

Mathematical Development		Week: 21	Topic: heavier than & lighter than	Day: 1	Class: Nursery	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify and compare between heavier than and lighter than	Recap: Students will be asked to roam in a class and collect at least three objects of same colour, size and shape like blocks, counters, colours. We Are Learning to: Identify and differentiate between heavier than and lighter than. What I am looking for: How well you identify and differentiate between heavier than and lighter than. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Gather students together for the lesson. Hold up two objects (a feather and a rock) and ask students if they know which is heavier and which is lighter. Pass the objects around the class and have students share out their ideas (e.g. the feather is lighter than the rock because I can feel it, etc.). Explain that today they will be learning all about comparing objects to see which is heavier and which is lighter. Have students point to the object they think is heavier. Tell students to turn and talk to a partner to share which they think is heavier. Use a jug to serve water or juice to students. Help them notice how the jug is heavier when it is full. Once you have emptied the contents of the jug into student's drinking glasses, show them how the jug is very light. Help them make the same type of observation with their drinking glass. Show the heavy and light song. https://youtu.be/Y-qKr2jdlg Focused task: Collect pictures that represent heavy and light items: trucks, houses, mice, birds, etc. Select objects that students are familiar with. Encourage students to stick the pictures on a large piece of cardboard or adhesive paper under the heading of heavier than and lighter than. Be sure to use the words "heavier than" and "lighter than" as much as possible throughout the activity, associating them to the different items. Ask students to open book pg. no 19 & 20. Ask them tell the names pictures in that page. Wait for their replies. Ask them there is one cow and one goat, crow and ant. Ask them can they tell which is heavier and which is lighter? Show different objects to clear the concept of heavier and lighter. Teacher can use real objects & flashcards. Tell students that heavy & light is a weight. Things carry weight that can be heavy or light. Repeat the words heavier and lighter again and again with them. Wrap up: Ask them to move around in class and tell about light objects. Reflection			5 mins	Students will be assessed on Identifying and compare between heavier than and lighter than	Flashcards Flashcards of heavy and light Objects, chart paper Book pg. no 19 & 20
				5 mins		
				25 mins		
				5 mins		

Mathematical Development		Week: 21	Topic: heavier than & lighter than	Day: 2	Class: Nursery	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify and compare between heavier than and lighter than	Recap: Students will be shown different things and asked is it heavier or lighter? We Are Learning to: Identify and differentiate between heavier than and lighter than What I am looking for: How well you identify and differentiate between heavier than and lighter than. Gained skill: This will help us to improve our cognitive, social and visual skills. Introduction: Read the story Goldilocks and the Three Bears. As you read and show illustrations, talk to students about the size and weight of the bears and other objects. The great big bear was very heavier. The middle-sized bear was heavy, and the little bear was light. Look at how heavier that big bear looks sitting in his chair. Look at how lighter the basket of mushrooms looks. Look at how heavier the big bowls of porridge look. Ask students to help you identify heavier and lighter objects. Play "What Do You Think?" Ask students about objects in the room that are lighter and heavier. "Do you think that my desk is lighter or heavier?" (Have students test and check the weight of each item by trying to lift it.) "A paper? A crayon? A chair?" https://youtu.be/LMQljLEmF4 Focused task: Place a transparent jar full of water on a table. Give your students different objects like a leaf, a stone, a dice, a foil paper ball, etc. Ask them to drop two objects into the water and see which is heavier and which is lighter. The object that will go down in water will be heavier, and the one that floats will be lighter. Ask students to open book pg. no 21. Ask them tell the names of animals. Ask the name of animals with all students one by one. Ask them colour the animals which are lighter. Show different objects to students and ask whether they are heavier or lighter. Roam around in the class and help them to complete the task. Wrap up: Ask them to move around in class and tell about heavier and lighter objects. Reflection : Homework: Do the book pg. no 22.			5 mins	Students will be assessed on Identifying and compare between heavier than and lighter than	Flashcards
				5 mins		
				25 mins		transparent jar leaf, stone, dice, foil paper ball
				5 mins		Book pg. no 21 Book pg. no 22

Mathematical Development		Week: 21	Topic: heavier than & lighter than	Day: 3	Class: Nursery	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify and compare between heavier than and lighter than	Recap: Students will be shown different things and asked is it heavier or lighter? We Are Learning to: Identify and differentiate between heavier than and lighter than. What I am looking for: How well you identify and differentiate between heavier than and lighter than. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Invite students to look at the soft board having pictures and identify the light bubble and the heavy boulder. Ask: How can we tell if something is light or heavy? (Lift to test the weight.) Use different objects to teach students the meaning of lighter and heavier. When students are comfortable identifying lighter and heavier objects, teach them to use the terms lighter than and heavier than. Here are two bags of groceries. One is lighter and one is heavier. How can we tell which is lighter and which is heavier? (Lift each) Here are two boxes of blocks. One is lighter and one is heavier. How can we tell which one is lighter and which one is heavier? (Lift each). Collect several different types of balls, some that are very light and others that are heavier: beach balls, balloons, soccer balls, etc. As you play with the students in your group, help them notice how some balls are heavier than others. Show the heavy and light song. https://youtu.be/cQ5ysnNIIQ8 Focused task: Give students two laundry baskets and a table full of objects. Make sure that you have a good variety of objects. You should have small things that are heavier, like a paperweight, and large things that are lighter, like a football. It is important to make sure that students do not confuse big and small with heavier and lighter. Have students sort objects into the two laundry baskets, placing all the lighter objects in one and all the heavier objects in the other. Ask students to open book pg. no 23. Talk about the pictures. Ask students to tell the names of pictures. Ask them look at the scale and circle the heavier objects. Tell them car is heavier than the teddy bear. Bring a weight machine and ask one by one students to scale on the machine and compare different weight. Roam around in the class and help students to colour the fruits and vegetables. Help them to complete the task. Wrap up: Ask them to move around in class and tell about heavy and light objects. Reflection:			5 mins	Students will be assessed on Identifying and Compare between heavier than and lighter than	Flash cards Laundry basket, concrete objects Book pg. no 23
				5 mins		
				25 mins		
				5 mins		

Mathematical Development		week: 21	Topic: heavier than & lighter than	Day: 5	Class: Nursery	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify and compare between heavier than and lighter than	Recap: Students will be shown different things and asked is it heavy or light? We Are Learning to: Identify and differentiate between heavy and light. What I am looking for: How well you identify and differentiate between heavy and light. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: This demonstration aims to help students link the concepts of quantity and heaviness. Invite your students to pick up two identical, empty baskets, noting that the two feel the same in terms of weight. Fill one basket with apples but put only a few apples in the other basket. Allow your students to try and lift each basket. Take some of the apples from the full basket and add them to the other one, leaving roughly the same number of apples in each container. Invite students to lift the baskets again to understand how the quantity has affected the weight. Afterward, students can wash and eat the apples for a snack. Before your students eat the apples, bring out a small, heavier object, possibly made from metal. Have each student hold the object in one hand and an apple in the other to judge with weighs more, regardless of size. Ask them size does not matter for weight. Sometimes small objects are more heavier then bigger objects			5 mins	Students will be assessed on Identifying and compare between heavier than and lighter than	Flashcards Concrete objects or toys Book pg. no25 Book pg. no 26
	Focused task: Set up two show-and-tell days for students during the week or weeks that you are teaching the concepts of heavy and light to students. Have students bring a heavy and a light object to show the class. Students can tell about the thing that they bring, where they got it, why it is important to them and why they brought it as an example of heavy or light. Ask students to open book pg. no 25. Talk about the pictures. Ask students to tell the names of things. Wait for their replies. Ask them make a tick (✓) for true statement and make a cross (✗) for false statement. Show different objects to clear the concept of heavy and light. Teacher can use real objects & flashcards. Practice this activity by asking different questions about comparing weight. Tell students that heavy & light is a weight. Help them to complete the task.			25 mins		
	Wrap up: Ask them to move around in class and tell about heavy and light objects. Reflection : Homework: Do the book pg. no 26.			5 mins		