



Creation Lens

Exploring the World, Discovering God

Grade Level: Grade 3

Title:

Factors of Plant Survival & Factors in Our Spiritual Growth

Denomination: Catholic

Lesson ID: LS-G3-04-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 4: Why do some plants grow and some die and Spiritual growth factors

GENERAL CONCEPT: Growth factors of plants and spiritual growth factors

SCIENCE LESSON CONCEPT

What causes some plants to grow and others to die?

GOAL OF SCIENCE LESSON

1. Student will practice prediction, observation, and recording as Science Skills.
2. Student will be able to identify water, air, soil, and light as necessary for plant growth and development.

OUTCOME EXPECTED

1. Student will have better science skills.
2. Student will know the four conditions for good plant growth.

MATERIALS NEEDED

- List the four conditions for good plant growth on chart or board.

RELIGION LESSON CONCEPT

Our spiritual growth is affected by the conditions around us.

GOAL OF RELIGION LESSON

1. Student will know the Parable of the Sower.
2. Student will know what environments and attitudes hinder us from being more like Jesus.

OUTCOME EXPECTED

1. Student will be able to identify situations to avoid.
2. Student will be able to tell the Parable of the Sewer.

MATERIALS NEEDED

- Copy of the Parable of the Sower and the Seeds
- Chart of the different kinds of soil on which the seeds were supposed to grow: stony, thorny, fertile, etc.

- Science Journal Page: CONDITIONS FOR PLANT GROWTH
- Pen or Pencil
- 4 kinds of soil: rocky, sandy, loamy, clay
- 4 pots
- Water
- Seeds (Bean seeds always seem to grow rapidly.)

SCIENCE METHODOLOGY

- **LIST** the four conditions for good plant growth on chart or board.
- **.EXPLAIN** how each condition contributes to the growth of the plant.
- **USE** the Science Journal Page by having the student list the conditions.
- **HAVE** the student write the four kinds of soil you have on the Science Journal Page.
- **HAVE** the student predict in which soil the seeds will do best.
- **PLANT** the seeds in the pots and water them; give them sunlight and air.
- **OBSERVE** the growth of the seeds/plants.

RELIGION METHODOLOGY

- **READ** the Parable of the Sower and the Seeds.
- **STOP** after the seeds fall and explain the type of soil.
- **DISCUSS** or review the soil conditions and why plants could not grow in them.
- **MAKE** the relationship connection with their life. They receive the Word of God. What kind of soil are they?
- **ASK** questions like: What kind of soil are we when our mother calls us and we don't want to come in? What kind of soil are we if we play around at Mass?
- **HAVE** the student suggest other instances of being good or poor soil.
- **POSIT:** The Word of God must fall on good soil in order for us to grow more and more like Jesus.

- **RECORD** the measurements and observations on the Science Journal Page.
- **COMPARE** results with predictions.
- **POSIT:** Plant grow or die depending on the conditions in which they are planted and exits.

RESOURCES, LINKS, AND COMPUTER LESSONS

Science Links

(Teacher) Site gives many lessons and activities for plant study

http://search.bbc.co.uk/cgi-bin/search/results.pl?q=plant+activities&Search=Search&uri=%2Fschools%2Fwebsites%2F4_11%2Fsite%2Fscience.shtm
!

(Teacher) Worksheets, fact sheets, and test; lots of various worksheets available. For test: search – plant tests

<http://search.bbc.co.uk/cgi-bin/search/results.pl?q=plant+worksheets&x=39&y=22&recipe=schools&scope=schools&tab=schools>

Religious Links

(Teacher and Student) Story of the Sower and the Seeds

http://www.dltk-bible.com/cv/jesus_tells_stories.htm

(Teacher) Songs, mini books, crafts, coloring pages, puzzles and much more.

http://www.dltk-bible.com/jesus/parables_1-index.htm

KEY WORDS
LIFE SCIENCE – GRADE FOUR - LESSON 4 - CA



GROWTH FACTORS
PREDICTION
OBSERVATION
RECORD
AIR
WATER
SOIL
LIGHT

PARABLE
SOWER
SEEDS
ENVIRONMENT
ATTITUDE
SOIL CONDITION
SPIRITUAL SOIL

KEY WORDS
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GROWTH FACTORS	PARABLE
PREDICTION	SOWER
OBSERVATION	SEEDS
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AIR	ATTITUDE
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SOIL	SPIRITUAL SOIL
LIGHT	