

Grade Level: 3

<b>Overview</b>	The purpose of this lesson is to help students learn the order of the planets and to help them grasp how big the planets are and how far apart they are in our solar system.
<b>Objective</b>	After learning the order of the planets I will pull students aside individually and have them recite to me the planets in order using the acronym I taught them.
<b>Standards</b>	3.2.5 Construct planets from construction paper in order to create our own classroom planetarium. 3.5.1 Convert the distance between planets from miles to inches.
<b>Materials</b>	<ul style="list-style-type: none"><li>• Construction paper</li><li>• Rulers</li><li>• Planet templates</li><li>• Colored pencils or crayons</li><li>• Scissors</li><li>• Pencils</li><li>• Tape</li><li>• Big Poster of the solar system with the planets</li><li>• Zotero database to hold information on the distance between the planets and other fun facts as well as pictures.</li></ul>
<b>Procedure</b>	<ol style="list-style-type: none"><li>1. To start, I would bring out the big poster with the planets on it and I will go through and point at each planet individually. I will first give the students a chance to share with me their knowledge by raising their hand and sharing with the class what the planet is. If no one knew the answer then I will inform them.</li><li>2. After going through every planet I will teach the students the acronym to help them remember the order. My Very Excellent Mother Just Served Us Nine Pizzas. Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune, and Pluto.</li><li>3. After I feel the class has mastered the knowledge I will inform them that we are making a classroom planetarium.</li><li>4. I will separate the class into nine groups and have them work on making the planet in which I assign them. I will already have the template of the planets made so the students just have to trace, cut out and decorate the planet that I assign them.</li><li>5. While the students are working in their groups. I will pull students aside individually and test them on their knowledge of the planets and their order. They will have to use the acronym I taught them and recall the order of the planets.</li><li>6. Once everyone is done being tested and is done creating their planet. I will have the students bring up their planets and I will put them in order with their help and as a class we will measure out the distance between the planets. This will help the students better grasp the size of the planets and solar system.</li><li>7. Then to wrap things up I will ask the students to tell me five things they learned and I will list the five things on the board.</li></ol>
<b>Evaluation</b>	<ul style="list-style-type: none"><li>• I will test what my students learned by testing them individually on their ability to name the planets in order. It will be out of 15 points: 15 points if they can name the planets correctly in order 10 points if they can name more than half in order 5 points if they struggle and cannot get more than half</li></ul>

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|  | <ul style="list-style-type: none"><li>• Then for working well in the group and participating they will get another 10 points to make the whole assignment worth 25 points.</li></ul> |
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<http://school.discoveryeducation.com/lessonplans/programs/classroomplanetarium/>