*Grade Level:* **Grade 4**
*Title:*

# Using Themes to Structure Learning

*Denomination:* **Catholic**
*Lesson ID:* **PS-G4-08-CA**

*Note: Web sites referenced in this lesson were valid at time of publication.*
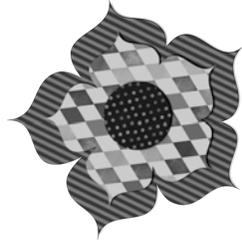
**TECHNOLOGY AND PHYSICAL SCIENCE -  GRADE 4 - CATHOLIC**
**LESSON TITLE:  Using Themes to Structure Learning**

**GENERAL CONCEPT**: Using technology and themes to structure learning & applying skills to spiritual growth

**SCIENCE LESSON CONCEPT**

- Reflection on the meaning of the theme cause and effect in daily life by demonstrating that meaning in hands-on experiments

**GOAL OF SCIENCE LESSON**

- To have a greater understanding of the cause and effect theme.

- To develop greater skill in following directions.

**RELIGION LESSON CONCEPT**

- Reflection on the meaning of the school religious theme for the year in daily life by illustrating that meaning in a software program that all students can use

**GOAL OF RELIGION LESSON**

- To have a greater understanding of the school theme as applied to daily life.

- To develop greater skill in using a drawing program.

- To develop greater skill in following directions.

**OUTCOME EXPECTED**

- Students will be able to identify cause and effect.

**MATERIALS NEEDED**

- 1 piece of white paper per student

- Crayons

- Stylus or pencil with a broken point

- A piece of colored construction paper for each student

- Glue

- Science Journal Page: Cause and Effect

**SCIENCE METHODOLOGY**

- **SAY:** I need to find out about the science principle of cause and effect. Today we are going to do some experiments to see if we can learn about cause and effect.

- **GIVE** each student a piece of white paper.

**OUTCOME EXPECTED**

- Students will have greater skill in using a drawing program.

- Students will have a greater understanding of the school theme, its meaning, and the application in the students' lives.

**MATERIALS NEEDED**

- Copy of School Religious theme

- Computer

- Kid Pix program

- Color printer

**RELIGION METHODOLOGY**

- **HAVE** a large copy of the school's theme for the year.

- **READ** the school theme.

- **ASK** students to explain it as they would to a visitor to the school.

- **TELL** the students to draw and color a design of many colors on the white paper.

- **HAVE** the student then use a black crayon to completely cover the design.

- **ASK:** What effect did the black crayon have on the design? (covered it up)

- **GIVE** each student a copy of the Beatitudes.

- **HAVE** the student use the stylus or broken point pencil to draw through the black crayon to make an illustration of one of the Beatitudes.

- **ASK:** What caused the Beatitude picture to appear? (stylus scraped off the black crayon)

- **SAY:** We are going to back our Beatitude pictures with a piece of colored construction paper.

- **HAVE** the students record the experiment on the Science Journal Page.

- **POSIT:** Everything we do has a cause and an effect.

- **MAKE** a list of the specific behaviors which the student explanations reveal.

- **GIVE** specific directions for the illustration project.

- **HAVE** the student illustrate the theme using the Kid Pix Drawing program.

- **HAVE** the student print the illustration.

- **DISPLAY** the illustrations with the school theme sign in the hall – either all at once or a few at a time over the year.

- **DISCUSS** the meaning of reflecting on the theme and what effect they hope to have on others by posting their illustrations.

- **ASK:** How did technology help you apply the school theme to daily life?

- **ASK:** What practical thing can you do to live the school theme this week?

- **POSIT:** Technology can be a good tool for understanding and applying the school theme to daily life.

**SCIENCE LINKS**

www.**proteacher.org**/c/456_**Cause_and_Effect**.html
**Cause and Effect** - Ideas for Teaching, Resources for Lesson
... ... think she teaches **fourth grade** as well. In my fifth **grade**
classroom, I use a Thinking Map to teach **cause and effect**. ...
cause and **effect** in my **science activities**, read ...

www.**education.com**/activity/article/
**Cause_Effect_Card_middle**
The **Cause and Effect** Card Game | **Activities** |
Education.com ... fun card game that quizzes your child on
**cause-and-effect** ... **4th Grade**; 5th **Grade**; Middle School;
High School ... Kids' **Activities**; **Science Activities**; Math
**Activities**

**RELIGIOUS 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 ...

**KEY WORDS**

- TECHNOLOGY

- RESEARCH

- CAUSE

- EFFECT

- STYLUS

**KEY WORDS**

- REFLECTION

- BEATITUDES

- ILLUSTRATION

- PROJECT

**KEY WORDS**



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