



Creation Lens

Exploring the World, Discovering God

Grade Level: **Grade 4**

Title:

Life Cycles of Animals & The Sacrament Cycle

Denomination: **Catholic**

Lesson ID: **LS-G4-08-CA**

Contact Info:

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

EWDG email: EWDG-Info@creationlens.org

EWDG web site: www.creationlens.org

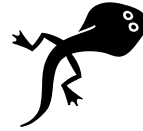
ITEST web site: www.faithscience.org

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 (ITEST). 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.

© ITEST © EWDG



LIFE SCIENCE – GRADE 4 - CATHOLIC

LESSON TITLE: Life Cycles of Animals & The Sacrament Cycle

SCIENCE LESSON CONCEPT

- Animal life cycles

GOAL OF SCIENCE LESSON

- Students will learn about the life cycle of a butterfly.
- Students will learn about the life cycle of a frog.

OUTCOME EXPECTED

- Students will observe the life cycle of a butterfly.
- Students will observe the life cycle of a frog.

RELIGION LESSON CONCEPT

- Cycle of reception of the sacraments

GOAL OF RELIGION LESSON

- Students will learn the Seven Sacraments of the Catholic Church.
- Students will learn the proper cycle for reception of the sacraments.

OUTCOME EXPECTED

- Students will be able to name the seven Sacraments of the Catholic Church.
- Students will be able to identify the symbol for each sacrament.

MATERIALS NEEDED

- Science Journal Page: Butterfly Cycle of Life
- Science Journal Page: Frog Cycle of Life
- Science textbook
- Pen or pencil
- Double Bubble Graphic Organizer for each student

SCIENCE METHODOLOGY

- **IDENTIFY** the four stages of the life cycle of a butterfly by using a chart.
- **EXPLAIN** the four stages of the life cycle of a butterfly.
- **HAVE** the students draw and label the major parts of each cycle on the Science Journal Page: Butterfly Cycle of Life.
- **GIVE** each student a copy of the Double Bubble Graphic Organizer to fill in the information about the life cycle of a butterfly.
- **IDENTIFY** the parts of the life cycle of a frog by using a Frog life cycle chart.
- **EXPLAIN** the parts of the life cycle of a frog.

MATERIALS NEEDED

- Religion Textbook
- Chart of the Seven Sacraments
- Chart of the Symbols for each sacrament
- Pen or pencil
- Double Bubble Graphic Organizer for each student

RELIGION METHODOLOGY

- **ASK:** What is a sacrament?
- **SAY:** The sacraments are the ways Jesus is still present today. Even though we can't see Him, He forgives in the Sacrament of Reconciliation. He feeds us in the Sacrament of the Holy Eucharist. He blesses us in the Sacrament of the Anointing of the Sick. He witnesses our vows of marriage in the Sacrament of Matrimony. He chooses men to serve the Church in the Sacrament of Holy Orders. He sends the Holy Spirit to strengthen us in the Sacrament of Confirmation.
- **IDENTIFY** the seven sacraments: Baptism, Penance, Holy Eucharist, Confirmation, Matrimony, Holy Orders, Anointing of the Sick.
- **EXPLAIN** each Sacrament and how it deepens our spiritual life.

- **HAVE** the students draw and label the major parts of the life cycle of a frog on the Science Journal Page: Frog Cycle of Life.
- **HAVE** the students fill in the information about frogs on the Double Bubble Graphic Organizer sheet.
- **USE** the organizer chart to make comparisons between butterflies and frogs.
- **AFTER** the Religion lesson on Sacraments, use the graphic organizer to make comparisons.
- **ASK:** Do you see a connection between the science cycle and the religion cycle.
- **DISCUSS** the connections the students see.
- **POSIT:** Animal life goes through a cycle or an order.

- **EXPLAIN** that most people receive the Seven Sacraments in an order that goes from when we are young to old.
- **WRITE:** Baptism, Penance, Holy Eucharist, Confirmation, Matrimony or Holy Orders, and Anointing of the Sick.
- **DRAW** the symbol for each sacrament:
Baptism: Pouring water, baptismal robe, candle, words of Baptism;
Penance: Words of absolution, confession of sins;
Holy Eucharist: Body and Blood of Christ;
Confirmation: Chrism oil, Imposition of hands;
Matrimony: Speaking of the vows, wedding rings;
Holy Orders: Laying on of hands, anointing of hands of priest;
Anointing of the Sick: Rubbing on of oil on forehead and hands, imposition of hands, words of the rite.
- **HAVE** the student write the name of each sacrament in the Religion Notebook and draw the symbol(s).
- **FILL IN** the double bubble graphic organizer with Sacrament information.
- **ASK:** Do you see a connection?
- **SAY:** Some animal, plant, or person lives because God is present to it. That plant, animal, or person is in the mind of God at all times.
- **POSIT:** The Sacraments are free gifts of God to help us

grow stronger in our faith. We usually receive them in an order which shows that we are more mature.

SCIENCE LINKS

www.discoveryschool.com

www.softschools.com/science/butterfly

[Butterfly life cycle: Butterfly worksheets and Games](#)

Connecting the dots games.

www.teachervision.fen.com/insects/printable/5449.html

[Butterfly Life Cycle Worksheet Printable \(4th - 5th Grade](#)

...This **worksheet** aligns with the **Life Cycle of Butterflies** lesson.

www.atozteacherstuff.com/Themes/Life

[Cycles/Butterfly Life...Butterfly Life Cycle Theme - Lesson](#)

[Plans, Thematic Units ...](#)A to Z Teacher Stuff ~ Teacher

Resources, Lesson Plans, Themes, Tips, Printables, & more

www.bogglesworldesl.com/froglifecycle.htm

[Frog Life Cycle Worksheets](#) Activities and **worksheets** for teaching about **frog** metamorphosis

www.worksheetplace.com/

[index.php?function=DisplayCategory&show...](#)

[Life Cycle of a Frog Worksheets](#) Life Cycle of a Frog Life

cycle of a frog **worksheets**. ... Free **worksheets**. Math

worksheets, punctuation **worksheets**, phonics **worksheets**, multiplication **worksheets**.

www.kidzone.ws/lw/frogs/activities.htm

[Frog Activities](#) **Frog Worksheets**: About **Frogs** ; Creative

Writing ; **Frog Life Cycle** with words or no words ; **Frog**

Picture Book: title page and picture paper

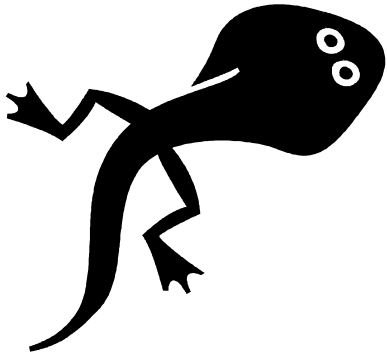
RELIGIOUS LINKS

www.usccb.org United States Conference of Catholic Bishops/sacramental teachings

www.catholicmom.com/2007_lesson_plans/sacraments.pdf
[CatholicMom.com Gospel Activity – Celebrating Our Catholic Faith ...](#)

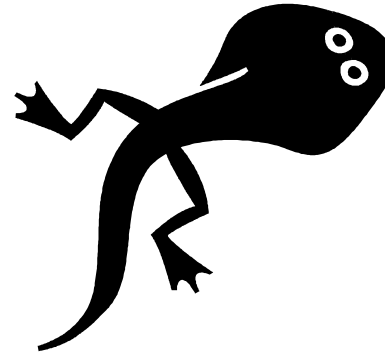
Tons of activities for all the sacraments. Games
catholicmom.com

http://www.catholicmom.com/2007_lesson_plans/WhatSacramentIsIt.pdf. What Sacrament Is It? ...



KEY WORDS

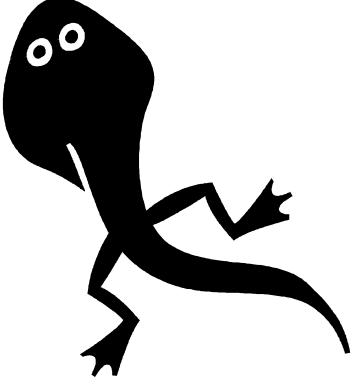
- PUPA
- LARVA
- COCOON
- BUTTERFLY
- EGG
- TADPOLE
- FROG



KEY WORDS

- SACRAMENT
- BAPTISM
- PENANCE
- HOLY EUCHARIST
- CONFIRMATION
- MATRIMONY
- HOLY ORDERS
- ANOINTING OF THE SICK
- SYMBOL

KEY WORDS



PUPA

LARVA

COCOON

BUTTERFLY

EGG

TADPOLE

FROG

SACRAMENT

BAPTISM

PENANCE

HOLY EUCHARIST

CONFIRMATION

MATRIMONY

HOLY ORDERS

ANOINTING OF THE SICK

SYMBOL