

Lesson Plan by : **B. Veiga, Gr. 4, Belmont Street School**
Title : **Scott Foresman Science Module A Earth and Other Planets The Solar System**

Objectives:

- To have students learn to select the important facts
- To have students learn science vocabulary words
- To have students understand concepts of earth's movement
- To identify the cause & effect of the earth's movement

Procedure:

Using overhead have sentences written on transparency. Have students chant with a selected rhythm selected sentences for the day.

Vocabulary Words:

revolution axis rotation orbit

Dramatize the meaning of the new words in an *Earth Movement Game*. (Model after *Simon Says*)

Players:

- Sun - Student will be in the center
- Earth
- Moon

Have students pair up in groups of two. A caller will give direction for Earth's Movement.

- Earth will spin on his axis
- Earth will rotate

Cause & Effect:

- To have students understand the cause and effect of the earth's movement causing day and night
- To have students understand the cause and effect of the earth's movement causing season changes

Cause & Effect Activity

Using *Earth Movement Game*, the students will demonstrate positions of the earth's tilt during the seasons.

Chapter 1 Ten Important Sentences

1. The path Earth takes as it moves around the sun is called its **orbit**.
2. One full orbit around another object is called one **revolution**.
3. During that one year, Earth will have made one **revolution** around the sun.

4. Revolving around the sun is not the only way the Earth is moving.
5. Earth is also spinning.
6. Just like a top, Earth spins around and around an imaginary **axis**.
7. The Earth's **axis** starts at the North Pole, passes through the center of the Earth, and stops at the South Pole.
8. One full spin around the **axis** is called a **rotation**.
9. The amount of time for one **rotation** is one day.
10. On Earth, one **rotation** takes 24 hours .
11. The path Earth takes as it moves around the sun is called its **orbit**.
12. One full orbit around another object is called one **revolution**.
During that one year, Earth will have made one **revolution** around the sun.
14. Revolving around the sun is not the only way the Earth is moving.
15. Earth is also spinning.
16. Just like a top, Earth spins around and around an imaginary **axis**.
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