

Solar System

Overview	The Purpose of the Lesson is to have the knowledge of our solar system and what objects make up our solar system. Students will be able to identify the major objects in our solar system, their composition and location.
Objective	After the students learn about the objects that make up our solar system. They will be able to answer the 5 questions that will be presented to them by the group that is presenting.
Standards	<p>ES.1.7</p> <ul style="list-style-type: none"> ▪ Describe the characteristics and motions of the various kinds of objects in our solar system, including planets, satellites, comets, and asteroids.
Materials	<ul style="list-style-type: none"> ❖ Computer ❖ Projector ❖ Sauropol.com ❖ http://nineplanets.org/ ❖ Sheets of paper with topics to be covered for each object. ❖ 2 weeks time
Procedure	<ol style="list-style-type: none"> 1) Students will be put into groups of 3-4 students. <ol style="list-style-type: none"> a) Given 2 days to research (Monday, Tuesday) b) 2 days to create website with Sauropol.com (Wednesday, Thursday) c) (Friday) Last day to finish 2) Each group will be given a sheet of paper with their solar system objects to research and the information they are to include. <ol style="list-style-type: none"> a) The sheets of paper will include <ol style="list-style-type: none"> i) Name of objects ii) Names origin, mythology iii) Size, mass, temperature, distance from sun, length of day and year iv) (Most common) chemical composition v) Discovered by? vi) Satellites vii) Special features viii) Motion ix) 5 Quiz questions x) Useful website: http://nineplanets.org/ b) The following sheets will also include these specific topics about the objects to have included <ol style="list-style-type: none"> i) Group 1: Sun-(Power produced by?, Solar Flares); Mercury ii) Group 2: Venus; Earth-(Structure of atmosphere, earth's layers) iii) Group 3: Mars-(Why scientists so interested?); Jupiter-(Storms) iv) Group 4: Saturn-(Rings, storms); Uranus v) Group 5: Neptune-(Storms, rings); Pluto-(What is it?) 3) After Research/Website week students will present information to class on the

	<p>following week.</p> <p>a) A group will go each day of the following week</p> <p>4) After group presentation, class will answer each group's questions individually as a quiz.</p>
Evaluation:	<p>Compare the information that is presented to the requirements sheet given to each group. Make sure all information is present and accurate. Evaluate websites creativity and group presentation. And grade the 5 questions that each group gave to the class.</p>

1. Standards from: <http://dc.doe.in.gov/Standards/AcademicStandards/StandardSearch.aspx>