

## Chapter 1 : Kindergarten Lesson Blast Off! Counting Backwards Within 10

*Blast off on a counting adventure in outer space! You'll see a planet with more than sixteen moons, count stars up to a trillion, and discover how our sun was made. This counting book is for those who dare to count where no one has gone before.*

Includes printables Getting all the children to join in making the board game and drawing their own rocket counters encourages them to feel the game belongs to them – much more fun and less like a lesson! Start by making your games board. We used four pieces of card fastened together with sticky tape but a roll of paper would work just as well. We drew Earth at the bottom of the board, another planet up at the top, and then made a zooming space pathway that connected the two. All the odd numbers are purple and all the even numbers are green. Numbers in the five times table have star stamps on them. This gives us some visual prompts to spot number patterns as we play. We drew on a number of smaller planets and moons to zoom past, which are also where we place our Rocket Booster questions see below. Each player needs a rocket counter. You can make simple flat ones, or make two same-sized rockets, slit them top and bottom and cross them together to make a 3-D stand-up rocket. The aim of the game is to blast off from Earth and fly all the way along the space pathway to reach the other planet. All the rockets start on planet Earth. In turn, everyone rolls a die or spins a spinner, or picks up a number card. These number cards let you move along the space pathway to reach the outer planet. Very young children can simply count along the number of spaces they get on their throw of the die. Or you can work on addition – counting on in your head or on your fingers by the number you roll, and so adding it on to the number you started from. Then, moving your rocket along the space pathway lets you double check you got your sum right. You can add in some Rocket Booster cards to the game too. Make a set of cards with instructions or questions on. If you land on a multiple of five you have to pick a Rocket Booster card from one the piles which sit on the planets and moons and follow the instruction or answer the question. If you get it right you can boost yourself two extra spaces along the pathway. Ideas for Rocket Booster cards: If you share 20 spacerock cakes between four aliens, how many does each alien get? As part of a space theme the children can make their own space fact questions to add to the game. How many moons does Mars have? What is the biggest planet in our solar system? Who was the first man on the moon?

## Chapter 2 : Blast Off!: A Space Counting Book by Norma Cole

*"Blast Off!: A Space Counting Book" by Norma Cole is a nonfiction picture book. It is such a great educational book, as well. It counts to 20, then counts backwards from 20. As the children count, they learn the life of an astronaut, visit each planet, and learn so many interesting facts about space.*

Bend and stretch, reach for the stars  
There goes Jupiter, there goes Mars  
Bend and stretch, reach for the sky  
Stand on tippy-toe, oh so high!

Encourage the children to build their own spaceships and rockets in the block area. Hang pictures of rockets and space shuttles around the area to give them ideas. Take pictures of their creations and display them on a bulletin board. Give each child a small blank book with five or ten pages. Write a number from 1 to 5 or 1 to 10 on each page. Give each child a sheet of metallic star stickers and have him stick the appropriate number of stars on each page of the book. Write the numbers from ten down to one on large cards. Hold them up one at a time as you practice counting backwards. Let the children pretend they are rockets headed into space, crouching down until you get to one and then saying "Blast off!" Give the children small, medium, and large stars and have them sort the stars by size. They can then glue them onto a large piece of black paper that is divided into three sections. Place small pictures of different space themed items in your literacy center along with letter tiles or magnetic letters. Have the children match the picture with the letter that it starts with. Ideas for pictures include moon, star, sun, planet, rocket, comet, and astronaut. Choose a space themed word like moon or sun, and brainstorm a list of words that start the same way. Strengthen phonological awareness with a rhyming game. Sit in a circle with a group of students. Say a word like star and toss a small, soft ball to one child. You can even pretend it is the moon if you want. The child who gets ball then says a word that rhymes with star like car or far and tosses the ball back to you. Toss the ball to another child, who has to say another word that rhymes with star and toss the ball back to you. Nonsense words are allowed. Keep playing until no one can think of one and then start again with a new word like sun or moon. This is a great activity for a small group. These fun space activities are sure to make your outer space theme for preschool students a success. You might even inspire a few future astronauts.

## Chapter 3 : Download Blast Off!: A Space Counting Book Read Online - Video Dailymotion

*Get this from a library! Blast-off!: a space counting book. [Norma Cole; Marshall H Peck] -- Blast off into outer space and have a counting adventure.*

Look for and make use of structure. Opening 10 minutes For this portion of the lesson, you need the book Blast Off. I print the book on a colored printer and laminate the pages. I bind it with a binding comb, but book rings or stapling would also work. I gather the students around my big chair and I say to them, I have a new story for you today. It is called Blast Off. Do you know what this is a picture of on the cover of the book? It is a rocket. What do you think this book might be about? The students talk for a bit and then I listen to what they come up with. I then summarize their predictions. So, you are predicting that this story is about a rat that blasts into space. My name is Rocket Rat. I am in charge of launching rockets. I have a whole team of workers. Then I came up with a great idea! What if we counted backwards from a number? After the number 1 is said, the rocket could launch. We will count backwards from 5. The students count along with me. Again, the students are invited to count with me. You are really good at this! I ask the students, Why does he want us to stop counting? Why do you have to be so good at this??? So, how did you do at predicting what this story would be about? You did a great job counting backwards with me. If you have a different type of interactive whiteboard, you can still use this lesson by opening the file in Smart Notebook Express. There is also a PDF file you can use to recreate this part of the lesson. I gather my students in front of the SmartBoard. These cards are used for selecting who will come up to the Smartboard. I open the first slide Smartboard Slide 1 with the lesson objective written in "student friendly" terms. There is a content objective and a language objective to help focus on vocabulary expansion for my English Learners ELs to be congruent with SIOP instructional techniques. I read these objectives aloud for my students. Content Objective I can count backwards from a given number Language Objective I can tell a friend how to count backwards from a given number Remember me, Rocket Rat? I decided that counting backwards was a great way to launch rockets. We can always use a number line to help us count backwards. We find the number on the number line and then move to the left! I write the numbers on the lines as the students say the numbers for me. Now I want you to try it. Find the number and move to the left. I invite a student to come up to the board and fill in the numbers. When they are done, I have the class check their work as I point to the numbers on the number line. Turn and Talk allows my students to expand and practice their vocabulary. Every student in my class has a Turn and Talk partner. I always have the students hold hands with their partner and hold their hands in the air so I know that everyone has a partner. Once the students are with their partners, I ask them this question: My friend counted backwards from 8. How did he do? The students quickly turn toward their partners and begin discussing. When the students are done, I invite a student to share with the class. The student explains that there is a mistake. The person skipped the number four. I remind the class, It is important to say every number when I am counting backwards. We then go back to our seats and get ready for guided practice. I have 21 students so I run two sets of the numbers so everyone has one. I laminate the cards so they can be reused and I punch two holes in the cards and attach a string so the students can wear the cards. I distribute the cards so one half of the room has one set of the numbers and the other side has the other set of numbers. I say to the students, We are going to be counting backwards together. I will call a number out. The students who have that number will go to the front of the room. Then, we are going to practice counting backwards, so if your number is one of the numbers we would say when counting backwards from that number you will go to the front of the room and get into backwards number order. I ask the number 7 to go to the front of the room. I then invite all the students who would be a number said when counting backwards to go to the front of the room. We then count backwards together from 7 to check our work. We continue doing this several times until all the students have had at least one chance to go in front of the class. Each time we check our work by counting backwards. When we are done, I collect the numbers and we then move into independent practice. I duplicate the sheet front to back to save paper. I distribute the activity sheet to my students and ask them to put their name at the top of their paper. I then explain to the students, You will be practicing counting backwards just like we did with our

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number cards. I want you to look at the number on the rocket. You will count backwards from that number, writing one number on each line. The students begin working on the activity sheet. I observe their work to see if they need any assistance. When they have completed the work, I have them pick a few of the problems and have them count backwards for me for additional practice before putting the sheet in their mailbox.

### Chapter 4 : Blast Off!: Poems About Space by Lee Bennett Hopkins | Scholastic

*A Space Counting Book. To request that the TeachingBooks staff gather materials about this book or Norma Cole or Marshall, III Peck, please submit the title and author on our contact form, using the "Titles we should include" radio button.*

### Chapter 5 : Books for Children About the Sky - Creative World School

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### Chapter 6 : Kindergarten Math - Google Docs

*Blast Off!: A Space Counting Book by Norma Cole A copy that has been read, but remains in clean condition. All pages are intact, and the cover is intact. The spine may show signs of wear.*

### Chapter 7 : Blast off! space game

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### Chapter 8 : Fun Ideas for an Outer Space Theme Preschool Children Will Love

*A Space Counting Book is Assigned No educators have yet completed this "grades used" section of the Literary Text Complexity Qualitative Measures Rubric for Blast-Off!: A Space Counting Book, where they share what grades this text is assigned.*

### Chapter 9 : Countdown with Milo and Mouse by Mike Austin

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