



## Space week- PK4

The learning objectives for this week are:

- Learn planet names/place in solar system
- Dramatic astronaut play
- Understand orbit and gravity concept

### Sensory & Fine Motor Skills

- Moon sand with astronaut Toob and glow in the dark planets/stars (<http://www.pre-kpages.com/space-theme-sensory-bin/>)
- Take a trip to the moon in a spaceship and dress like an astronaut
- Play with and label planet magnets ([https://www.amazon.com/dp/B004DJ51Q2/ref=asc\\_df\\_B004DJ51Q25297512/?tag=hyprod-20&creative=394997&creativeASIN=B004DJ51Q2&linkCode=df0&hvadid=167131185984&hvpos=lo5&hvnetw=g&hvrnd=7112694676278731764&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9011447&hvtargid=pla-309171874921](https://www.amazon.com/dp/B004DJ51Q2/ref=asc_df_B004DJ51Q25297512/?tag=hyprod-20&creative=394997&creativeASIN=B004DJ51Q2&linkCode=df0&hvadid=167131185984&hvpos=lo5&hvnetw=g&hvrnd=7112694676278731764&hvpone=&hvptwo=&hvqmt=&hvdev=c&hvdvcmdl=&hvlocint=&hvlocphy=9011447&hvtargid=pla-309171874921))
- Hang up glow in the dark planets in bedroom (<https://www.amazon.com/Great-Explorations-3-D-Planets-Tube/dp/B000S94NWE>)
- Play in rocket ship tent ([https://www.amazon.com/dp/BOIC4UIYTE/ref=sspa\\_dk\\_detail\\_1?psc=1](https://www.amazon.com/dp/BOIC4UIYTE/ref=sspa_dk_detail_1?psc=1))

### Math Element

- Solar system math worksheets (<http://www.123homeschool4me.com/2015/05/solar-system-preschool-kindergarten.html>)
- Blastoff countdown (<http://dbsenk.files.wordpress.com/2011/05/more-activities-1.jpg>)
- Space Number writing Tray- We used black sand on a light table to trace numbers matching 1-30 flashcards
- Counting Stars Playdoh Mat (<https://mrsplemonskindergarten.com/2018/02/preschool-space.html>)

### Literacy Element

- Alphabet or sight word moon rock collection (similar concept to falling star but with words written on rocks)- can write on glow in the dark moon rocks ([https://www.google.com/aclk?sa=l&ai=DChcSEwjUpp\\_56v\\_XAhWbtcAKHZs\\_BcOYABAFGgJpbQ&sig=AOD64\\_24o7EGVRIyY4rgUXH\\_WnbqXe6vWrg&ctype=5&q=&ved=OahUKEwj38ZT56v\\_XAhUq\\_4MKHayuAMcQ9aACCDw&adurl=](https://www.google.com/aclk?sa=l&ai=DChcSEwjUpp_56v_XAhWbtcAKHZs_BcOYABAFGgJpbQ&sig=AOD64_24o7EGVRIyY4rgUXH_WnbqXe6vWrg&ctype=5&q=&ved=OahUKEwj38ZT56v_XAhUq_4MKHayuAMcQ9aACCDw&adurl=))
- Three Part Space Cards matching space toob (<http://www.memorizingthemoments.com/2012/06/bbb-star-week.html?m=1>)
- Learn the planet names outer space flashcards (<http://homeschooling4free.com/?reqp=l&reqr=nzcdYzA2LJqlMKWzMI5jLab=>)
- Catch a falling star alphabet (wrote letters on cardboard stars and hung from ceiling at various heights using crepe paper...kids find a particular letter and pull down saying the sound it makes, then trace letter on rocket worksheet)
- Rocket Ship Letter Tracing Worksheet (<http://www.worksheetfun.com/category/letter/letter-tracing/>)
- Montessori matching cards moon and planets (<http://www.montessorisoul.com/learning-about-space/>)
- Rocket Ship Name- cut out blocks to write letters on and glue in order to become a name rocket

### Science Element

- Study the constellations using flashlights (<http://www.schoolingamonkey.com/flashlight-constellations/>)
- How planets orbit the sun (<https://www.giftofcuriosity.com/how-planets-orbit-the-sun-a-montessori-inspired-activity/>)
- Marshmallow crater activity (<http://jorneytojosie.blogspot.com/2012/01/spaced-out-wrap-up.html>)
- What makes night experiment (<http://playgroundparkbench.com/makes-night-simple-pre-k-science-activity/>)
- Making Moon Rocks (<http://www.learnplayimagine.com/2014/06/erupting-moon-rocks.html?m=1>)

### Arts & Crafts

- Outer space drawing projector- this is the closest thing to what I could find; I found my version at the Coca Cola Space Science Center (<https://www.walmart.com/ip/Drawing-Projector-4-Piece-Set/888118577?wmlspartner=wlp&selectedSellerId=2579&adid=222222227076599776&wl0=&wl1=g&wl2=c&wl3=233504471714&wl4=pla-383450570586&wl5=9011447&wl6=&wl7=&wl8=&wl9=pla&wl10=113148644&wl11=online&wl12=888118577&wl13=&veh=sem>)
- A Little Pinch of Perfect Playdough and coloring page activity (<http://alittlepinchofperfect.com/Solar-System-Preschool-Activity>)
- Make your own foam solar system (<https://diy.org/tswick/18356>)
- Planet lineup coloring, cutting, and pasting activity (<http://jouneytojosie.blogspot.com/2012/01/spaced-out-wrap-up.html>)
- Straw Rockets (<http://buggyandbuddy.com/straw-rockets-with-free-rocket-template/>)
- Sticker/Chalk Constellations (<http://www.southernmadesimple.com/outer-space-craft-ideas-galactic-starveyors-vbs-theme/>)
- Astronaut Stuff:
  - Space Shoes**-car wash sponges tied (we used elastic) to kids boots
  - Jet Pack**  
<http://www.doodlecraftblog.com/2012/04/super-sci-fi-rocket-fueled-jet-pack.html?m=1>
  - Control panel for spaceship**-tin foil a cardboard box and hot glue control “buttons”
  - Glove Box**  
<http://www.giftofcuriosity.com/diy-astronaut-glove-box/>
- Bubble Print Planets (<https://mrsplemonskindergarten.com/2018/02/preschool-space.html>)
- Shooting Star Spinner Toy (<http://teachbesideme.com/shooting-star-spinner-toy/>)
- Spirals in Space- I printed pictures of a snail and galaxy and talked about the mathematical similarities of spirals in our universe...kids then learn to draw a spiral and using glitter and glue make a milky way replica picture

## Music & Movement

- Space yoga: Giam yoga for kids “Outer Space Blastoff” dvd or watch online free with Amazon Prime (you will want to have an exercise ball or kids “hopper” ride on toy handy)
- Dance and watch solar system music video (<https://m.youtube.com/watch?v=mQrlgH97v94>.)
- Moon Gravity: hopping on a line of couch cushions on the floor
- Rhyming Moon Rock Toss (<https://mrsplemonskindergarten.com/2018/02/preschool-space.html>)

## Books to Read

- The Amazing Pop-up Pull-Out Space Shuttle, by David Hancock
- 3-D Explorer Solar System: a journey to the planets and beyond
- Magic School Bus Sees Stars
- Magic School Bus Takes a Moonwalk
- What's Out There? A Book About Space, by Lynn Wilson
- "8 Spinning Planets" Scholastic book
- "Mousetronaut" Mark Kelly
- "Mousetronaut Goes To Mars" Mark Kelly
- "On the Moon" Anna Milbourne
- "Where Does the Sun Go" Gary Craig
- "Papa Please Get the Moon for Me" Eric Carle
- "The Big Dipper" Franklyn Branley
- "Hedgie Blasts Off" Jan Brett
- "Bugs In Space" Carter David
- "Aliens Love Underpants" Claire Freedman
- "I Want To Be An Astronaut" Byron Barton
- "What Makes Day and Night" Franklin Branley
- "Man On The Moon" Anastasia Suen
- "Every Planet Has A Place" National Geographic Kids

### Shows & Movies

- Storybots-Solar System
- Sid the Science Kid-Let there be light
- Magic Schoolbus- Gets lost in space, sees stars, explores the solar system
- Cat in the Hat knows a lot about that-Great Space Chase
- Go Jet, Go!
- Space Racers on Amazon

### Places and Experiences

- Carnegie Science Center-or other planetarium/space museum
- Coca-Cola Space Science Center

### Snacks

- Freeze Dried Ice Cream
- Oreo-phases of the moon (<http://www.learnplayimagine.com/2012/07/mfw-kindergarten-mm-is-for-moon.html?m=1>)
- Build a rocket ship with cheese and crackers

### Miscellaneous

- Solar system planet folder (Planet Shadow Match) (<http://ateachingmommy.com/space/>)
- Space game (<http://kidsactivitiesblog.com/57880/free-printable-game>)
- Solar system worksheet pack: (<http://www.123homeschool4me.com/2015/05/solar-system-preschool-kindergarten.html>)
- Solar system I-Spy- (<http://www.andnextcomesl.com/2016/02/free-dinosaur-i-spy-printable-for-kids.html>)
- Space and the Solar System workbook from Target (the easy stuff, as much of it is for older kids)
- Study solar space “spin and learn” from the dollar store
- Think Fun Laser Maze Jr. Space Board Game
- Build Tanagram Space Objects ([https://thestemlaboratory.com/space-pattern-block-mats/#\\_a5y\\_p=515843!](https://thestemlaboratory.com/space-pattern-block-mats/#_a5y_p=515843!))
- Preschool Space Positional Words (<https://mrsplemonskindergarten.com/2018/02/preschool-space.html>)
- Tracing/Learning to draw Stars (<https://www.mpmschoolsupplies.com/ideas/7545/12-free-shapes-tracing-worksheets/>)