the bottom of the page. Student or Teacher can send a greeting card to each student using classroom email address or to the child's home.

Mark 4: 21-24

21

He said to them, "Is a lamp brought in to be placed under a bushel basket or under a bed, and not to be placed on a lampstand?"

22

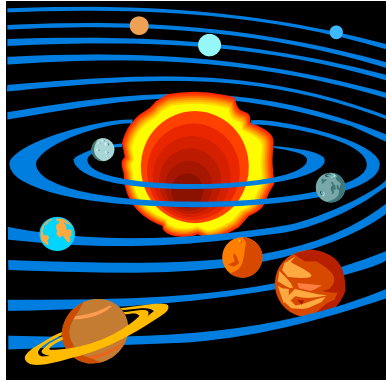
For there is nothing hidden except to be made visible; nothing is secret except to come to light.

23

Anyone who has ears to hear ought to hear."

24

KEY WORDS
EARTH SCIENCE – GRADE THREE- LESSON 2 - CA



SOLAR SYSTEM

SUN

EARTH

PLANETS

CENTER



CANDLE

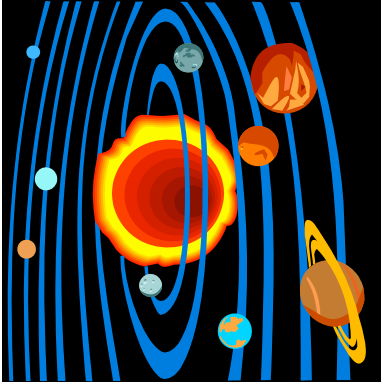
FLAME

LIGHT

DARKNESS

LIGHT OF THE WORLD

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