



*Grade Level: Grade 3*

*Title:*

## **What Is Light? & God is our Light**

*Denomination: Catholic*

*Lesson ID: PS-G3-03-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 THREE - CATHOLIC LESSON 3: What is light? And Why do we call God our Light?

**GENERAL CONCEPT: What is light? Why do we call God our light?**

### SCIENCE LESSON CONCEPT

Light is energy manifested in a particular way.

### GOAL OF SCIENCE LESSON

Student will discover the uses of light/.

### OUTCOME EXPECTED

Student will learn how lights help us to see, manifests energy, and moves.

### MATERIALS NEEDED

- Flashlight
- Piece of cardboard

### RELIGION LESSON CONCEPT

Why do we call God our Light?

### GOAL OF RELIGION LESSON

- Student will know that the Creator (God) is the source of Light and the Source of Life.
- Student will know that God shows us the right path.

### OUTCOME EXPECTED

Student will understand why we say God is our Light.

### MATERIALS NEEDED

- Bible: John 1
- Drawing paper

- Science Journal Page: LIGHT
- A fairly wide object with a definite shape
- Pen/pencil

## SCIENCE METHODOLOGY

- **ASK:** What is light?
- **RECORD** answers.
- **WORK** to the science concept of light is energy manifested in a particular way.
- **GIVE** each student the Science Journal Page: LIGHT
- **ASK** the student to predict what will happen when you shine the flashlight on an object in front of a piece of cardboard from 4 feet away.
- **STUDENT RECORDS** prediction on Science Journal Page.
- **SHINE** the flashlight from 4 ft.
- **ASSESS** predictions. Stress that not having the right answer is learning something.
- **HAVE** the student predict what will happen from 3 feet?
- **RECORD** prediction.

- Crayons/makers

## RELIGION METHODOLOGY

- **READ** the first part of John 1 (John 1: 1-2)
- **DISCUSS** with the student how light can affect our mood, our food, our safety, etc.
- **SAY:** We feel happy when we have sunlight or light and sad when it is dark and gloomy. Our food needs light to grow.
- **ASK:** Can you think of other ways light affects us?
- **SAY:** Since God is our light, what does he do to help us?
- **GET** to Shows us the path, keeps us safe, etc.
- **HAVE** the student think of a situation where the student feels God has shown the way.
- **SHARE** some responses.
- **HAVE** each student draw their situation.
- **HAVE** some student sharing from the drawings.
- **POSIT:** God is our Light. He shows us the way.

- **REPEAT** the predictions and experiments at 2 ft., 1 ft., 6 inches, and 1 inch.
- **STUDENTS** should record predictions and results.
- **ASK:** How did we experience the energy in this experiment. (LIGHT)
- **ASK:** How did we know the light moved? (Saw it carried in the air.)
- **POSIT:** Light is energy manifested in a particular way.

## RESOURCES, LINKS AND COMPUTER LESSONS.

### Science Links

(Student) Explains light and gives activities for the student.  
<http://www.learner.org/teacherslab/science/light/>

(Teacher) BOOK: Light Magic and Other Science Activities About Energy.

(Teacher) Light by friction – experiment  
<http://www.energyquest.ca.gov/projects/light-friction.html>

### Religious Links

(Student and Parent) Children's Sunday School Lessons- The Bible – Lesson 2: it is easier for us to follow God our Light. We are protected. Turn off lights and look around, Turn on lights and look around.  
[www.kidssundayschool.com/Gradeschool/Lessons/1bible02.php](http://www.kidssundayschool.com/Gradeschool/Lessons/1bible02.php)

(Teacher) Psalm: Light comes from God and therefore, it is good.  
<http://www.ravenhill.org/inthylight.htm>

## **Computer Lesson**

(Student) Game that shows us how we see things. Game on lights and shadows.

[http://www.bbc.co.uk/schools/scienceclips/ages/7\\_8/science\\_7\\_8.shtml](http://www.bbc.co.uk/schools/scienceclips/ages/7_8/science_7_8.shtml)

**KEY WORDS**  
**PHYSICAL SCIENCE – GRADE THREE- LESSON 3 - CA**



**LIGHT**

**ENERGY**

**MANIFEST**

**SHADOW**



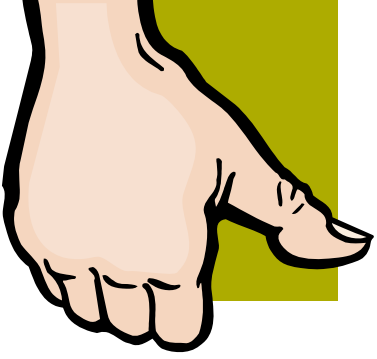
**SOURCE OF LIGHT**

**JOHN 1**

**EFFECTS OF LIGHT**

**RIGHT PATH**

**KEY WORDS**  
**PHYSICAL SCIENCE – GRADE THREE- LESSON 3 - CA**



**LIGHT**

**SOURCE OF LIGHT**

**ENERGY**

**JOHN 1**

**MANIFEST**

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