



Creation Lens

Exploring the World, Discovering God

Grade Level: **Grade 4**

Title:

Using Technology to Understand the Cycle of Life

Denomination: **Catholic**

Lesson ID: **LS-G4-09-CA**

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

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TECHNOLOGY AND LIFE SCIENCE - GRADE 3 - CATHOLIC **LESSON TITLE: Using Technology to Understand the Cycle of Life**

GENERAL CONCEPT: Using technology to understand the life cycle

SCIENCE LESSON CONCEPT

- Reflection on the meaning of the cycle of life in plants, animals, and humans through hands-on experiments and projects

GOAL OF SCIENCE LESSON

- To be able to describe and illustrate the life cycle of fish.
- To be able to describe and illustrate the life cycle of a plant or tree.
- To be able to describe and illustrate the life cycle of a

RELIGION LESSON CONCEPT

- Review, research and learn the God's role in the cycle of human life
- Review, research, and learn about our gratitude for being made in the image and likeness of God

GOAL OF RELIGION LESSON

- To be able to use technology to learn about the beauty of the cycle of human life.
- To take pride in their work and be able to talk to the class about their work.

mammal.

- To use the computer for research.
- To use the computer to illustrate the life cycle project.

OUTCOME EXPECTED

- Students will be able to identify and describe the stages of the life cycle of a fish.
- Students will be able to identify and describe the stages of the life cycle of a plant or tree.
- Students will be able to identify and describe the stages of the life cycle of a mammal.
- Students will be able to construct and show a KidPix Slide Show.

MATERIALS NEEDED

- Access to a computer
- Science Journal Page: Life Cycle
- KidPix computer program

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- To reinforce what is learned in science class about the life cycle.
- To increase knowledge of setting up a Slide Show in KidPix.
- To reinforce the doctrine of being made in the image and likeness of God.

OUTCOME EXPECTED

- Students will be able to construct a KidPix slide show complete with sounds and transitions that they can show to the class.
- Students will be able to tell the class something that was learned about the stages of a life cycle.
- Students will be able to explain what being made in the image and likeness of God means.
- Students will acquire skills doing the KidPix Slide Show.

MATERIALS NEEDED

- Computer
- Kid Pix program
- Color printer

- Science textbook and other references about life cycles of fish, plants and trees, and mammals.
- Pen
- Note taking cards

SCIENCE METHODOLOGY

- **SAY:** We are going to review and/or learn more about the life cycle of fish, plants, trees, and mammals by doing some research. You may use your Science textbook, other references, and the internet to decide if your project is going to be about a fish, plant, tree, or mammal life cycle.
- **ASK:** What do we already know about the life cycle of fish?
- **ACCEPT AND RECORD** information from students.
- **HAVE** the students record information on the Science Journal Page: Life Cycles.
- **ASK:** What do we already know about the life cycle of plants?
- **ACCEPT AND RECORD** information on plant life cycle from students.
- **HAVE** the students record information on the Science Journal Page.

- Projector

RELIGION METHODOLOGY

- **REVIEW** the doctrines of the origin of human beings and being made in the image and likeness of God.
- **SAY:** God created everything and saw that it was good. We are going to do a project that will allow you to work with some of God's creatures and improve your technology skills.
- **EXPLAIN** the project and have the students use the computer to access information about the life cycles of fish, plants and trees, and mammals.
- **HAVE** the students select either a fish, plant, tree, or mammal for the project.
- **INSTRUCT** the students on how to use the KidPix program.
- **ALLOW** the students to refresh their knowledge of Kid Pix programs.
- **INSTRUCT** the students on how to construct a Slide Show using the KidPix program.

- **ASK:** What do we already know about the life cycle of trees?
- **ACCEPT AND RECORD** information on the tree life cycle from the students.
- **HAVE** the students record information on the Science Journal Page.
- **ASK:** What do we already know about the life cycle of mammals?
- **ACCEPT AND RECORD** the students' information on the life cycle of mammals.
- **TELL** the students that their project will be to make a Slide show on the life cycle of one of these using KidPix and that they must add to the knowledge they already have on their Science Journal Page.
- **REVIEW** how to use Kid Pix.
- **REVIEW** the rules for internet usage and how to use information but put it in your own words.
- **INSTRUCT** the students on how to make a Slide Show using sound etc.
- **ALLOW** time for research, note-taking, and construction of the Slide Show.
- **ALLOW** each student to present their Slide Show.

- **HAVE** the students use the information collected in the science class on the fish, plant, tree, or mammal life cycle to construct the KidPix Slide Show.
- **ALLOW** time for each student to present their Slide Show and tell what skills they acquired in doing this project.
- **DISCUSS** what was presented after each slide show.
- **ASK:** How does this creature's life cycle show the wonderful ability of God?
- **ASK:** How does this slide show teach us about why it is important to respect all life?
- **POSIT:** The Life Cycle can be demonstrated using technology and can reinforce our respect for all life.

- **POSIT:** Technology allows us to present information in an interesting manner.

SCIENCE LINKS

www.internet4classrooms.com/skills_4th_science.htm
[Science Standards to use in 4th Grade classes to meet student ...](#) Links to help **Fourth Grade** students meet ... these habitats has distinct **life** forms living in it. Build a **Fish ... Life Cycles** [written for 3rd **grade**] **Salmon Life Cycle** ... Click on Grade 4; scroll down to Build a fish project.

www.ehow.com/facts_5608034_plant-life-cycle-activities.html
[Plant Life Cycle Activities | eHow.com](#) **Plant Life Cycle Activities**. **Plant life cycles** are ... Learning about **life cycles** of organisms is one of the kindergarten through **fourth grade life** ... like vegetables and **trees** ...

RELIGION LINKS

www.ehow.com/how_2120338_use-kid-pix-software.html
[How to Use Kid Pix Software | eHow.com](#) **Kid Pix**, a creative, artistic and educational software, allows kids to add all types of creations onto a virtual canvas. Kids can draw, paint, type and add moving

www.dioceseofgrandrapids.org/.../Curriculum/Grade%204.pdf
[Religion Fourth Grade](#) **Religion-Fourth Grade** ... created in **God's image and likeness**. ... in **God's image** 1. Creation of world, plants, and animals (Genesis 1:1-25) 2. **Made** in the **likeness of God** ... Good list of doctrines and activities.



KEY WORDS

- TECHNOLOGY
- LIFE CYCLE
- RESEARCH
- ILLUSTRATE
- DESCRIBE



KEY WORDS

- CREATED
- IMAGE AND LIKENESS OF GOD
- DOCTRINE
- KID PIX
- SLIDE SHOW
- RESPECT

KEY WORDS



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