

Weekly Planning Form

Theme: Space

Changes to the Environment

<p style="text-align: center;">House Corner</p> <p><u>Planetarium in the Classroom</u> Cover a table with dark material. Attach glow in the dark stars on the table bottom. Let children sit and look at stars. Use flashlights to reactivate stars. 22,25</p> <p><u>Cardboard Rocket Ships</u> Make rocket ships with large cardboard boxes. Decorate outside with foil, US flag, cut out windows etc. Draw buttons, monitors etc. on the inside. 19,20,21,35,36</p>	<p style="text-align: center;">Art</p> <p><u>Space Capsule Craft</u> See attached directions.</p> <p><u>Creative Drawing</u> Have paper and various drawing utensils set out. Let students draw their own space ship and decide where it will take them. 19,20,21,35,43</p>	<p style="text-align: center;">Sand and Water</p> <p><u>Moon Rocks</u> Hide “moon” rocks in sand. Have magnifying glasses for closer study. 35,36,27,28</p> <p><u>Shuttle Ducks</u> Use CLC shuttle ducks to float in water. 36, 32, 25</p>
<p style="text-align: center;">Blocks</p> <p><u>3-D Constellations</u> Students can use toothpicks and marshmallows to create 3-D constellations. Name them. 19,20,43</p> <p><u>Astronaut Play Sets</u> Play sets available at the CLC gift shop. Or enter the Space Store website through our website gift store section at www.clepaducah.org. Click on space toys and then space toy sets. At the end of checkout page make sure to mark Paducah as your center choice. 35,36</p>	<p style="text-align: center;">Table Toys</p> <p><u>Astronaut Gloves</u> Use heavy duty gloves or attach rubber gloves to dryer vent hose. Students wear them and use tongs to complete certain tasks. 19,20,23,24</p> <p><u>Space Puzzles</u> Enter the Space Store website through our website gift store section at www.clepaducah.org. Click on space toys and then puzzles. At the end of the checkout page make sure to mark Paducah as your center choice. 19,20</p>	<p style="text-align: center;">Library</p> <p><u>Space Books</u> See attached book lists. 44,45,46,47,48</p>
<p style="text-align: center;">Cooking</p> <p><u>Tang in a Bag</u> See attached directions.</p> <p><u>Space Pudding</u> See attached directions.</p> <p><u>Edible Solar System</u> See attached directions.</p> <p><u>Dehydrated Space Food</u>-ice cream, strawberries</p>	<p style="text-align: center;">Music and Movement</p> <p><u>Space Songs for Children</u> Book and CD by Tonja Evetts Weimer. Available at Amazon.com. 38,40</p> <p><u>Walk Like an Astronaut</u> Simulate floating, walking on the moon. Put pillows on the floor covered with plastic tarp to simulate difficulty of walking on the moon. 35</p>	<p style="text-align: center;">Computers</p> <p><u>NASA Kid’s Club</u> http://www.nasa.gov/audience/forkids/kidsclub/flash/index.html Use level one games: What Comes Next?- Patterns 30 Grab It- Beginning Sounds 38 It’s Not the Same- Looking for differences 28</p>

Space Capsule Craft

Adapted from DLTk's Crafts for Kids

19,20,21,3

Materials:

Picture of each child's face

Paper or Styrofoam cup

Plastic grocery bag

String- 4 pieces

Tinfoil

Space and US flag stickers to decorate with

Scissors

Glue/tape

Permanent Marker

Instructions:

Cut out the face. The cup should be standing upside down. Wrap the cup in foil. Tape to hold. Glue the face to the cup. Decorate the cup with stickers. You can draw a little window around the face with permanent marker. Poke a hole at the top of the cup and thread 4 pieces of string through. Tie a knot inside the cup so the string will not fall out. Cut a square parachute out of the plastic bag and attach one string to each corner of the bag. Children can drop from tall playground equipment or hang them from the ceiling.

Tang in a Bag

19,20,22,25,26,35,36

Materials:

Plastic zipper sandwich baggies

Tang

Water

Straws

Paper Clips

Instructions:

Astronauts on board the Space Shuttle and ISS have to make their drinks by adding water to a powder mix that is in foil bag. Then they insert a straw that has a clamp on it to keep liquid from floating out. Picture at:

http://www.nasa.gov/audience/for_kids/home/CS_Play_with_Food_in_Space.html

Put small amount of Tang powder in sandwich baggie. Add small amount of water. Close bag tight and let students mix the water and Tang. Open just the corner of the baggie. Insert straw. Show how the paper clip can be used as a clamp. Let students enjoy drinking out of astronaut baggie. Capri Sun is also a very similar example of how an astronaut drink bag looks.

Space Pudding

Adapted from KinderArt™ Littles: Preschool Addition

19,20,22,25,26,35,36

Materials:

Boxes of instant pudding (1 box for 2 students)

Milk (according to instructions on pudding box)

Zippered sandwich bags

Measuring cups

Instructions:

Pour half box of pudding into each student's bag. Allow students to measure enough milk to make half a box of pudding and add to bag. Seal the bag tightly. Students squish the bag around with their hands, mixing the pudding with the milk. When all of the pudding is mixed, give them straws to see if they can suck the pudding out. If not, snip a little of one corner on the bottom of the bag.

Edible Solar System

19,20,22,25,26,35,36

Materials:

8 inch paper plates

Compass

Paper

Canned Frosting

Different sized candies to represent the planets- can substitute harder to find candies with sweet tarts and mini M&Ms:

Sun-Butterscotch

Mercury-orange jujube

Venus- Nestle Snowcaps

Earth-blue Skittle

Mars-red Skittle

Asteroid Belt- Colored large crystal sugar

Jupiter-peppermint

Saturn-lemon drop with Twizzler wrapped around it

Uranus- green jujube

Neptune-aqua Skittle

Pluto-Tart N Tiny

Instructions:

Use a compass to draw the orbital path of each planet. You can draw on each plate or make orbits on paper, copy, cut out and attach to paper plates. Attach each planet in order. Put sun candy right in the middle. If desired, put colored sugar between Mars and Jupiter orbital paths to represent the Asteroid Belt.

Theme: Planets	Monday
Group Time (songs, stories, games)	<p>Read: <u>There Is No Place Like Space</u> by Trish Rabe 44,45,47,41,42,43</p> <p>Use real planet pictures for discussion of each planet and other space objects after reading the book. Pictures can be found at: http://pds.jpl.nasa.gov/planets/ http://photojournal.jpl.nasa.gov/index.html Download and print in color.</p>
Special Activities	<p>Concentration Game- Lost in Space: 24,39</p> <p>Review pictures from above. Take one away and see if the student can guess which one is lost in space. Adapted from idea by Julie Bayne, Calloway County.</p> <p>Have a tray of fun space related objects. Review each with children. Cover tray with cloth, take away an object. See if students can guess which object is missing.</p>
Special Outdoor Activities	<p>Favorite Planet Graph: 33,34</p> <p>Put planets in a large row in order on blacktop or other flat surface. Have students stand in the column that represents their favorite planet- creating a human bar graph. Let some students share why they choose that certain planet. Have everyone count how many are in each column. Go back to classroom and make large bar graph on poster board, marker board etc. to record information from human graph.</p>

Theme: Astronauts	Tuesday
Group Time (songs, stories, games)	Read: <u>I Want to Be an Astronaut</u> by Byron Barton 44,45,47,41,42,43
Special Activities	<p>Junk Space Suits/Helmets: 19, 20,21,23,3</p> <p>Discuss important features of an astronaut suit. See attached information sheet. Before this activity you need to collect junk material such as wrapping paper tubes, juice containers, milk containers, 2 liter bottles, plastic tubing, egg cartons, deli trays, meat trays etc. You can also have saran wrap, foil, rubber gloves etc. Split the students in teams and then they dress one person up as an astronaut using junk items. Duct tape or masking tape should also be provided.</p> <p>Helmets can be made by getting KFC buckets donated. Cut out face window. Cover with foil. Ice cream buckets could also be used.</p>
Special Outdoor Activities	<p>Astronaut Exercise: 14,15,35,36</p> <p>Solar System Stretch- reach to the sky, then stretch arms wide</p> <p>Rocket Ship Run-in-Place-warm up and get ready to take off!</p> <p>Galactic Gallop- gallop around</p> <p>Lunar Leaps-jump as far as you can</p> <p>Trainee Toe Touches- touch your toes ten times</p> <p>Planet Push Ups</p> <p>Jupiter Jumping Jacks</p> <p>Venus Victory Lap- run one lap to celebrate your completion of astronaut exercise</p> <p>Constellation Cool Down- lie down on back and imagine looking up at the stars</p>

Theme: Stars	Wednesday
Group Time (songs, stories, games)	Recite Star Light, Star Bright 30,38 Have students share a wish they would wish upon a star. 35,39,41,43
Special Activities	Glitter Stars: 19,20,45,49 Have students share a wish and then record on construction paper. Pour a thin pool of glue into a Styrofoam tray. Students dip star shaped cookie cutters into the glue and then press them on their paper. Sprinkle glitter over the paper, tilt gently to cover all glued areas. Starscopes: 37,35,36,19,20, Cover top of toilet paper roll with black construction paper, use rubber band to hold down. Punch small holes to represent stars. Have students look into bottom of tube looking up at a light. They will see the stars as the light shines through the holes.
Special Outdoor Activities	Reach for the Stars: 35,36,37,14 While outside, explain to the students that even though it is light and we can't see them, the stars are still there. Have them run around pretending to catch as many stars as they can.

Theme: Things that Orbit	Thursday
Group Time (songs, stories, games)	Discuss the concept of orbiting. Discuss things that orbit: around the Earth, around the sun etc. Use paper plate models to lead discussion. 36,37,25,26
Special Activities	Trip to Challenger Learning Center for Astrotots Program (this can be done any day).
Special Outdoor Activities	<p>Meteor Catch: 18,19,20 Wrap large Styrofoam balls with foil. Attach long streamers of crepe paper for tails. Use them to play a game of Meteor Catch.</p> <p>Orbiting Objects: 10,23,26,35,37,40 Have some students be the sun and others be the planets. The sun stands still while the planets orbit the sun. Have partners work together, one is the Earth and one is the Moon. Have the Moon orbit around the sun.</p>

Theme: Rockets	Friday
Group Time (songs, stories, games)	Sing song: Climb Aboard the Spaceship
Special Activities	<p>Balloon Rockets: 19,20,21,22,25,26,35,36,37,40 Decorate brown lunch sack to look like a rocket. Blow up a balloon and insert into lunch sack. Let balloon go. Watch the rocket fly.</p>
Special Outdoor Activities	<p>Moon Rock Hunt: 19,20,21,28,33,36 Pretend you are taking off on a rocket ship to the moon. Go to area where “moon” rocks have been hidden. Have students search for moon rocks. Come back in and paint them.</p> <p>Fizzy Tablet Rockets: 25,26,41,42,43 This activity should be done as a demo. Use old film canisters (Fuji film works best). The lid must fit INTO the film canister. Put half a tablet of Alka Seltzer and a little bit of water in canister. Quickly put lid on canister and place lid down on the ground. The canister will pop up like a rocket from the pressure build up.</p> <p>There are many pump rockets that are available and easy to use.</p>