

Learning Activity Template

Title: An Elementary View of the Solar System

Curriculum: Science

Grade-Level Span: Gr. 3-5

PURPOSE:

The student will understand the characteristics and relationships of objects in the solar system.

DESCRIPTION: The student will identify the planets in the solar system and their relative sizes, distances, and basic characteristics.

ACTIVITIES	CURRICULUM STANDARDS	NETS PERFORMANCE INDICATORS
Powerpoint Slide Show	3 C - Universe	5
Investigate Web Site – 9 Planet Tour	3 C - Universe	1, 5, 6
Student Made Scale-Models of 9 Planets	3 C - Universe	
Laser Disk: Earth – Moon Systems	3 C - Universe	1, 5
Student Demonstrations – 3 D Models to show revolution, rotation, seasons, day/night, moon phases, etc.	3 C - Universe	
Investigate Web Site – Moon Phases	3 C - Universe	1, 5, 6
Field Trip to the Paulucci Space Theatre	3 C - Universe	
Powerpoint Interactive Assessment	3 C - Universe	1, 5

TOOLS AND RESOURCES:

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

www.nineplanets.org/, www.enchantedlearning.com/subjects/astronomy/moon/Phases.shtml, www.Home.hiwaay.net/~krcool/Astro/moon/moonphase , computer access, Earth-Moon Systems laser disk, Power point access, Materials for 3 D Models and Demonstrations – Styrofoam balls, string, adding machine tape, toilet paper, 200 watt clear light bulb, construction paper, art supplies

ASSESSMENT:

(How will you assess the students’ learning? If you have a rubric, record it here. Be as specific as possible.)

- Powerpoint Interactive Assessment
- Evaluation of Student Created Scale Models
- Evaluation of Student Demonstrations

CREDITS (INCLUDING CONTACT INFORMATION):

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COMMENTS:

Have you taught this learning activity before? What are the great experiences you have had?
Partially Taught Some Activities – Student Scale Models and Student Demonstrations

Students really like the hands-on activities. Tried the 9 Planet Tour on the Web with students answering questions with paper/pencil.

None of the technology powerpoint activities have been tried.

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