



*Grade Level: Grade 4*

*Title:*

## **Growth of Cells & Parts of the Body of Christ**

*Denomination: Catholic*

*Lesson ID: LS-G4-03-CA*

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

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Connective tissue cell



Red Blood Cell



Bone Cell

## LIFE SCIENCE MODULE – GRADE FOUR - CATHOLIC LESSON 3: Growth of Cells and We form the Body of Christ.

**GENERAL CONCEPT: Growth of cells and we are cells in the Body of Christ.**

### SCIENCE LESSON CONCEPT

Cells make up our body. Identifying cells in matter. How do cells grow? Cells need nutrition to grow.

### GOAL OF SCIENCE LESSON

Student will learn what cells need to grow and flourish.

### OUTCOME EXPECTED

- Student will observe that living cells need food to grow.
- Student will observe that cells work together to make something bigger.

### MATERIALS NEEDED

### RELIGION LESSON CONCEPT

We are cells in the Body of Christ. We need food to grow.

### GOAL OF RELIGION LESSON

- Student will learn that we need spiritual food too.
- Student will learn that working together as one body we can easily perform a service for another person.

### OUTCOME EXPECTED

- Student will be more aware that they need to feed their faith.
- Student will be more aware that each one has a responsibility to contribute to the whole community.

### MATERIALS NEEDED

- Microscopes
- Slides of cells
- Empty slides to use slides from their cheeks
- Science Journal Page: CELLS: HOW THEY GROW
- Pencil/pen
- Crayons/markers
- Toothpick

#### SCIENCE METHODOLOGY

- **IDENTIFY** the cells in various pieces of matter.
- **SAY:** Cells are very small. We can't see them with just our eyes. We need a microscope to see these very tiny pieces.
- **EXPLAIN** the parts of the microscope and how to use a microscope.
- **HAVE** the student draw and label the major parts of the microscope on the Science Journal Page or a ditto page.
- **HAVE** each student look at a slide with cells. They should record what they see on the Science Journal Page.
- **HAVE** each student lightly scrape their cheek with the

- Large Outline of the Body of Christ on Board or Flip Chart
- Individual copies of the Body of Christ
- Service Project Materials: whatever is needed. Be sure that each child has a different task so that by working together, the project is completed. You can tie into a school project or a parish project.
- Story of the Ascension of Jesus into heaven.

#### RELIGION METHODOLOGY

- **USE** the large outline of the Body of Christ to tell the story of Jesus' Ascension into Heaven.
- **ASK:** So is Jesus gone?
- **SAY:** Jesus is still with us in the Holy Eucharist, in the Church, and in each other. He said he would be with us until the end of time. Jesus did a lot of work while He was on earth.
- **ASK:** What happens to His work now? Who is supposed to do His work now? (We are.)
- **SAY:** We are the Body of Christ on earth. Each one of us has a place in the Body. Some are called to be the feet of Jesus to carry his message to others. Some are called to be His hands – healing and helping others.

side of a toothpick and wipe the toothpick on an empty slide.

- **HAVE** the student look at their cells. Record what they see.
- **ASK:** What is needed to keep those cells growing? (Nutrition)
- **HAVE** the student record what they ate at the last meal on the Science Journal Page.
- **ASK:** How well did you feed your cells? Did you eat something from each food group? Too much of one thing and not enough of the other?
- **HAVE** the student write their evaluation of the nutrition of their last meal on the Science Journal Page.
- **HAVE** them write down what they need to eat to have a more nutrition-cell-friendly meal.
- **RECORD** the better meal on the Science Journal Page.
- **POSIT:** Our cells need balanced meals to keep us growing and healthy.

- **ASK:** What could we do together to be Christ today? Suggest a service project. Assign each student one task. Work to get the project done.
- **POINT** out how each person was necessary and contributed to the project.
- **POSIT:** We are Christ's Body on earth. We must work together so that His work continues each day.

## RESOURCES, LINKS AND COMPUTER LESSONS.

### Science Links

(Teacher and Parent and Student) Cells: parts and how they work. Copy and print.

<http://health.howstuffworks.com/cell1.htm>

(Teacher and Student) Parts of a Microscope – copy and print for students.

<http://shs.westport.k12.ct.us.mjvl/biology/microscope/microscope.htm>

(Teacher) FREE booklets (11) from the US Government on cells.

[http://www.free.ed.gov/subjects.cfm?subject\\_id=252](http://www.free.ed.gov/subjects.cfm?subject_id=252)

### Religious Links

(Teacher) Classroom activity to teach the Body of Christ.

<http://www.childrensministry.com/article.asp?ID=1345>

(Teacher) Story of the Ascension for Kids and coloring page activities.

<http://www.first-school.ws/activities/bible/ascension.htm>

(Teacher) Service Projects for Kids Suggestions

[http://baptist-church.suite101.com/article.cfm/service\\_projects\\_for\\_kids](http://baptist-church.suite101.com/article.cfm/service_projects_for_kids)

**KEY WORDS**  
**LIFE SCIENCE – GRADE FOUR - LESSON 3 - CA**



**CELLS**

**NUTRITION**

**MICROSCOPE**

**LENS**

**SLIDES**



**BODY OF CHRIST**

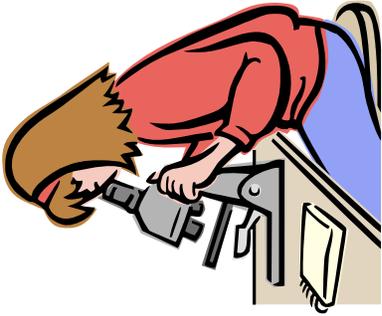
**SPIRITUAL FOOD**

**SERVICE**

**ASCENSION**

**HOLY EUCHARIST**

**KEY WORDS**  
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