



# Creation Lens

*Exploring the World, Discovering God*

*Grade Level: Kindergarten*

*Title:*

## **Using Themes to Structure Learning & Applying a Theme to Daily Life**

*Denomination: Christian*

*Lesson ID: PS-GK-09-CH*

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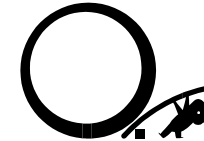
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***Note: Web sites referenced in this lesson were valid at time of publication.***

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## **TECHNOLOGY AND PHYSICAL SCIENCE - GRADE KINDERGARTEN - CHRISTIAN LESSON TITLE: Using Themes to Structure Learning & Applying a Theme to Daily Life**

**GENERAL CONCEPT: Using technology and themes to structure learning**

### **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**

- Models of cause and effect in action (ramp and lever, balls and bowling pins, ice and heat, construction paper and sunlight)
- Ramp
- Heavy block or stone
- Lever
- Ball
- Bowling pins
- Ice cube on a plate
- Hair dryer or heat source
- 1 piece of colored construction paper per student
- 1 shape cut out of dark construction paper
- Access to sunny windows

## **OUTCOME EXPECTED**

- Students will have greater skill in using a drawing program.
- Students will have greater understanding of the theme, its meaning, and its application in the student's life.

## **MATERIALS NEEDED**

- Copy of school religious theme
- Computer
- Kid Pix program
- Color printer

- Scotch tape

## SCIENCE METHODOLOGY

- **GATHER** the students around you on the floor or some area where they can all easily see the experiment.
- **SAY:** I have a small problem. I need to move this block/stone up this ramp but I can't touch it with my body. How can I move it?
- **ACCEPT** student ideas and try them out if possible.
- **SHOW** students the lever.
- **ASK:** Would this lever help?
- **SHOW** the students how the lever helps me push the stone/heavy block up the ramp.
- **LET** students try it out.
- **SAY:** We have used the science principle of Cause and Effect. We used the lever to push on the block/stone and the effect was that it moved.
- **SET UP** the bowling pins.
- **ASK:** What happens if I roll the ball toward the pins and it hits them?
- **ASK:** What is the cause of their falling? (the ball hits

## 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.
- **MAKE** a list of the specific behaviors which the student explanations reveal.
- **GIVE** specific directions for the illustration project.
- **HAVE** the students illustrate the theme using the Kid Pix Drawing program.
- **HAVE** the students 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:** What did you do with the Kid Pix program?
- **ASK:** How did it help you show how to live our school theme?

them)

- **ASK:** What is the effect of the ball hitting them? (they fall out of position)
- **SET UP** a piece of ice.
- **ASK:** What causes the ice to melt?
- **ACCEPT** student answers.
- **ASK:** What could I do if I wanted the ice to melt faster?
- **ACCEPT** student answers.
- **PLUG IN AND START** the hair dryer.
- **ASK:** If I point the hair dryer at the ice cube, what effect would the hot air have on the ice? (causes it to melt)
- **ASK:** What is the cause of the melting? (hot air)
- **GIVE** each student a piece of colored construction paper and a dark shape cut out of construction paper.
- **TELL** the student to tape the dark shape on the construction paper.
- **SAY:** We are going to put our construction paper art in our windows with the picture side to the glass.
- **ASK:** What do you think will happen?

- **ASK:** What is one thing you can do today to live our theme?
- **POSIT:** The computer can be a good tool to learn something and to show others what you have learned.

- **ACCEPT and RECORD** student predictions.
- **WAIT** a couple of weeks and then remove the pictures from the windows.
- **REVIEW** the student predictions.
- **HAVE** the students carefully remove the shape from the construction paper.
- **ASK:** What happened? (area of the shape should be darker than the rest of the construction paper)
- **ASK:** What caused the paper to fade (get lighter)? (the rays of the sun)
- **ASK:** What was the effect of taping the shape on the paper? (kept sunshine from fading the paper)
- **POSIT:** Everything we do has a cause and an effect.

## SCIENCE LINKS

[www.education.com/activity/article/](http://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** ... **Kindergarten**; 1st Grade; 2nd Grade; 3rd Grade; 4th Grade ... Kids' **Activities**; **Science Activities**; Math **Activities**

[www.superteacherworksheets.com/causeeffect.html](http://www.superteacherworksheets.com/causeeffect.html)

[Cause and Effect Worksheets](#) Printable **cause and effect** worksheets for teachers and homeschoolers. ... Simple **Science Activities**

[www.pages.prodigy.net/excellence1/](http://www.pages.prodigy.net/excellence1/)

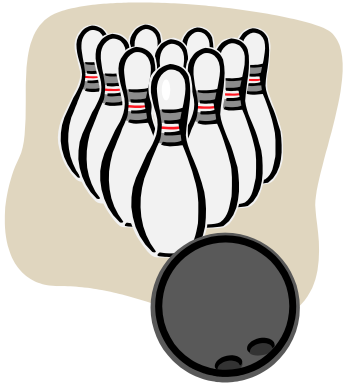
[cause%20and%20effect%20...](#)

[Cause and Effect Lesson Kindergarten](#) Microsoft Powerpoint **Cause and Effect Lesson Kindergarten** ... Interpret pictures to determine **cause and effect**; Draw pictures and/or use ...

## RELIGIOUS LINKS

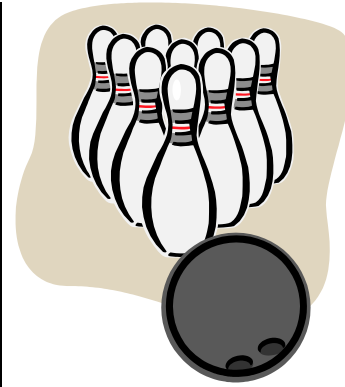
[www.ehow.com/how\\_2120338\\_use-kid-pix-software.html](http://www.ehow.com/how_2120338_use-kid-pix-software.html)

[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

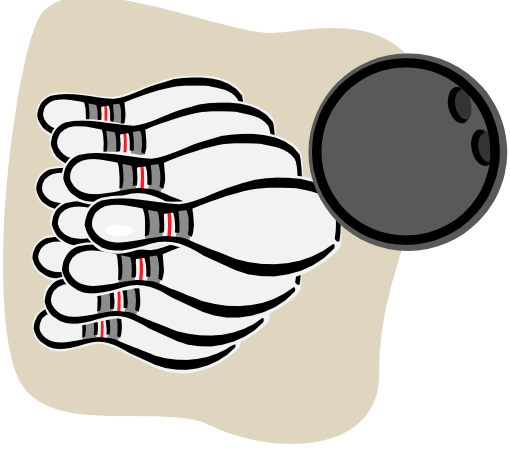
- CAUSE
- EFFECT
- LEVER



### KEY WORDS

- KID PIX
- ILLUSTRATION
- PROGRAM

KEY WORDS



CAUSE

EFFECT

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