



*Grade Level:* **Kindergarten**

*Title:*

**The Sun seems to move across the sky & we can turn toward God**

*Denomination:* **Christian**

*Lesson ID:* **ES-GK-01-CH**

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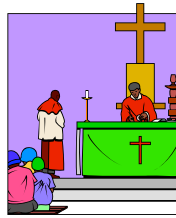
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***Note: Web sites referenced in this lesson were valid at time of publication.***

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## EARTH SCIENCE MODULES – KINDERGARTEN - CHRISTIAN LESSON 1 - The Sun seems to move across the sky and we can turn toward God.

**GENERAL CONCEPT:** The position of the sun in the sky appears to change during the day.

### SCIENCE LESSON CONCEPT

The sun seems to move from East to West during the day.

### GOAL OF SCIENCE LESSON

Student will know that the position of the sun appears to change during the day.

### OUTCOME EXPECTED

Student will know the sun seems to rise in the east and seems to set in the west.

### MATERIALS NEEDED

- Picture of the sun
- Background mural of sky and earth, house, and tree
- Sign: EAST

### RELIGION LESSON CONCEPT

When we pray at Church or Sunday School, we are turning toward God. When we play around at Church or Sunday School, we are turning away from God.

### GOAL OF RELIGION LESSON

Student will begin to learn how to participate at Church and Sunday School.

### OUTCOME EXPECTED

Student will exhibit better Church behaviors.

### MATERIALS NEEDED

- Visit to Church with tour of sanctuary, altar, and sacristy
- Small name signs for key items to identify.

- Sign: WEST
- Sign: DAWN
- Sign: NOON
- Sign: SUNSET
- Model of solar system
- Globe
- Science Journal Page: THE SUN
- Shadow outlines of house and tree on mural
- Poster putty to stick on shadow outlines
- Pencil
- Crayons

*NOTE: The Smartboard may be used in place of the mural.*

### **SCIENCE METHODOLOGY**

*It is critical that the student actively participates in the exercise and not just the teacher demonstrating the position of the sun.*

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- Identification of vestments: Alb (long, white, robe like a Baptismal garment), stole (it is like a policeman's badge. It says the priest is on duty), Chasuble (Chaz, you, ble) - outer vestment like a cape.
- Identification of sanctuary items: altar, tabernacle, candles, lectern, altar cloth, presider's chair, lectionary (Bible readings), crucifix
- Identification of sacristy items: Chalice, paten (plate), finger bowl, finger towel, hosts, wine, Sacramentary (Book with the words and actions of the priest).
- Identification of Church items: holy water fountains at doors, Baptismal font or pool, pews, aisles, Stations of the Cross, statues, stained glass windows, choir and music area and instruments.
- Globe that spins
- Cardboard SUN
- Drawing paper
- Crayons

**NOTE: ADJUST ITEMS TO IDENTIFY TO FIT YOUR CHURCH.**

### **RELIGION METHODOLOGY**

- **VISIT** the church and take a tour. Be sure you can get in to all the areas. Ask the minister, deacon, Director or Coordinator of Religious Education to lead the tour.

- **DEMONSTRATE** how the sun seems to move during the day.
- **USE** the mural to show how light first comes at DAWN when the sun rises about the skyline in the EAST. Show how the shadow of the house and the tree will be away from the sun.
- **STICK** the shadows to the house and tree to show sunrise.
- **REMOVE** the DAWN shadows from house and tree.
- **MOVE** the sun across the mural until it is directly above the house and tree. **EXPLAIN** that there is no shadow since the sun is directly above at noon.
- **MOVE** the sun toward the WEST and show how the shadows will now be on the other side of the house and tree.
- **STICK** the shadows on the east side of the house and tree.
- **SAY:** At SUNSET the sun seems to slip below the skyline and the earth gets dark.
- **REMOVE** the shadows and the sun.
- **ASK:** Does the sun really move? Why? Why not?

Be sure the tour leader knows what is on your list to identify. *This activity is crucial.*

- **HAVE** the student draw a picture of the church after the tour.
- **SAY:** Since Church is such a special place: God's House, what do we do when we are there on Sunday for worship? (Pray, sing, sit, stand, kneel, pay attention)
- **SAY:** Did you know that when you pray in church, you are turning toward God? Remember how the earth turned toward the sun and received the light from the sun? We get God's light when we pray.
- **USE** the cardboard sun and globe to emphasize: toward the sun = praying and behaving = turning toward God. Also tell them: away from the sun = playing around = turning away from God. Be as positive as possible in encouraging turning toward God
- **ASK:** When minister speaks, what should we do? (Listen)
- **ASK:** If you play around, talk, eat Cheerios or play with your doll or trucks during Church, did you know that you are turning away from God like the earth is turned away from the sun at night time?
- **HAVE** the students draw a picture of how they are going to act during Church or Sunday School.
- **POSIT:** When we pray, we are turning to God.

- **USE** the solar model to briefly show the student that the sun doesn't move around the earth.
- **USE** the globe to show that we turn on the north and south poles and we face toward (daylight) and away (night) from the sun.
- **HAVE** the students draw the mural scene on the Science Journal Page.

**POSIT:** The sun seems to move from east to west during the day.

### **ADDITIONAL ACTIVITY SUGGESTIONS**

~ **Draw their shadow in the morning and in the afternoon**

~ **Students find the sun first thing in the morning, when the lesson is being taught, and last thing in the afternoon.**

~**This lesson may complement your reading curriculum.**

## RESOURCES, LINKS AND COMPUTER LESSONS

### Science Links

(Teacher) Lesson Plan and Activities for teaching the four Cardinal Directions.

<http://www.lessonplanspage.com/SSArtEdiblePhysicalAndDirectionalStateGeography25.htm>

### Religious Links

(Teacher) Two sets of coloring pages of creation for teacher to print and copy.

<http://www.coloring.ws/creation.htm>

(Teacher) A mini-book on creation for teacher to copy templates and then print for student. Includes clear direction for assembly.

<http://www.dltk-bible.com/genesis/creation/book.htm>

**KEY WORDS**  
**EARTH SCIENCE – LESSON 1 – KINDERGARTEN - CH**

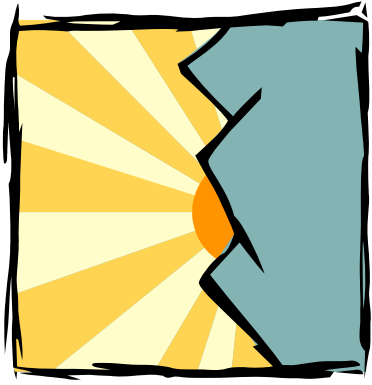


**SUN**  
**EAST**  
**WEST**  
**NORTH**  
**SOUTH**  
**POSITION**



**SERVICE**  
**PRAY**  
**ANSWER**  
**SING**  
**BEHAVE**  
**SANCTUARY**

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