



Grade Level: **Kindergarten**

Title:

The Night Sky & Wonders of Creation

Denomination: **Catholic**

Lesson ID: **ES-GK-07-CA**

Contact Info:

Exploring the World, Discovering God (EWDG)
Institute for Theological Encounter with Science & Technology (I TEST)
20 Archbishop May Drive, Suite 3400A
St. Louis, MO 63119

EWDG email: EWDG-Info@creationlens.org

EWDG web site: www.creationlens.org

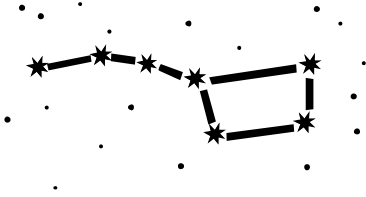
I TEST web site: www.faithscience.org

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 (I TEST). 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.

© I TEST © EWDG



EARTH SCIENCE MODULE – KINDERGARTEN – CATHOLIC LESSON 7 – Objects Seen in the Night Sky and the wonders of God’s Creation

GENERAL CONCEPT: Objects can be seen in the night sky and the wonders of God’s Creation..

SCIENCE LESSON CONCEPT

Some objects seen in the night sky are the stars and the moon..

GOAL OF SCIENCE LESSON

Student will be able to identify the moon and stars as objects in the night sky.

OUTCOME EXPECTED

1. Student will be able to tell that the moon orbits the earth..
2. Student will be able to tell that stars are like our sun.

MATERIALS NEEDED

- Globe
- Cardboard sign: On the Land

RELIGION LESSON CONCEPT

God created the sky and all the objects in it..

GOAL OF RELIGION LESSON

The student will know that God created the sun, moon and the stars.

OUTCOME EXPECTED

Student will have an appreciation of the wonders of God’s creation, especially the night sky.

MATERIALS NEEDED

- Bible story of the creation of the sun, moon, and stars.

- Model of the moon
- String
- Tape or Poster Putty
- Drawings or pictures of the stars in patterns: Big Dipper, Orion, Southern Cross, etc.
- Large paper landscape mural at night: home, tree, ground with a dark sky.
- Crayons/markers/pencils
- Glue
- Scissors
- Science Journal Page: The Night Sky
- Big Dipper – Dot to dot paper
- Orion – Dot to dot paper
- Paper to cut out the stars and the moon.

SCIENCE METHODOLOGY

- **ASK:** Is it daytime or night time? (daytime)
- **ASK:** How can you tell? (Sun is giving light.)
- **SAY:** Wow! At night when the earth is turned away from the sun, it must be totally dark. Right? (No, stars

- Coloring page of sun and stars (See links.)
- Paper
- Scissors
- Glue
- Star pattern printed on paper
- Large piece of dark construction paper
- A song about the stars, heaven, God loving little them, etc.

RELIGION METHODOLOGY

- **SAY:** God created the entire world. He made the land the water. He made the sky and everything we can see in it. We can see the sun and clouds during the day.
- **ASK:** What can we see during the night? (moon and

and moon to give us light.

- **ASK:** Does anyone know what the moon is? (small solid body in space that orbits the earth.)
- **SAY:** Yes, we can see the moon quite easily because it is closer to the earth.
- **ASK:** Does moon have a light source? (The sun)
- **SAY:** You are right! It gets its light from the sun. It shines sunlight in small amounts onto the earth's surface. We can see it during our night time because the brighter light, the sun, is not visible.
- **DEMONSTRATE** with the globe, string, and moon model how the moon moves in orbit around the earth.
- **ATTACH** the string to the moon model. Hold the string out to the earth and move the moon slowly around the earth in an elliptical orbit.
- **ASK:** Can you draw the moon going around the earth on your Science Journal Page? Please do that now.
- **SAY:** We get other light during the night. What else can we see in the night sky? (stars) The stars are very, very far away and that is why they look so small. They are really very large like our sun and send out light. That is why we can see them. Sometimes we use our imagination to play dot to dot with the stars to make a figure. One figure that the ancient Greeks could make out is called the Big Dipper.

stars.)

- **SAY:** Let's read from the Bible – God's holy word about the creation of the heavens.
- **READ** the parts of the Creation story that are applicable.
- **HAVE** the student color the Creation coloring page.
- **SAY:** The stars are very far away – that is why they look so small. If you use your imagination, you can play dot-to-dot with them to make pictures in the sky. I am going to give you a star pattern. Cut out the stars very carefully. You are going to paste your stars on the large paper in a pattern and then give the pattern a name.
- **ASK:** What picture could we make that reflect our faith? (Jesus' cross, heart for God's love, a M for Mary) Use your imagination! Cut your stars and paste them to make a picture about God.

NOTE: YOU COULD ALSO THE STUDENT 'CONSTELLATIONS' PUT ON ONE LARGE SHEET OF PAPER AND NAME THEM. Title the paper: God Made the Heavens.

- **ALLOW** the student to explain the star picture and then post all of them around the room.

- **SING** a song about the stars, heavens, and God's love.

A dipper is a cup on a long handle. You use it to drink water from a bucket. Here is a paper with some stars on it. Can you connect the stars to make the Dig Dipper?

- **DISTRIBUTE** the dot-to-dot Big Dipper page and allow time for it to be completed.
- **SAY:** Another star picture in the sky is called Orion the Hunter. It is a bit hard to "see" but use your imagination.
- **SHOW** a picture of the constellation Orion with the Hunter image clearly shown.
- **DISTRIBUTE** the Orion dot-to-dot page and have the students complete it.
- **SAY:** Good job!
- **SAY:** We are going to make a large mural to hang on the wall or in the hallway. I have a large piece of paper on which the outline of the ground, a house, and a tree is shown. Remember it is night time! Not much color will show up. The ground will look dark. Put lights on in the house.
- **DIVIDE** the class into 5 groups.
- **SAY:** Group One will color the ground.
- **SAY:** Group Two will color the house and the tree.

- **SAY:** Group Three will color the sky – dark.
- **SAY:** Group Four will make small stars to put in the sky.
- **SAY:** Group Five will color the moon.
- **SAY:** Let's work!
- **GET** the students working. Glue on the stars and moon.
- **MAKE** a title: The Night Sky. Glue it on. When finished display the mural.
- **POSIT:** The moon and the stars are the objects we can see in the night sky.

RESOURCES, LINKS, AND COMPUTER LESSONS

SCIENCE RESOURCES

(Teacher and Student) Big Dipper and other constellations. Packets to work through to earn a certificate.

www.kidsastronomy.com/academy/

(Student) A memory game about astronomy. Easy to do.

www.kidsastronomy.com/fun/memory.html

(Teacher) Make a Big Dipper Project

www.abcteach.com/SolarSystem/constellation.htm

(Teacher) Printable stars page.

www.thekidzpage.com/christmas/colouring.htm

(Teacher and Student or Parent and Student) Explanation and picture of Orion the Hunter constellation. Site has a membership fee but you can have limited access for free.

www.enchantedlearning.com/subjects/astronomy

RELIGIOUS RESOURCES

(Teacher) Printable coloring page of God created the heavens.

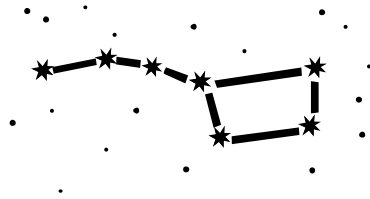
<http://applesaucekids.com/Coloring/Gen1-1.html>

(Teacher) Scroll down to Christian Symbols for ideas for constellations.

[www.woodlands-](http://www.woodlands-junior.kent.sch.uk/Homework/religion/christian.htm)

[junior.kent.sch.uk/Homework/religion/christian.htm](http://www.woodlands-junior.kent.sch.uk/Homework/religion/christian.htm)

KEY WORDS
EARTH SCIENCE – LESSON 7 – KINDERGARTEN - CA

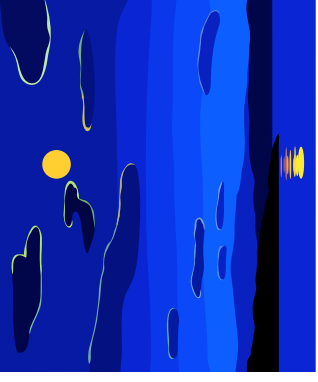
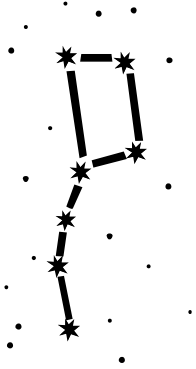


OBJECT
MOON
STARS
ORBIT
EARTH
NIGHT
PATTERN



SUN
STARS
BIBLE
CREATION

KEY WORDS
EARTH SCIENCE – LESSON 7 – KINDERGARTEN - CA



OBJECT

SUN

MOON

STARS

STARS

BIBLE

ORBIT

CREATION

EARTH

NIGHT

PATTERN