

WELES LESSON PLANNER

Lesson Activity	Resources Required	Web Resources Found
Create interest by showing short video clips or pictures of the planets in our solar system – prompting students to ‘guess’ where the picture is from.	Teacher Background information on each planet Video clips of solar system Pictures of each planet (un labeled) (to project or handouts)	Solar system activities: http://spacelink.nasa.gov/Instructional.Materials/Curriculum.Support/Space.Science/Our.Solar.System/index.html Educator guides: http://spacelink.nasa.gov/Instructional.Materials/Curriculum.Support/Space.Science/
Conduct questioning session on characteristics of the earth and other planets – create matrix	Background information on planets(distance from sun atmosphere, size, moons, landscape, life, etc.) (NOTE: math application on magnitude of numbers – size/distance, ratios –planet size)	See above
Discuss planets with astronomer.	Astronomer or communication network to astronomer	Ask a space scientist site: http://science.msfc.nasa.gov/faq/ask-a-scientist.htm Ask about the sun, planets and SOHO space craft: http://sohowww.nascom.nasa.gov/explore/drsoho.html
Students to work in groups to develop a description of each planet, each group with a different planet or celestial body in our solar system	Descriptions of planets / solar system Pictures of planets / solar system Example projects Grading rubrics Paper, markers, paint, tape, etc.	Planetary photojournal: http://photojournal.jpl.nasa.gov/ Info on each planets characteristics - http://www.nineplanets.org/ Solar system simulator: http://space.jpl.nasa.gov/ Imagine the Universe: http://imagine.gsfc.nasa.gov/docs/homepage.html Chronology of Lunar and Planetary Exploration: http://nssdc.gsfc.nasa.gov/planetary/chrono.html