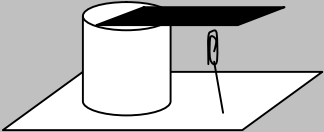


Pre-K Class, Month: February

Theme: A free and responsible search for truth and meaning/ Science , Outer Space and Flight

<p>Food Idea: Edible Space Ships Use food and peanut butter to create a rover or edible space ship.</p>	<p>Food Idea: Anything freeze Dried</p>	
<p>Food Idea: <i>ASTRONAUT ROLL-UPS</i> <i>4 McIntosh Apples; 4 navel oranges, 2 tab. butter</i> Peel, core and slice apples. Peel and seed oranges. Puree fruit in a blender or food processor. Lightly butter 15" X 10" X 1" pan. Bake at 200 degrees for 3 hours, with the door slightly ajar. Remove when dry, cut into 12 pieces. Place pieces on waxed paper and roll them up!</p>	<p>Food Idea: Moon Balls: 2 C. Peanut Butter, 1 1/3 C. Honey, 2 C. Raisins, 2 C. Dry Milk, 3 1/2 C. Graham Cracker Crumbs. Mix dry milk, raisins, and 3 c. graham cracker crumbs. Add honey and peanut butter, mix well. Roll into small balls. Place remaining graham crackers in a Ziploc baggie, place several balls into the baggie and shake. Place on a cookie sheet and chill then eat.</p>	<p>Food Idea: Space Pudding: Materials: Pudding mix, milk, Ziploc bag In a Ziploc bag mix 1/8 cup pudding mix and 1/4 cup milk. Close bags. Gently knead until pudding forms. Cut off the corner of the baggie and squeeze the pudding in your mouth!</p>

Date	Activity 1	Activity 2	Activity 3	Activity 4
1.	<p>Black Splatter Paint Skies Materials: Black construction or tissue paper, white paint, paint brushes Lay out the black construction paper. Carefully dip the white paint and shake the paint brush onto the paper to make "stars" and "constellations". You can name the constellations or put the paper as a bulletin board back drop.</p>	<p>Balloon blowing Materials: bottle, balloon, vinegar, baking soda. Fill the bottle with vinegar. Fill the balloon with 1/4 the amount of baking soda as vinegar. (If you used 1 cup of vinegar, you would use 1/4 cup of baking soda. You might want to use a funnel to fill the balloon. Carefully tighten the balloon over the bottle. Tip the balloon into the bottle of vinegar. The balloon will blow up.</p>	<p>1. Play dough: Color Red 2. Four Little stars: Four little stars winking at me. One shot off, and then there were three! Three little stars With nothing to do. One shot off, and then there were two! Two little stars Afraid of the sun. One shot off, and then there was one! One little star Alone is no fun. It shot off, and then there was none!</p>	Yoga with Teacher Jane

2.	<p>Coffee Filter Planets Materials: Coffee filters, water color, droppers Drop the water color onto the filters. Watch how it moves throughout the filter.</p>	<p>Blast Off Materials: Fugi film container, alka seltzer tablet, water Remove the lid. Make the rocket by taping a piece of paper around the canister. The paper should be a little longer than the canister. Tape a cone made out of paper to the unopened end. Fill the container about ½ full. Add ½ tablet of alka seltzer and carefully place the lid tightly onto the canister. Stand back! As the container fills with carbon dioxide, the lid will shoot directly into the air.</p>	<p>3. Climb aboard the Spaceship! Sung to itsy bitsy spider Climb aboard the spaceship, We're going to the moon. Hurry and get ready, We're going to blast off soon. Put on your helmets And buckle up real tight. Here comes the countdown, Let's count with all our might. 10-9-8-7-6-5-4-3-2-1---BLAST OFF!</p>	Public Speaking (Share Day) Children share items, stories, jokes etc...
3.	<p>Planet Art Materials: Styrofoam balls, paint. Create the planetary system with the Styrofoam balls. You will want eight different sizes for each planet. The sizes of the planets and their percent of diameter compared to the Earth's diameter are: Mercury: 4,880, 38%; Venus: 12,104, 95%; Earth: 12,756, 100%; Mars: 6,787, 53%; Jupiter: 14,2800, 1,119%; Saturn: 120,600, 945%; Uranus: 50,800, 398%; Neptune: 48,600, 381%; Pluto: 3,000, 24% After you make the planets, use a stick to stick them into a very large Styrofoam ball painted yellow.</p>	<p>Gravity Defiance Materials: String, paper clip, strong magnet, coffee can, tray, tape Tape the magnet onto the top of the coffee can so it sticks out over the edge. Tie thread around the paper clip and tape the other end of the thread to the tray. Hold the paper clip up so that it does not touch to magnet, but it suspends it in air. You can try to pass different things between the paper clip and the magnet to try to break the hold.</p> 	<p>4. One little Planet One little two little three little planets Four little five little six little planets Seven little eight little nine little planets Orbiting the sun. Mercury Venus and the Earth. Mars Jupiter and Saturn Uranus Neptune and Pluto orbiting the sun.</p> <p>5. Traveling in Space... I wish I could ride in a spaceship; It's just what I'd like to do. I'd travel to Mars and then Neptune-- Would you like to come along too? (point to other person)</p> <p>6. Astronauts Round the Moon (The bear went over the mountain) Astronauts went</p>	Music Class with Teacher Jeffrey

4.	<p>Meteor Throws Materials: Aluminum foil, ribbon Wad the aluminum foil up into a ball, placing the ribbon inside the foil so it comes out like a meteor tail. Throw the aluminum foil with the tail following. Measure how far each meteor is thrown.</p>		<p>round the moon, Astronauts went round the moon, Astronauts went round the moon, And what do you think they saw? They saw____ They saw____ They saw____ And that is what they saw.</p>	<p>Movement and Exploration Parachute Play Materials: Parachute Make waves with it; put a ball in it and roll it to a friend; run in a circle with it and have some children run under it.</p>
5.	<p>Paper Roll Stars Materials: paper towel rolls, black construction paper, Cover the end of the paper towel roll with black construction paper, making sure to not let any light in. Carefully poke small holes in the end of the construction paper. You might want to cover the construction paper with tape to keep it from tearing. Look into the tube, to see the stars.</p>	<p>Viewers Materials: Paper towel rollers or rolled up paper. Explain to students that the section of the planet the rover is viewing is very small considering the size of the planet. Give each child a rolled up paper and let them look through the little section at something in the ground. What can they tell about that small section? You can also let them look at a “landscape” that was created before. You could also place a magnifying lens to the end of the tube to see the items in more detail.</p>	<ol style="list-style-type: none"> 1. Play dough: Color Red 2. Four Little stars: Four little stars winking at me. One shot off, and then there were three! Three little stars With nothing to do. One shot off, and then there were two! Two little stars Afraid of the sun. One shot off, and then there was one! One little star Alone is no fun. It shot off, and then there was none! 3. Climb aboard the Spaceship! sung to itsy bitsy spider Climb aboard the 	<p>Yoga with Teacher Jane</p>

6.	<p>Planet Mobile Materials: Hanger, eight circles representing the size of the planets, yarn Use the stencils to make the planets. You can use the relative sizes for the planets with Earth = 1: Mercury 1/3, Venus 1 (Slightly smaller than Earth), Mars 1/2, Jupiter 11, Saturn 9, Uranus 4, Neptune 4 (slightly smaller than Uranus), Pluto 1/4. Cut out the circles and decorate them as you would like. Once the circles are decorated, you can hang them from a hanger with a large yellow circle representing the sun.</p>	<p>EASY Crater Art: Materials: Play dough, cookie sheet, marbles or other round objects. To simulate the craters on the moon, cover a cookie sheet with play dough. Place it on the floor by a chair. Have the child kneel on the chair, resting against the back of the chair, and drop heavy objects into the dough, such as an orange, a stainless steel ball, and anything else you can find that is round. See the different kinds of craters they make.</p>	<p>spaceship, We're going to the moon. Hurry and get ready, We're going to blast off soon. Put on your helmets And buckle up real tight. Here comes the countdown, Let's count with all our might. 10-9-8-7-6-5-4-3-2-1---BLAST OFF!</p> <p>4. One little Planet One little two little three little planets Four little five little six little planets Seven little eight little nine little planets Orbiting the sun. Mercury Venus and the Earth. Mars Jupiter and Saturn Uranus Neptune and Pluto orbiting the sun.</p>	<p>Public Speaking (Share Day) Children share items, stories, jokes etc...</p>
7.	<p>Rocket Ships Materials: Paper towels, construction paper triangles. Show the students how to cut out triangles. They can glue the triangles onto the paper towel, making a rocket ship. Decorate the rocket with paints and stickers.</p>	<p>Balloon Rockets: Materials: String, straw, balloon, clothespin, tape Cut a long piece of string, thread the string through a straw, & inflate a balloon. Put a clothespin on the neck of the balloon, tape the balloon onto the straw. Release the clothespin and watch it go! Try taping one end to the floor and one to the ceiling, attach a paper cup with strings and see how much weight the balloon can lift.</p>	<p>5. Traveling in Space... I wish I could ride in a spaceship; It's just what I'd like to do. I'd travel to Mars and then Neptune-- Would you like to come along too? (point to other person)</p> <p>6. Astronauts Round the Moon (The bear went over the mountain) Astronauts went</p>	<p>Music Class with Teacher Jeffrey</p>

8.	<p>Space Helmets Materials: large sheets of tag board, plastic Cut the poster board in half. Cut out a circle in the middle for the helmet part. Lay the plastic over the circle. Show a picture of a space helmet. Children can decorate the helmet.</p>	<p>Straw Rocket: Cut a piece of paper so it fits around a straw. Wrap it around a straw and tape it in place, the paper should slide off the straw easily. Slide it off the straw and fold one end into a point to form a nose of a rocket. Hold the point in place with tape. Cut two triangle shaped fins for the bottom of the rocket. Put the paper rocket between the fins and glue them together. Blow the finished rocket off the straw.</p>	<p>round the moon, Astronauts went round the moon, Astronauts went round the moon, And what do you think they saw? They saw ____ They saw ____ They saw ____ And that is what they saw.</p>	<p>Movement and Exploration Balance Beam: Materials: Balance Beam Walk forward, backward, sideways, etc.; walk with object balanced on head; hop on one foot or imitate animals while walking on the beam.</p>
9.	<p>Lunar Landscapes Materials: flour, water, flat boxes or cardboard Mix the water and flour so that it is not too thick or watery. Give each child about a handful of the paste on the circle and tell them to use their fingers to make craters, hills and flat moon surfaces.</p>	<p>Story Writing Materials: Paper, pen Create a story with the children about space. Some examples: Kids in space: Students fly to each planet. The Mighty Martians: Students go to mars and have lunch with Martians. Create the costumes for the play and video tape the play to make a movie.</p>	<p>Play dough: Color Red</p>	<p>Public Speaking (Share Day) Children share items, stories, jokes etc...</p>
10.	<p>How far are the planets? Materials: Sidewalk chalk, measuring stick Draw a line on the sidewalk representing the sun. Using relative distance draw the planets in order. Use the chart below to help with the relative distance. Mercury 1.0, Venus 1.9, Earth 2.6, Mars 3.9, Jupiter 13.4, Saturn 24.6, Uranus 49.5, Neptune 77.5, Pluto 101.7. Students draw the planets on each line.</p>			<p>Music Class with Teacher Jeffrey</p>

11.	<p>Plates in Space Materials: paper plates, paper bowl, glue optional: crayons, markers, or tempera paint Tape two paper plates together to create a curved top and bottom (double up very thin plates). The child can use crayons, markers, or tempera paint to add insignias, gas caps, signs, etc. before proceeding. Once the saucer part of the ship is complete, you'll need to make the cabin for the crew! A paper bowl is perfect! Again, let the child use crayons or markers to draw windows, doors, etc. Affix the completed cabin to the center of the saucer with glue and let it dry. Toss the spacecraft as you would a Frisbee. Play catch, or several players can each fling their flying saucers and try to land them closest to the landing pad.</p>			<p>Movement and Exploration Balloon Hold Materials: balloon blown up Explain that gravity is what holds us to the Earth. Without gravity, everything would float around. Stand in a circle and toss the balloon in the air. Students try to keep the balloon afloat, defying gravity.</p>
12.	<p>Moon Surface Materials: Sturdy plates , beans, foil Glue on dried beans & other assorted things to provide texture for the moons surface. When it dries, cover it with foil and tuck the edges over. Press down gently to reveal the craters.</p>	<p>Night Sky Material: A large box, black spray paint, pins Spray paint the inside and outside of the box black. Poke several small pin holes into the box. The children can sit inside the box and look at the “stars” through the box. Name the “constellations” and tell a story about them.</p>	<p>Crater Makers Material: Small bowls, Straws, Liquid tempera paint (white, black, or brown), Construction paper (black or red) , Joy dishwashing detergent, Newspapers, Water, Craft sticks for stirring paint mixtures in bowls Mix approximately 2 tablespoons</p>	<p>Yoga with Teacher Jane</p>

13.	<p>Milky Way Painting Materials: Marbles, black paper, foil stars, white paint Marble paint with white paint on dark paper. Add foil stars.</p>		<p>of joy detergent, 2 tablespoons of tempera paint, and 1/2 cup of water into each bowl. Stir mixture in each bowl with craft stick. Cover table with newspaper or place newspaper underneath each bowl. Set-up a table with bowls to serve as stations for students to rotate.</p>	Public Speaking (Share Day) Children share items, stories, jokes etc...
14.	<p>Wind Socks Materials: Tissue paper, lids, sticks Tape the tissue paper to a lid. Cut a hole in the center of a lid and place it on the stick so that the tissue paper falls down. Take the wind socks out side. The tissue will blow in the direction of the wind.</p>	<p>Mars Lego Drop Materials: Lego's, balloons, tape Show how the mars rover landed on the planet using large air bags to protect it. Create a Lego rover. Blow up balloons and tape them around the rovers. Go on the roof and drop the rovers from the roof. What happens?</p>	<p>Give each student a straw and have them blow bubbles in the bowl. The bubbles should grow above the rim of the bowl. Have the student take the construction paper and lay it carefully on top of the mass of bubbles. The pressure of the paper will pop the bubbles and produce a circular crater-like surface. Allow the paper to set for a few moments before picking it up.</p>	Music Class with Teacher Jeffrey

February Materials List

Paper towel tubes (24)
Fugi Film Containers (need 8)
Alka Seltzer
Plastic Lids
Foil stars
A very large box (large enough for children to go inside) spray painted black or covered very heavily in black plastic
Sturdy Styrofoam or paper plates (8)
½ off coupons for JoAnn Etc or at least two of solar system kits found at JoAnn etc.
Flour
4 sheets of white poster board
Clothespins (8)
Ribbon
Coffee Cans
Cans