



Grade Level: Grade 3

Title:

Survival in an Ecosystem & Liturgical Year

Denomination: Catholic

Lesson ID: LS-G3-10-CA

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

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LIFE SCIENCE –GRADE THREE– CATHOLIC

LESSON 10: Ecosystems and Living Things and our Liturgical Year is an Spiritual Ecosystem

GENERAL CONCEPT: How do living things survive in Ecosystems?

SCIENCE LESSON CONCEPT

There are four different ways of survival: adaptation, hibernation, migration, and camouflage.

GOAL OF SCIENCE LESSON

Student will know the four ways of survival in an ecosystem.

OUTCOME EXPECTED

Student will be able to give an example of an animal which uses each survival method.

MATERIALS NEEDED

- Flip chart or blackboard
- Marker or Chalk

RELIGION LESSON CONCEPT

The Liturgical Year is an Ecosystem in which we can survive and prosper spiritually.

GOAL OF RELIGION LESSON

Student will know how the liturgical year brings comfort and stability to us.

OUTCOME EXPECTED

Student will be able to name the seasons of the Liturgical Year and be able to describe each one.

MATERIALS NEEDED

- Liturgical Year Chart - wheel
- Photographs of the church in different seasons

- Animal books
- Pictures of brown bear, chameleon, bird, and polar bear
- Terrarium with branches and leaves for lizard
- A live lizard or chameleon
- Science Journal Page: SURVIVAL WAYS

SCIENCE METHODOLOGY

- **GIVE** each student the Science Journal Page: SURVIVAL WAYS and a pen or pencil.
- **WRITE** the four survival ways on the flip chart or board: ADAPTATION, HIBERNATION, MIGRATION, CAMOUFLAGE.
- **HAVE** the student copy the ways on the Science Journal Page.
- **EXPLAIN** what each word means and how animals use it to survive.
- **HAVE** the student look in Animal books for animals that could fit under each category.
- **HAVE** the student record a certain number of animals

- Bible and copies of Psalm 23
- Cardboard to make a child-sized crook for each student
- Large cardboard Shepherd's crook
- Art Supplies
- Paper
- Construction paper: violet, purple, rose, green, white, red

RELIGION METHODOLOGY

- **SHOW** the pictures of the church in different seasons.
- **ASK:** Is it the same church? What is different?
- **GET** to the answer that the color is different.
- **PUT UP** the different color construction paper on the board.
- **EXPLAIN** that each color represents a season or part of a season in the Church's Year.

VIOLET = Advent – Show it on the Liturgical Year Chart.

WHITE = Christmas – Show it on Lit. Year Chart

- **DISCUSS** the animals under each heading.
- **BRING OUT** the terrarium.
- **ASK:** Why is this a good ecosystem for alizard or a chameleon? (Provides everything the creature will need to survive.)
- **ASK:** Is there anything we need to add to make it better? (Heat,rocks, lizard.)
- **ADD** the lizard and get volunteers to take care of the terrarium.
- **POSIT:** A balanced Ecosystem allows a creature to survive in a good manner.

PURPLE = Lent – Show it on the Chart

GREEN = Ordinary Time

RED = Pentecost

ROSE = divide the piece in half. Put the rose by the violet of Advent and the Purple of Lent. Explain the half way through each season we have a rejoice Sunday.

- **HAVE** the student draw the altar area of church in the current liturgical season.
- **DISPLAY** the drawings under a sign with the name of the correct Liturgical Season.
- **POSIT:** The Liturgical Year is a balanced ecosystem for us to work, grow, rest spiritually.

RESOURCES, LINKS, AND COMPUTER LESSONS

Science Links

(Student) Gives definitions and explains terms; activities, coloring, crafts, home school lesson plans

http://www.learninghaven.com/science/articles/animals_and_adaptation.htm

(Student) Exploring Ecosystems

http://www.harcourtschool.com/activity/exploring_ecosystems/index.html

(Student) Lesson 1: Ecosystems. A community and its interaction with.. Activities based on the EcosystemLesson Plan.

<http://www.kidsfortigers.org/teachers/lessonplans.php>

Religious Links

(Teacher and Student) Explains the colors of the seasons of the Liturgical Year

http://cyberfaith.com/liturgical_year.cfm

Computer Lesson

(Teacher and Student) Gives lessons on the Smartboard, Power Point, Kidspiration, lesson plans, resources, assessment, and more

<http://www.rockingham.k12.va.us/howto/smartboard/ideas.htm>

KEY WORDS
LIFE SCIENCE – GRADE THREE - LESSON 10 - CA



LIVING THINGS
SURVIVAL
ADAPTATION
HIBERNATION
MIGRATION
CAMOUFLAGE
TERRARIUM
LIZARD



LITURGICAL YEAR
ECOSYSTEM
STABILITY
ADVENT
CHRISTMAS
LENT
EASTER
PENTECOST
ORDINARY TIME

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