

Movement of the Earth and Seasons of the Year

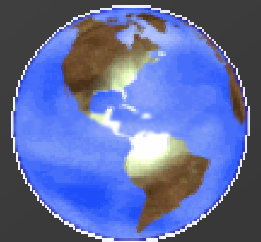
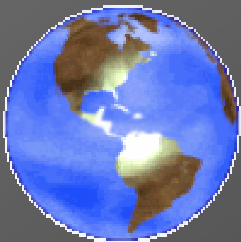
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Mrs. Lowery's Fourth Grade Class

Magruder Elementary

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Standards of Learning

4.7 Earth Patterns, Cycles, and Change

The student will investigate and understand the relationships among the Earth, moon, and sun.

Key concepts include:

- The motions of the Earth (revolution and rotation)
- The causes for the Earth's seasons



What We Did

- Went through the presentation
- Modeled by acting out the Earth's movement and tilt
- “Four Seasons” music
- Rotation of the Earth link
- Computer activities
 - Day and Night
 - CNN.com
- Earthmallow Activity
- Individual worksheet



How They Did



Summative

- Internet worksheets
- Individual worksheets










Formative








- Teacher comments
- Student questions
- Student responses



Student Reaction

-  Enthusiastic
-  Involved
-  Answered our questions
-  Asked meaningful, topic oriented questions
-  Excited about hands-on activities
-  Followed directions
-  Navigated well with the internet activities

What Went Well

-  Presentation
-  Demonstrations/modeling
-  Student reaction
-  Centers
-  Student behavior
-  Student previous knowledge
-  Cooperation of Mrs. Lowery

What Needs Improvement

- Students' off-topic questions
- Time of day
- Our awareness of the nature of the classroom and it's environment



Was it Worth It?

YES!



To the students:

- many abstract concepts explained through demonstrations and animations
- students were engaged and hanging on every word
- allowed the material to come to life
- provided a natural flow to the information



To us:

- teaching with technology
- researching technology online
- teaching in a new environment