

Mathematical Development		Week: 31	Topic: Number "0"	Day: 1	Class: Play group	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify number '0' Relate quantity with the number	Recap: Students will be asked to reinforced numbers from 0 to 10 while reading them through flashcards. We Are Learning to: Identify and count the number '0' through different objects. What I am looking for: How well you identify and count the number '0' through different objects. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: Begin by asking the students to clap their hands two times. Then ask them to clap five times. Finally, ask them to clap zero times. (Some students may still clap.) Explain to the students that zero means nothing, and if they are asked to do something zero times, that means that they do not do it. Repeat the activity but add variety, for example: ask all of the students to jump a specific number of times, take a certain amount of steps, tap their knee, or put up a specific number of fingers. Show the flashcard and tell them today we will learn number "0". Introduce Number "0" with flashcard. Say 'zero' and ask students to repeat it after you. On the board, write 0 again large enough for all students to see how it is written. Tell students 0 means nothing. Ask them show me your "0" finger. Paste flashcard on the board and say number "0". Ask students to repeat after you. Show the number "0" song to the students. https://youtu.be/iTyK4MbGdGw Focused task: Make a few cards with "0" written on them. Take a set of 8-10 bowls and arrange them in a line. In a few of the bowls place a piece of candies, or any other objects. The students need to place the number "0" card in front of the bowls that are empty. Ask students to open book pg. no 69. Ask them to move your finger on number "0" and say it aloud. Repeat number "0" again and again. Tell them there are two boys named asad and musa having 2 cookies in a plate. Asad ate one cookie and musa ate another cookie. Is there any cookie in plate now? It means there is "0" cookie in the plate. Show students the numeral value and symbol of number '0'. Then ask students to open the book pg. no 70. Ask them circle the group of pictures that corresponds to the number. Ask students to count the objects that are '0' in amount. Circle around the class and help students to complete the task. Wrap up: Students will be shown pencil in one hand and ask is there anything in my other hand? Reflection:			5 mins	Students will be assessed on Identifying number '0' Relate quantity with the number	Flashcards 8 – 10 bowls, candies, buttons Book pg. no 69, 70
				5 mins		
				25 mins		
				5 mins		

Mathematical Development		Week: 31	Topic: Number "0"	Day: 2	Class: Play group		
Learning Outcomes	Activity Plan/Methodology				Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify number '0' Relate quantity with the number	Recap: Students will be asked to reinforced numbers from 0 to 10 while reading them through flashcards. We Are Learning to: Identify and count the number '0' through different objects. What I am looking for: How well you identify and count the number '0' through different objects. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: Take the box of folded slips and ask each student to choose one and to hold it until every student has a slip of paper. To make the activity exciting, have the students unfold their slips of paper privately to see which number they have chosen. Have the students go around the room and return with the correct number of objects. Even the students that has zero walks around the room, but returns with "nothing." The students should place all their objects in front of them. Student with number "0" have nothing in front of them. Show the number "0" flashcards and explain that you will be learning about the number "0" today. Show the number "0" flashcards again and write the number as large as possible on the board. Ask the students to trace the number in the air. Ask them "around and around and around we go. That's the way to make zero". It is important that this is done using the whole arm moving from the shoulder. Show the number "0" song to the students. https://youtu.be/xROPi+DaQ8w Focused task: Here is another game to help students understand number "0". The students must start at the top of the stairs. When you call out "one," the student must jump one step down. If you call out "zero," the student must stay where he is. If a student steps down when you call out "0", he is out of the game. In this manner students must try to stay in the game until they reach the bottom of the stairs. Ask students to open book pg. no 71. Ask them what is in the picture. Ask them colour the tree that has '0' fruit. Help students to colour the correct object. Roam around in the class and help students to complete the task. Wrap up: Students will be asked to write number "0" in the air with their finger. Reflection :				5 mins	Students will be assessed on Identifying number '0' Relate quantity with the number	Flashcards
					5 mins		
					25 mins		Stairs
					5 mins		Book pg. no 71
	Homework: Do the book pg. no 72.						Book pg. no 72

Mathematical Development		Week: 31	Topic: Number "0"	Day: 3	Class: Play group	
Learning Outcomes	Activity Plan/Methodology			Time: 40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify number '0' Relate quantity with the number Trace number with correction	Recap: Students will be asked to reinforced numbers from 0 to 10 while reading them through flashcards. We Are Learning to: Identify and count the number '0' through different objects and trace it. What I am looking for: How well you identify and count the number '0' through different objects and trace it. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: To teach the concept of zero, make students work in pairs. They can work with concrete objects like building blocks kept one over the other or a board with counters. (Should not more than five). Let the students take away block/counters one at a time and say how many are left till they are left with zero. Gather the students in a circle for a group activity. Start by showing a large number "0" flashcard to the students. Encourage them to look at it and ask if they know what it is. Explain that this is the number "0", and today, they will learn all about it. Paste number "0" flashcard on board. Ask students to use right forefinger to write the number being taught in the palm of their left hand. Ask them "around and around and around we go. That's the way to make zero". Write number "0" (with correct formation) on white board and draw nothing with it. Associate number with quantity. Show the number "0" song. https://youtu.be/MeRlpU+lbo4 Focused task: Put activity number card, play dough and blocks on the table. Ask students to say number "0", then make it with play dough Demonstrate how to roll play dough into long ropes and how to form the number "0" like oval shape. Put no block on the card. Note: Make activity number card on chart paper. Divide it in 3 columns. Say it, build it and count it. Ask them open book pg. no 73. Ask them there is something hiding in the cage. Draw a line to connect number '0' throughout the cage grid to see what comes out. Ask student to say '0' as they connect the number. Ask students open book pg. no 74. Ask them kids are playing outside their house. Colour the house that has zero kid. Help students to trace number '0' appropriately. Ask them to count and colour the house. Roam around in the class and help students to complete the task. Wrap up: Students will be asked to write number "0" in the air with their finger. Reflection:			5 mins	Students will be assessed on Identifying number '0' Relate quantity with the number Trace number with correction	Flashcards  Book pg. no 73, 74
				5 mins		
				25 mins		
				5 mins		

Mathematical Development		Week: 31	Topic: Number "0"	Day: 4	Class: Play group	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify number '0' Relate quantity with the number Trace number with correction	Recap: Students will be asked to reinforced numbers from 0 to 10 while reading them through flashcards. We Are Learning to: Identify and count the number '0' through different objects and trace it. What I am looking for: How well you identify and count the number '0' through different objects and trace it. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: Show the flashcard and ask which number is this? Paste number "0" on board. Explain concept of zero by showing a box full of sweets/ biscuits. Distribute all sweets and show the empty box and tell there is no sweet in the box. We use "0" to mean nothing. Ask students how many of them wear spectacles. Count how many students raise their hands. Tell students '_____ students wear spectacles. Ask how many of them can drive. No students should raise their hands. Elicit that "0" can drive" Write the number with your finger in the air, explaining your movements as you do. In particular, stress the starting point, you don't remove your finger from the drawing when you write the number "0". Ask the students to write your air drawing using whole arm movements, and to repeat your instructions as they do so. Do this activity with students 3 or 4 times. Continue with other practice techniques, writing number '0' in the palm of your hand. Focused task: Pour a layer of salt into the shallow tray. The salt should be spread evenly to create a smooth surface. Place a number "0" flashcard next to the salt tray where all the students can see it. Show the students how to write the number "0" in the salt tray. Use your finger or the small paintbrush/stick to demonstrate. Say, "Watch me as I write the number "0". Trace the number "0" in the salt, Ask them "around and around and around we go. That's the way to make zero". Ask students to open book pg. no 75. Ask them trace over the number '0'. Direct students to follow the correct movement of number construction. Circle around in the class and help students to trace the number correctly. Wrap up: Show number "0" flashcard and ask its name. Ask them show your zero finger. Reflection :			5 mins	Students will be assessed on Identifying number '0' Relate quantity with the number Trace number with correction	Flashcards
				5 mins		
				25 mins		salt tray
				5 mins		book pg. no 75

Mathematical Development		week: 31	Topic: Number "0"	Day: 5	Class: Play group		
Learning Outcomes	Activity Plan/Methodology				Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify number '0' Relate quantity with the number Trace number with correction	Recap: Students will be asked to reinforced numbers from 0 to 10 while reading them through flashcards We Are Learning to: Identify and count the number '0' through different objects and trace it. What I am looking for: How well you identify and count the number '0' through different objects and trace it. Gained skill: It helps us to enhance our counting, cognitive and visual skills. Introduction: Ask students today we will learn more about number "0". Paste number "0" on board. Divide the board into two columns. Display one drawing of basket with 4/5 apples in it and one basket with no apples on one side of the board and two number cards/magnetic "0" or 4/5 numbers on the other side. Ask student to tell which basket has "0" apples. Ask them to come and circle number "0". Point to the front of the classroom where there is no one and ask students how many students are there; students should be able to say that there are "0" students. Allow students to practice writing the number "0" on a chalkboard or whiteboard. Ask them write the number "0" in the air with your finger many times. Continue with other practice techniques, writing number '0' in the palm of your hand and back of your friend. Focused task: Organize sand numbers prior to tracing number '0' on the book/copy. Demonstrate how to trace the number using the index and the middle finger. Ask them to trace it 2, 3 times. Ask the students to write your air drawing using whole arm movements, and to repeat your instructions as they do so. Do this activity with students 3 or 4 times. Ask students open book pg. no 76. Ask them trace over the number '0'. Help students to trace the correct movement of number "0". Give them a set amount of time to complete the task and monitor their progress, ensuring that they complete each number without eliminating their pencil from the page. Wrap up: Students will be asked to write number "0" in the air with their finger. Reflection : Homework: Trace the number "0" on copy.				5 mins	Students will be assessed on Identifying number '0' Relate quantity with the number Trace number with correction.	Flashcards
					5 mins		
					25 mins		Sand numbers Book pg. no 76
					5 mins		Copy work