



# Creation Lens

*Exploring the World, Discovering God*

*Grade Level: Grade 5*

*Title:*

## **Being Fed**

*Denomination: Catholic*

*Lesson ID: LS-G5-05-CA*

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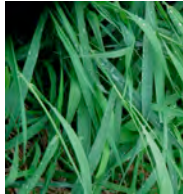
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***Note: Web sites referenced in this lesson were valid at time of publication.***

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## **LIFE SCIENCE – GRADE 5 – CATHOLIC**

### **LESSON TITLE: Being Fed**

#### **SCIENCE LESSON CONCEPT**

- Animals in an ecosystem are part of the food chain
- Some animals in their social structure use teamwork to get food

#### **GOAL OF SCIENCE LESSON**

- Students will learn what specific animals need to survive.
- Students will learn how animals have to adapt in certain habitats/ecosystems.

#### **RELIGION LESSON CONCEPT**

- As Catholics we need to be spiritually fed on a daily basis
- One food source is the Holy Eucharist
- We are also fed by observing and living the precepts of Catholic Social Teaching

#### **GOAL OF RELIGION LESSON**

- Students will learn about Catholic Social Teaching.
- Students will review information about the Holy Eucharist.
- Students will learn that living the teachings will not only enhance their faith but help them grow spiritually.

### **OUTCOME EXPECTED**

- Students will observe that all animals/creatures need food to sustain life.
- Students will learn that if a food source dwindles, the predators need to adapt to a new food source or risk becoming extinct.

### **MATERIALS NEEDED**

- Science Journal page: Energy Pyramid
- Pen or pencil
- Picture of animals
- Computer
- Magazines/books (ask permission before cutting)
- White paper of any size to be used to construct a pyramid shape
- Scissors
- Markers
- Glue Stick
- Tape

### **OUTCOME EXPECTED**

- Students will grow in their love and respect of the Holy Eucharist.
- Students will become aware of the role that Catholic Social Teaching should play in daily life.
- Students will go from class and teach others that Catholic Social Teaching begins at a young age.

### **MATERIALS NEEDED**

- Religion Notebook/Journal
- Pen or pencil
- Large outline/poster of the Seven Essential Elements of Catholic Social Teaching (see Religion Links section)
- Poster of Ten Commandments
- Poster of the Beatitudes
- Bible for each student
- Information/materials on local charities
- Cut-out of a student that can be attached to the outline or poster of Catholic Social Teaching.
- Note cards

- Chalkboard
- Chalk

## SCIENCE METHODOLOGY

- **IDENTIFY** various animals/species that live in your area. Then identify animals/species that live in your state and country.
- **SAY:** The Energy Pyramid shows how animals depend on each other as food sources.
- **ASK:** Where would this food chain or energy pyramid begin?
- **EXPLAIN** that larger animals would be placed further/higher, while more defenseless creatures and plants are lower. Plant life is at the very bottom of the food chain. Some sea creatures such as plankton and foraminifera (krill, jelly fish) are at the lower levels of the food chain or pyramid.
- **ASK:** Can you give me other examples of the energy chain or food pyramid? (worm, small fish, larger fish, human)
- **HAVE** the students bring in pictures of various animals to be used or traded with other students to construct an energy pyramid.
- **HAVE** students begin constructing each side of the pyramid (4 sides).

- Teacher prepared “sin cards”

## RELIGION METHODOLOGY

- **SHOW AND EXPLAIN** the poster of the Seven Essential Elements of Catholic Social Teaching.
- **USE** the cut-out of a student to explain that this cut-out represents a Catholic person.
- **ASK:** What happens to this person when they faithfully follow God?
- **SHOW and REVIEW** the posters of the Ten Commandments and the Beatitudes.
- **HAVE** students place note cards with ideas of ways to live and practice this teaching on the student cut-out.
- **STUDENT** explains what the note card says. (I will play soccer fairly, I will be poor in spirit by waiting for what I want patiently)
- **PERIODICALLY** place a “sin card” on the cut-out. (I cheated, I lied, I teased my brother to hurt him)
- **ASK:** How does this “sin” affect you? (what happens to any part of the Body of Christ affects all of the Body of Christ)
- **ASK:** What happens when we follow Catholic Social Teaching? (the Body of Christ is built up, made stronger,

- **DRAW** and label the four sides of the food pyramid on the chalkboard.
- **MAKE SURE** that each student has 16 total pictures.
- **STUDENTS** should explain to classmates how their energy pyramid works.
- **POSIT:** In the energy pyramid, the food eaten by the first animal is gained by the second animal that eats the first one and continuing to the last predator. Every creature needs to be fed.

includes more people)

- **ASK:** Where do we get the energy to do all the ideas you wrote on the note cards and placed on the outline figure? (prayer, grace from the sacraments, a personal relationship with Jesus)
- **SAY:** The Holy Eucharist is the food from which we receive the strength and energy to live out our faith.
- **EXPLAIN** that we are daughters and sons of God and we all sin. It is important to ask and receive forgiveness in the Sacrament of Reconciliation. It is important that we are fed with the Body and Blood of Jesus in Holy Communion, through prayer, and by using the graces that the Holy Spirit gives to us.
- **SAY:** Look at the posters of the Ten Commandments and the Beatitudes.
- **SAY:** Now look at the Poster of Catholic Social Teaching.
- **ASK:** How are they alike? (CST gives specific directions for living the other two)
- **POSIT:** We are fed by the Sacraments, prayer, and the graces of the Holy Spirit to practice daily the precepts of Catholic Social Teaching.

## SCIENCE LINKS

### Foraminifera- Definition

L. foramen, -aminis, a foramen + ferre to bear.]

(Zoöl.) An extensive order of rhizopods which generally have a chambered calcareous shell formed by several united zooids.

Many of them have perforated walls, whence the name. Some species are covered with sand. See RHIZOPHODA.

[www.vtaide.com/png/foodchains.htm](http://www.vtaide.com/png/foodchains.htm)

Food chains and Food Webs – Virtual Teacher Aide. What is a food chain? Find out why there are more herbivores than carnivores...meet their food and energy requirements. These interconnected food chains form a food web. Can be used with students. Good illustrations in color.

## RELIGION LINKS

[www.usccb.org](http://www.usccb.org)

Seven Essential Elements of Catholic Social Teaching

[www.osjspm.org/files/officeforsocialjustice/files/cst.ppt](http://www.osjspm.org/files/officeforsocialjustice/files/cst.ppt)

[Overview of Catholic Social Teaching](#) 553k - Microsoft Powerpoint - [View as html](#)

Sharing Catholic Social Teaching: Challenges and Directions ... essential part of Catholic identity and formation. Sharing Catholic Social Teaching: ... Good background for the teacher and for parents. Good explanation of the Catholic Social Teaching with pyramid illustrations and Biblical and Church History cites.

[www.usccb.org/cchd/SAPv5.pdf](http://www.usccb.org/cchd/SAPv5.pdf)

[Poverty USA Student Action Project](#) This project uses Catholic social teaching as its starting point. ... Students in the older elementary grades 4-8 reflect on the meaning. and causes of poverty ... **Good example of putting CST into action.**

## KEY WORDS

- PYRAMID
- ENERGY PYRAMID
- FOOD CHAIN
- PREDATOR
- PREY
- ADAPT
- SURVIVE
- TEAMWORK
- HABITAT
- ECOSYSTEM
- PLANKTON
- FORAMINIFERA
- FOOD WEB
- HERBIVORES
- CARNIVORES

## KEY WORD

- TEN COMMANDMENTS
- BEATITUDES
- CATHOLIC SOCIAL TEACHING
- ESSENTIAL
- ELEMENTS
- SPIRITUAL FOOD
- HOLY EUCHARIST
- GRACES