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Space themed classrooms

What kid doesn't dream about being an astronaut one day and visiting the stars? All future astronauts and rocket scientists will love these fun and free space activities for kids. There are so many space activities for kids that can be done using materials you likely already have laying around the house! Our list includes crafts, science experiments, sensory experiences, and even edible science lessons. Regardless of your little astronaut's age or interests, there is sure to be something for everyone on our big list of outer space-themed activities! 1. Construct a spinning solar system This fun pinwheel galaxy is perfect for teaching the orbit of the sun. All you need is a paper plate, colored construction paper, pebbles, and black and silver craft paint. Learn more: Books and Giggles 2. Create a space-themed board game This planets board game is a fun way to learn and practice facts about the planets in our solar system. Kids roll a die and work their way around the path to the finish line. This activity comes with free downloadable planet cards. Learn more: Inspiration Laboratories 3. Make a balloon-powered space rover This clever craft simulates the tiny rover (just a couple of inches high) that NASA built to explore the surface of an asteroid and take pictures. Learn more: Space Place 4. Make yarn-wrapped planets This simple activity will help young students understand the relative size of the planets as well as help them build fine motor skills as they wrap cardboard discs with different colors of yarn. Learn more: And Next Comes L 5. Craft a DIY sundial Help your students build their scientific observation skills. Space activities for kids can be made from simple objects like paper plates, crayons, and a straw like the sun dial shown. This simple sundial will teach them to tell time by tracking the sun's movement across the sky. Learn more: Green Kid Crafts 6. Make a model solar system This is one of those classic space activities for kids that everyone should try at least once. There are hundreds of ways to make one; find options at the link. Learn more: Gift of Curiosity 7. Snack on the moon phases What goes better with Oreos than a glass of milk? How about a little bit of moon science! We love lessons you can eat when you're finished, don't you? Learn more: Science Bob 8. Use geoboards to map constellations Geoboards are such a cool classroom tool, and you can use them for so many things—like making constellations. Get free printable patterns below. Learn more: School Time Snippets (contextly auto sidebar) 9. Create an astronaut training center Space activities like this one for kids encourage them to use their imaginations while they learn. Get lots of cool ideas for stocking your astronaut training center at the link. Learn more: Early Learning Ideas 10. Propel a rocket into space Color the free printable rocket templates, then mount them to straw launchers and send them soaring! Learn more: Buggy and Buddy 11. Play a solar system flash-card game Use these free printable planet flash cards and repurpose an old Hedbanz set. No game set? Just tape them to kids' foreheads instead! Learn more: Simple Everyday Mom 12. Take a tour of the ISS This video of Astronaut Suni Williams giving a tour of the International Space Station has been viewed millions of times, so why no watch it with your budding space explorers? We especially love that it will encourage young girls to develop their own love of STEM! 13. Assemble marshmallow constellations Here's some more yummy science to try! Use toothpicks to connect the marshmallow "stars" to form constellations. Learn more: Play Teach Repeat 14. Play with galaxy play dough This gorgeous DIY galaxy play dough is so much fun to play with while you read a book or watch a documentary about space. Learn how it's made at the link. Learn more: Days of a Domestic Dad 15. Launch a bottle rocket This is another one of those classic space activities for kids you simply have to try. Visit the link for the full how-to. Learn more: Wikihow 16. Model planets from clay There's no better way to get to know the individual planets than to model them from clay. Try using foam balls in the center so you don't need quite so much clay for each one. Learn more: 3 Dinosaurs 17. Build a LEGO moon rover Aspiring engineers will love this STEM challenge! Set a series of parameters their creations must meet, then put them to the test. Learn more: Adventures in Mommydom 18. Light up the constellations First, make your own LED light magnets, then use them to map out all your favorite constellations. Learn more: Buggy and Buddy 19. Design a space lander The challenge? Design a space lander that allows two passengers to land safely on a planet's surface, using only some very basic materials. This one will really get them thinking. Learn more: Vivify STEM 20. Join the NASA Kids' Club What better place to find space activities for kids than NASA? Their Kids' Club is full of games, videos, activities, and much more, and it's all free. Learn more: NASA Kids' Club 21. Put the planets in order Round up all the balls in your house (and a handful of pom-poms for asteroids). Lay them out in order with their relative sizes as a guide. Learn more: Inspiration Laboratories 22. Craft a moon-phases toy This cool little DIY toy demonstrates the phases of the moon. It's a snap to make with a couple of clear plastic cups and some construction paper. Learn more: Happy Tot Shelf 23. Shine a constellation flashlight Turn a flashlight into a star projector by poking holes into black construction paper. Take it into a dark room and let it shine! Learn more: Handmade Charlotte 24. Upcycle cardboard tubes into space shuttles During its heyday, the space shuttle was the most sophisticated spaceship around. Help kids learn about it by building little models from cardboard tubes. Learn more: A Little Pinch of Perfect 25. Eat a fruity solar system Snack on the solar system as you learn! This activity combines a healthy snack with space fun. Learn more: Me and B Make Tea 26. Assemble a constellation luminary How pretty is this little constellation luminary? Get the free printable and learn how to put it together at the link. Learn more: Red Ted Art 27. Melt crayons into planet suncatchers Round up some old crayons and use their shavings to make pretty planet suncatchers to bright up your windows. Learn more: i.d.e.a. Museum 28. Learn how planets orbit the sun This quick demo is a good way to introduce the concept of orbits to little learners, using a pie plate, some play dough, and a ball or marble. Learn more: Gift of Curiosity 29. Build an origami rocket ship Kids love origami and space, so try combining the two and building this awesome rocket. We love how affordable this activity is since all you really need is some square paper. And you can make your rocket fly into space with just a simple straw! 30. Read some space-themed books If you want to really learn about a subject like space, reading is probably the best way to do it! There are so, so many great space-themed books on the market for any and all reading levels. Learn more: 32 Great Space Books 31. Create an upcycled space rocket We love the idea of keeping a making box in your classroom or home so that kids can let their imaginations run wild. While learning about space, have kids create a model rocket ship from materials like paper cups, bubble wrap, bag ties, and colored elastic bands. Learn more: Nurture Store 32. Lace up some constellations Print your free lacing cards here before doing a lesson on constellations. Work on dexterity and hand-eye coordination while learning about the Big Dipper, Orion, Ursa Major, and all the other major constellations! Learn more: Sorting Sprinkles 33. Do some stargazing with a homemade telescope Every stargazer needs a telescope, so why not have the littles in your life get to work creating their very own! Save up those paper towel rolls during the weeks leading up to this project. The only other materials you will need are tape, elastics, card stock, and some cool space stickers. Learn more: Teaching Without Chairs 35. Dig into an outer space sensory bin Space activities like this sensory bin allow kids to learn and explore through tactile experiences. You can use cake mix as the base for your bin and then fill it with space-themed toys. We especially love that kids will familiarize themselves with space vocabulary while playing. Learn more: Stir the Wonder 36. Make your very own moon craters Learn about craters that were formed when rocks from outer space smashed into the surface of the moon. You can do this using some basic baking materials like flour, sprinkles, cocoa, and some pans. Learn more: JPL/NASA 37. Create a galaxy in a jar Learn about galaxies and nebulas while creating a calming sensory jar. You'll need a clear jar with a lid, at least two colors of tempera paint, cotton balls, fine glitter, and some water. Learn more: Mom Dot 38. Learn about orbits with simple materials Kids can learn about the trajectory of an object through space while gaining a better understanding of both gravity and velocity. The best part is that all you will need is a large kitchen bowl, a tennis ball, and a marble. Learn more: STEM Activities for Kids Can't get enough space? Check out these 36 Out of This World Space-Themed Classroom Ideas. Plus, check out 32 Great Space Books. Transform your classroom into a cosmic adventure with these captivating space-themed ideas. A well-designed space-themed classroom not only stimulates curiosity and excitement about the cosmos. A space theme not only sparks curiosity about our universe but also creates an immersive backdrop for cross-curricular learning in science, math, literature, and art. This roundup features a variety of cosmic concepts, from decorating tips that turn your classroom into an interstellar journey to educational activities that teach through the theme of space exploration. Transform your classroom into an out-of-this-world experience with Space X 22, a space-themed educational environment. This setup includes a spaceship model within the classroom, complete with interactive controls and an operational door. Learn more: Pinterest/Dixie Riley Create a captivating learning environment with the Cosmic Corner, designed to resemble the inside of a space station. This immersive setup includes a designated classroom area decorated with space-themed elements, such as control panels, celestial maps, and LED stars. Learn more: Instagram/ValleJimmar This immersive setup creates a mesmerizing galaxy environment, sparking students' imaginations and interest in astronomy. To create this, use black fabric or paper for the backdrop, add star stickers or LED lights, and craft 3D models of asteroids and planets to hang. Learn more: Pinterest/Utah Tech University Events Create an inspiring Space Unit in your classroom featuring a black backdrop decorated with planets and a NASA rocket model. This setup offers a visually stimulating environment that brings the wonders of space exploration to life. Learn more: Pinterest/Ashley Vidall Launch your classroom into a Mission To The Stars with an engaging setup featuring a rocket and a space rover. This captivating environment fosters excitement about space exploration and scientific discovery. Learn more: Pinterest/Dana Morgan-Wilson Create an Interstellar Launch Corner in your classroom, featuring a NASA rocket model beside a stunning backdrop of the universe. Learn more: Pintrest/TTS Resources Transform your classroom into an Astronaut's Exploration Corner, featuring a life-sized astronaut figure and giant planets hanging from the ceiling. This engaging setup creates an immersive learning environment that excites students about space exploration. Learn more: Pinterest/Ada Zabala Create an immersive Captain's Quarters in your classroom, designed to look like a spaceship's control area. This corner features keyboards and printed panels mimicking spaceship controls. To set it up, decorate a designated area with printed control panels, buttons, and monitors, and include real or toy keyboards for an authentic feel. Learn more: Pinterest/AJ Hynes Transform your classroom with a "Ready for Takeoff" corner, featuring a breathtaking Milky Way background, a giant spaceship model, and a moon display. Learn more: Pinterest/Aliyeva S.Msy Create an out-of-this-world learning experience with the "Galaxy Express," featuring a NASA spaceship model, silver walls, and an entrance door. Learn more: Pinterest/Steve Jones This setup encourages students to dream big and explore the wonders of space. To create it, use a backdrop with stars, position a child-friendly NASA rocket model in front, and hang astronaut uniforms nearby for interactive play. Learn more: Pinterest/Lexa Janel Create an enchanting "Stargazing Station" in your classroom, featuring tents, camping chairs, and a bonfire setup against a "under the stars" black backdrop. This immersive environment brings the magic of a night under the stars indoors. Learn more: Pinterest/Transform your classroom into an Astronomical Adventures zone with a vibrant backdrop featuring planets, stars, rockets, and twinkling lights. Learn more: Pinterest/Hana Vejrašková Create an engaging "A View From The Station" area in your classroom, designed as a space station front with two chairs where students can role-play as astronauts. Learn more: Pinterest/Pam Billings Transform your classroom into a Planet Patrol Station with a captivating setup featuring a giant silver crescent moon and hanging planets above. This immersive environment sparks students' curiosity about the solar system and space exploration. Learn more: Pinterest/Irina Milea Create an exciting "NASA Rocket Launch" experience in your classroom using a giant cardboard rocket model. Hang planets and stars from the ceiling around the tent to simulate a night under the cosmos. Learn more: Pinterest/Laura Williams Transform your classroom into a "Starlit Campout," featuring a cozy tent, telescope, moon and stars, and a fake bonfire. Teachers are encouraged to implement this imaginative idea to captivate students' interest, make learning about space fun and interactive, and provide a memorable hands-on educational experience. Learn more: Pinterest/Kay Waggener With "Interstellar Interiors," your classroom may be transformed into a "Wiz Space Museum" with a large "SPACE" sign that would make a great backdrop or a photo booth area inside the classroom. Learn more: Pinterest/Reenu O'brah Create an "Explorers Station" in your classroom featuring a mini tent, a black backdrop, and glowing stars. . To create it, set up a small tent and blankets, use a large black fabric or paper as the backdrop, and decorate it with glow-in-the-dark stars or LED lights. Learn more: Pinterest/Cover the three walls in deep black to simulate the expanse of space, accented with twinkling fairy lights and realistic embossed DIY planets suspended from the ceiling. Learn more: Pinterest/Arta Gashi Create an engaging Galactic Hub in your classroom by transforming a simple corner into a futuristic space command center. Learn more: Pinterest/One captivating idea is by decorating your classroom door with a NASA rocket embossed design against a stunning backdrop of Earth. Position the rocket as if it's launching from the bottom of the door, with Earth prominently featured in the background. Learn more: Pinterest/Geri Loos Another standout idea is the "Launch Pad Entry," where you can turn your doorway into a giant spaceship, welcoming students to a realm of cosmic exploration. Learn more: Pinterest/Justine Powell Paint the spaceship with metallic shades of silver and gray, adding vibrant accents of red, blue, or yellow for a dynamic look. To complete the cosmic theme, adorn the surrounding area with stars, planets, and a backdrop of space. Learn more: Pinterest/Justine Powell A fantastic way to embody this theme is by decorating your classroom door with a painting of the planets arranged according to their distance from the sun. Start by covering your door with a dark blue or black background to represent the vastness of space. Learn more: Pinterest/Monica This idea, "The Great Return," involves creating a rocket-themed door decoration to welcome students back to school. It acts as a stimulating and inviting idea that sparks the curiosity and fires up the desire for learning. Learn more: Pinterest/Tina Davis This introduces a simple rocket-themed door using only white, red, and blue colors. It's crafted with basic materials like cardboard or paint, making it an accessible and fun DIY project for classrooms or even at home. Learn more: Pinterest/Mary Conner This idea featuring a sky-blue backdrop adorned with stars and a rocket charting its course with the route presents "The Sky Is The Limit" can inspire young minds about the wonders of space and the endless possibilities of exploration. Learn more: Pinterest/Nicole Keen In this idea, envision a vibrant display featuring a UFO in shades of yellow, white, blue, and green, accompanied by an astronaut. By exploring themes of space exploration and discovery, this engaging visual can stimulate discussions and foster a deeper appreciation for science and the mysteries of the universe. Learn more: Pinterest/Yasmin Osama Inspire young minds with this classroom door. Display the text "Blasting Off Into Learning" alongside stars, planets, and rocket stickers, setting the tone for an out-of-this-world educational adventure. Learn more: Pinterest/Ashley Rossi Create a striking space-themed entrance with an overlapping design. Feature a blue and red rocket labeled "USA," surrounded by stars and planets. Learn more: Pinterest/Corey Longworth Create this captivating classroom door with the message "We Are Over the Moon for Preschool." Decorate with a silver aluminum moon on the side and stars featuring each student's name, fostering a sense of belonging and excitement for learning. Learn more: Pinterest/Lisa Marie Decorate your classroom door with R2D2 and Yoda, featuring the quote "This is the Way to Learning." This Star Wars-themed design will engage students and make the journey to knowledge fun and adventurous. Learn more: Pinterest/Kasey Francis Another way is to create a space-themed bulletin board is with an embossed rocket, a balloon-like fire at the end, and a Milky Way background. Learn more: Pinterest/Enor Feature the quote "Shoot for the Moon, Even If You Miss, You'll Be Among the Stars" with a simple rocket, moon, and stars in the background. This inspiring display encourages students to aim high and embrace the wonders of learning. Learn more: Pinterest/Kristen Maxwell Display the quote "Reading Is Out Of This World" encircling the Earth, with stars scattered in the background. This cosmic-themed design will inspire students to embark on exciting literary adventures. Learn more: Pinterest/McMillan Memorial Library Create this bulletin board with pictures of planets labeled with their names and stars scattered around. This engaging display will spark students' curiosity and interest in exploring the solar system. Learn more: Pinterest/SparkleBox Feature the quote "Reading Takes Us Out Of This World" surrounded by planets and stars. This simple yet captivating design will inspire students to explore new worlds through books. Learn more: Pinterest/Caroline Mandaro Transform your classroom into a cosmic wonderland with our top space-themed ideas. Start with a "Universe of Stories" bulletin board featuring a clean lineup of planets, inspiring students to reach for the stars. Learn more: Pinterest/Michelle Pursell Feature the quote "Shoot for the Moon, Even If You Miss, You'll Land Among the Stars" with rockets soaring across the display. This inspirational design will motivate students to aim high and dream big. Learn more: Pinterest/Myra Taylor This thematic approach not only promotes a love for reading but also inspires students to embark on literary adventures that transcend space and time. By celebrating the power of books in a visually engaging way, this bulletin board becomes a beacon of inspiration and exploration in the classroom. Learn more: Pinterest/Adonica Watson Turning the classroom into an exciting space-themed environment fosters kids' curiosity about space exploration in addition to their imagination. A brilliant approach to accomplish this would be to make this bulletin board. Learn more: Pinterest/We Are Teachers Starting a "Space Rover Mission" in the classroom can be a fun and instructive exercise, particularly if you include astronauts and a homemade rover. To start, build a rover that resembles the rough surface of other planets by using cardboard boxes, paper plate or bottle cap wheels, and strong supports. Learn more: Pinterest/Isabella Pagano Transforming a classroom into a celestial wonder with a "Stars and Planets" theme involves creating a captivating representation of the galaxy on the ceiling. Learn more: Pinterest/Momooze A great idea to get children involved in a space-themed activity that is both creative and hands-on utilizing common materials is to create a "Galactic Hover Zone" in your classroom by suspending a homemade UFO from the ceiling. Learn more: Pinterest/Tiffany Shields Creating a "Launch Control Panel" as a DIY project can transform a classroom into an immersive space-themed learning environment. qStart by repurposing a sturdy cardboard box, cover it with silver wrapper and adding buttons and switches to mimic a real control panel. Learn more: Pinterest/Karen Plemons This display not only serves as a visual centerpiece but also symbolizes the journey of exploration and discovery that students embark upon in their educational voyage. By surrounding the rocket with celestial decorations and educational posters about space exploration, planets, and galaxies, the classroom can be transformed into an immersive learning environment. Learn more: Pinterest/Isabella Pagano One enchanting idea to enhance this theme is creating planet lanterns. These lanterns can serve as both educational tools and decorative elements, adding a celestial glow to the room. Learn more: Pinterest/Songül Onal Create an educational and visually stunning "Journey Through The Planets" wall decor in your classroom, featuring embossed planets arranged according to their distance from the sun. Learn more: Pinterest/Mariana Chacon Paredes Create a mesmerizing "Starry Night" backdrop in your classroom to evoke the wonders of the night sky and spark students' interest in astronomy. Learn more: Pinterest/Amazon Fashion Create a fascinating space-themed ambience in your classroom by adding "Alien UFO Flying Saucer" wall art. The creative appeal of this decorated item will attract kids' curiosity about alien exploration. Learn more: Pinterest/Etsy With an alien figure collection, a UFO-themed setup, and ceiling décor akin to a curtain, you may turn your classroom into an exhilarating "Space Invaders" zone. Learn more: Pinterest/Any Cris Create an engaging "NASA VIP Guest Pass" activity for your classroom, where students can craft their own personalized NASA-themed guest passes. This fun and educational project fosters excitement about space exploration and allows students to role-play as VIP guests at NASA. Learn more: Pinterest/Joanne Sunners Similar Posts: Discover Your Learning Style - Comprehensive Guide on Different Learning Styles 52 Creative Winter Classroom Ideas for a Cozy Learning Space 55 Magical Disney-Themed Classroom Ideas Get the space-themed decorations you need to transform your classroom into a galaxy of inspiration in one easy-to-download bundle. Are you ready to bring the wonders of outer space into your classroom decor in 2024? Launch into an adventure beyond the stars and galaxies with over 20 outer-space-themed classroom decorations. From captivating space-themed posters and cut-out decorations to digital teaching presentations, student awards, welcome signs and more, this stellar setup will foster your students' sense of wonder and curiosity. This popular theme will transform your space into a galaxy of wonder and provide an immersive learning experience, igniting your students' passion for the universe. How to Plan Your Stellar Space-Themed Classroom The Teach Starter team have carefully crafted this bundle to infuse your classroom with the wonders of the universe, but we didn't stop there. Here are some stellar ideas from our team to enhance your space theme and make your classroom decor truly out of this world! Create a "Mission Control" classroom door. — Turn your classroom door into a mission control center. Add buttons, switches, and a our space-themed welcome sign to set the tone for an exciting learning adventure as students enter. Set up a galaxy-inspired calm-down corner. — A calm-down area in the classroom is a great idea to promote emotional well-being and self-regulation among students. Enhance your calm-down corner with DIY galaxy-inspired sensory bottles filled with glitter and stars for a calming cosmic effect. Display a "Reach for the Stars" Achievement Board. — Encourage and inspire students by showcasing their achievements throughout the year on a bulletin board in a galaxy of shining stars. Assign galactic group names. — Add an astronomical touch to collaboration and teamwork with galactic group names like Neptune Navigators, Jupiter Jetsetters or Saturn Stargazers. More Inspiring Space Theme Ideas for Your Classroom The sky is the limit when incorporating your space theme into your classroom displays this school year. Infuse the spirit of wonder, curiosity, and exploration into everyday learning with a few of our favourite inspirational space-themed display ideas using the new cut-out decorations, letter bunting and other printable decor! We are all shining stars in this cosmic class! Our classroom is a galaxy of bright minds. Learning is an adventure that takes us to infinity and beyond! Be a star in your learning constellation. Kindness is the universal language. Our class orbits around kindness, respect, and curiosity! Discover new horizons. Together, we create a constellation of friendship. Blast off into learning! Every day is a rocket adventure! We are over the moon excited about learning in our classroom! You're all shining stars in your unique way. Explore the universe of learning with curiosity as our compass! Our classroom is a launchpad for dreams where you can all reach for the stars! Explore Space More Deeply in Your Classroom Expand your exploration of space more deeply throughout the school year with some of our favorite activities and templates to add to your teacher toolkit: [resource:4648049] [resource:4986070] [resource:4835130] We create premium quality, downloadable teaching resources for primary/elementary school teachers that make classrooms buzz!