



Grade Level: Grade 5

Title:

Phases of the Moon & Phases of Our Spiritual Growth

Denomination: Catholic

Lesson ID: ES-G5-01-CA

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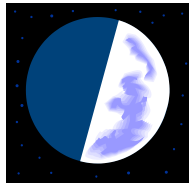
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Note: Web sites referenced in this lesson were valid at time of publication.

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EARTH SCIENCE – GRADE 5 – CATHOLIC

LESSON TITLE: Phases of the Moon & Phases of Our Spiritual Growth

SCIENCE LESSON CONCEPT

- The moon goes through phases

GOAL OF SCIENCE LESSON

- Students will learn the phases of the moon.

OUTCOME EXPECTED

- Students will know the eight phases of the moon.

RELIGION LESSON CONCEPT

- People are on a journey of faith that takes them through different phases
- Spiritual development rests on our relationship with God through Jesus

GOAL OF RELIGION LESSON

- Students will understand the phases we go through and how our spirituality grows and changes.
- Students will understand that Jesus is the way through which we form a relationship with God.

OUTCOME EXPECTED

- Students will recognize spiritual growth occurs in phases.

MATERIALS NEEDED

- Science Journal page: The Phases of the Moon
- Pen or pencil
- Lamp without the shade
- Light colored Styrofoam ball (moon)
- Your head (earth)
- Chalk board or flip chart
- Chalk or marker
- Pictures of the phases of the moon

SCIENCE METHODOLOGY

- **PUT** lamp at one end of the room. Turn on the lamp.
- **DARKEN** the room as much as possible.
- **SIT** at the other end of the room and hold a ball (moon) in front of you between your face and the lamp.
- **KEEP** your arm straight and slowly turn in a circle, keeping your eyes on the ball.
- **POINT OUT** how different parts of the ball are lighted.

MATERIALS NEEDED

- Pictures of each phase: Pregnant woman, Baptism, First Communion, Confirmation, Youth Group, Matrimony, Volunteers, Anointing of the Sick
- Religion notebook
- Pen or pencil
- Chalkboard or flip chart
- Chalk or marker

RELIGION METHODOLOGY

- **SAY:** Just as we grow and develop from being infants to senior citizens, we grow spiritually. Just as the moon has phases, we have phases or stages of growth in both our physical and spiritual development.
- **DISPLAY** the pictures of spiritual growth and development one by one.
- **ANNOUNCE** each of the following stages/phases. Have the students write the stage/phase in their Religion notebook and then write a brief description.

- **TURN ON** lights.
 - **WRITE** on the board/chart the phases of the moon listed below. Draw each phase and describe it.
 - **STOP** between each phase and have the students illustrate and record the phase on the Science Journal page.
 - **PHASE 1:** New Moon: The moon is between the earth and the sun. It reflects light back to the sun. The moon is dark. It seems to disappear.
 - **PHASE 2:** Crescent Moon: A small sliver of light is visible. This is one of the waxing phases of the moon.
 - **PHASE 3:** First Quarter Moon: The moon looks like a semi-circle. It is not called a half moon because it is about $\frac{1}{4}$ of the way through its phases. This is the second waxing phase.
 - **PHASE 4:** Gibbous Moon: The waxing phase continues. The moon looks bigger, more light reflected.
 - **PHASE 5:** Full Moon: When the earth is between the moon and the sun, we see one entire side of the moon.
 - **PHASE 6:** Gibbous Moon: The moon looks smaller, less light reflected. This is the beginning of the waning phase.
- **SAY:** PHASE ONE: Conception and in the Womb.
 - **SAY:** From the first moment of life in our mother's womb, we are loved and cherished by God and our parents. We are totally dependent on them for life and growth.
 - **POINT OUT** the appropriate picture after each description.
 - **HAVE** the students record phase and description in Religion notebook.
 - **SAY:** PHASE TWO: Infant stage.
 - **SAY:** In the Infant stage we are baptized and become members of God's family. We learn about God through stories told and read to us. We go to Church with our family.
 - **HAVE** the students record Phase Two.
 - **SAY:** PHASE THREE: Early Childhood.
 - **SAY:** In the Early Childhood stage we learn more about God. We prepare and receive the Sacraments of First Reconciliation and First Communion.
 - **ASK:** What do you remember about those two sacraments?
 - **ALLOW** several students to comment on each sacrament.

- **PHASE 7:** Third Quarter Moon: The moon looks like a semi-circle. It is not called a half moon because it is now 3/4 of the way through its phases. This is one of the waning phases.
- **PHASE 8:** Crescent Moon: The moon continues in its waning phase. Again only a small sliver of light is visible.
- **SAY:** Then the cycle of moon phases begins again with the New Moon – We can't see the moon. It seems to disappear, but it is there.
- **CHECK** Science Journal pages for illustrations and descriptions.
- **SHOW** the pictures of the phases of the moon in order and ask students to identify them.
- **SHUFFLE** the pictures of the moon and show them in a random order.
- **ASK** the students to identify the pictures.
- **POSIT:** The moon reflects the light of the sun. The moon never goes away. We see parts of the moon - phases – depending on its position in relationship to the sun and the earth.
- **SAY:** In the Early Childhood stage we begin to participate more at Church, pray on our own as well as with others.
- **HAVE** the students record the Early Childhood stage in their Religion notebook.
- **SAY:** PHASE FOUR: Teen/Adolescent Stage.
- **SAY:** In the Teen and Adolescent stage we receive the Sacrament of Confirmation. The faith practices and the attitudes of our peers become more important. We gain some independence. Our prayer life should be more independent too. We like religious music and being with our friends.
- **ASK:** What do you think could be the most dangerous part of this phase?
- **ALLOW** several students to comment.
- **SAY:** PHASE FIVE: Young Adulthood.
- **SAY:** We have full independence. We are separate from our family. Maybe we have a new set of friends. We are in college, or training for a career. It is important to obtain the graces of the sacraments to influence our decisions.
- **SAY:** PHASE SIX: Adulthood/Parenthood.

- **SAY:** In the Adulthood/Parenthood phase, we have full responsibility of our faith for ourselves, our marriage partner, and for any children. We need to be apostolic and share our faith in the home, at work, and with friends and family members. (Evangelization)
- **ASK:** Since your parents are in this phase, what do you see them doing to be apostles or to share their faith?
- **ALLOW** several students to comment.
- **SAY:** PHASE SEVEN: Senior Years.
- **SAY:** In the Senior Years phase, we have more time to do the things we want to do. We can volunteer at church, school, and in the community. We have more time for prayer and spiritual reading.
- **ASK:** What do you see our Church's seniors doing?
- **ALLOW** several students to comment.
- **ASK:** What stage are you in now?
- **COMPARE** the physical, mental, and emotional development of their stage with their spiritual phase.
- **HAVE** the students write a reflection paper on their own spiritual phase and what they can do to make the most of this time in their life.

- **POSIT:** Just as we grow and develop physically, mentally, and emotionally, we grow and develop spiritually.

SCIENCE LINKS

www.internet4classrooms.com/skills_5th_science.htm

[Science Standards 5th Grade science resource for fifth grade](#)

Feb 27, 2009 ... Earth and Its Place in the Universe 5.7.1 | 5.7.2 | 5.7.3 | 5.7.4 | 5.7.5. Identify and arrange the *phases* of the *moon* in the correct ...

http://www.moonconnection.com/moon_phases.phtml

Moon Phases / Lunar Phases Explained

An explanation of the moon phases using a colorful diagram with realistic images .

<http://home.hiwaay.net/~krcool/Astro/moon/moonphase>

Moon and Earth Phase Viewer

The four major moon phases are "New" , "1st Quarter" , "Full" and "Last or 3rd Quarter". These phases have to do with the relative positions of the sun, the moon ...

RELIGION LINKS

http://www.desmos.info/en.doc/Childrens_Spiritual_Development.pdf

[Children's Spiritual Development](#) Adobe PDF - [View as html](#) **Children's Spiritual Development** Page 1 out of 3 **Children's Spiritual ...** is found in the maturational phases of **physical**, emotional, or cognitive **development**. iv **Spiritual ...**

KEY WORDS

- MOON
- PHASES
- NEW MOON
- CRESCENT MOON
- FIRST QUARTER MOON
- GIBBOUS MOON
- FULL MOON
- WAXING
- WAXING PHASES
- WANING
- WANING PHASES

KEY WORDS

- CONCEPTION
- WOMB
- INFANT
- EARLY CHILDHOOD
- ADOLESCENT
- ADULTHOOD
- PARENTHOOD
- SENIOR
- ELDERLY
- RELATIONSHIP
- EVANGELIZATION