

Learning Activity Template

Title: Earth Structures and Functions of Earth Systems

Curriculum : Science

Grade-Level Span: Grade 5

PURPOSE: The student will explore the interaction of the lithosphere, atmosphere, biosphere, hydrosphere, and space.

DESCRIPTION: Each groups of students will research one of the following: lithosphere, atmosphere, biosphere, hydrosphere, and space.

ACTIVITIES	CURRICULUM STANDARDS	NETS PERFORMANCE INDICATORS
1. The teacher will introduce what the earth is made up of; lithosphere, atmosphere, biosphere, hydrosphere, and space.	Earth and Space Science	Technology Communication Tools
2. Groups of 3-4 students will research one of the following; lithosphere, atmosphere, biosphere, hydrosphere, and space.	Earth and Space Science	Technology Research Tools
3. Teacher will lead a group discussion of the interaction of the lithosphere, atmosphere, biosphere, hydrosphere, and space	Earth and Space Science	
4. Have students explore how pollution in one sphere affects the other spheres.	Earth and Space Science	Technology Research Tools
5. The students will each make a computer generated mural of how the different spheres interact.	Earth and Space Science	Technology Communication Tools

TOOLS AND RESOURCES:

(List all Web sites, specific software and hardware, and other needs.)

www.2.cet.edu/ete/5-8/cintro/spheres.html

www.cotf.edu/ete/ESS/ESSspheres.html

www.classzone.com./books/earth_science/terc/content.visualizations/es01...

ASSESSMENT:(How will you assess the students' learning? If you have a rubric, record it here. Be as specific as possible.)The student will make a computer generated mural on how the different spheres interact and explain in a demonstration.

CREDITS (INCLUDING CONTACT INFORMATION):

(Record the names and e-mail addresses, if possible, of those who contributed to the development of this learning activity.)

Carrie White and Jennie Maine, Sue Staum and Terri DeMenge

COMMENTS:

(Have you taught this learning activity before? What are the great ah ha's/experiences you had?)

Used with permission of the International Society for Technology in Education (ISTE) National Educational Technology Standards (NETS) Project (<http://www.iste.org> or <http://cnets.iste.org>) Contact: Lajeane Thomas, Louisiana Tech University, P.O. Box 3161, Ruston, LA 71272; Voice: 318 257-3923 Email: lthomas@latech.edu