

Mathematical Development		Week: 29	Topic: 3D Shapes (cuboid)	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 3D shape 'cuboid'	Recap: Show the flashcard of sphere and ask the shape name. We Are Learning to: Identify 3D shape 'cuboid'. What I am looking for: How well you identify 3D shape 'cuboid'. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Call students on rug and allow them to sit. Revise flat shape rectangle by flashcard. Show them the flashcard and ask the shape name. Tell them this is cuboid. Tell them cuboids are commonly used in everyday life in the form of packaging boxes, building materials (such as bricks), electronic devices (such as mobiles and tablets), etc. Put a cube upon another cube, this results in a cuboid. Ask them it has two sides that are shorter and two that are longer. Each side matches the other too. Now give your student a set of multiple cuboid and cube. Tell students to repeat, cuboid after you. Ask students look at objects around the room and identify what looks similar to a cuboid (door, table, book, window, phone). Explain what a cuboid is -- that it's like a cube stretched out. Set out cuboidal toys to keep your theme for the day going. Everybody has blocks around the class, so grab a few cuboid-shaped blocks and cuboid books. Have students play with these and to get familiar with the concepts of what a cuboid is. Show the rectangle song. Focused task: Hide cuboidal objects or cutouts of cuboid around the classroom area. Provide the students with a list of items or pictures of cuboids they need to find. This activity promotes observation and fine motor skills. Repeat this activity with all students one by one. Ask students to open book page no 57. Ask them to tell the names of given pictures. Ask them to put their finger on birthday hat. Does it cuboid shaped object? Tell students all cuboid shaped objects look like rectangle. Ask students to find and colour only cuboid shaped objects. Roam around in the class and help students to complete the task. Wrap up: Show flashcards or objects and ask shape name. Reflection :		5 mins	Students will be assessed on	Flashcards	
			5 mins	Identifying 3D shape 'cuboid'		
			25 mins		Concrete objects book pg. no 57	
			5 mins			

Mathematical Development		Week: 29	Topic: 3D Shapes	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 cube, sphere, cone, cylinder and cuboid.	Recap: Students will be shown different things and asked their shapes. We Are Learning to: Identify cube, sphere, cone, cylinder and cuboid. What I am looking for: How well you identify cube, sphere, cone, cylinder and cuboid. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Invite the student to the table holding the wooden geometric solids box and placing it in the top right corner. Tell them today we are going to learn about shapes. Now, take out one shape at a time or the most recognizable shapes, such as the sphere. By touching them, tell the students to see this has no edges or no sides. It is called a sphere. Place it on the working mat. Allow the students to touch, feel and observe for a while. Ask the student, "which shape is this?" Let the student answers it correctly, introduce them to the next shape and repeat the steps (4–8). If not, explain the shape again by touch and feel. Repeat steps 4–8 till all shapes are introduced. Allow the students to explore the other solids in the basket. Show the 3D shapes song: https://youtu.be/7LjhwbsVXQ8 Focused task: Provide the playdough to all students. Ask the today we will make shapes with playdough. Draw the shapes on board and ask their names. Using play dough to make shapes will not only help them learn how to form a shape, it will also strengthen their fine motor skills, strengthen their hands, and work on their visual perception. When they are making shapes roam around in the class and ask the name of shapes they are making. Ask students to open book pg. no 58. Talk about the pictures. Ask students to tell the names of these objects and their shapes. Show them more objects of different shapes. Roam around in the class and help students to match the shapes with the objects. Help them to complete the task. Wrap up: Show flashcards or objects and ask shape name. Reflection: Homework: Do the worksheet.			5 mins	Students will be assessed on	Flash cards
				25 mins	Identifying cube, sphere, cone, cylinder and cuboid.	Playdough
				5 mins		Book pg. no 58
					Worksheet	



Student Name: _____ Date: _____

Colour the shapes according to the colour key.



green



cone



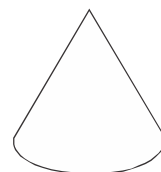
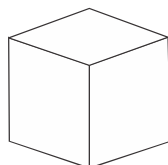
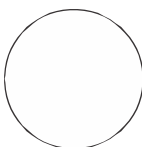
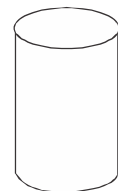
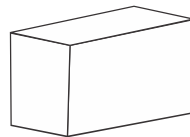
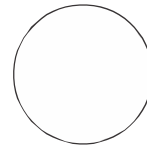
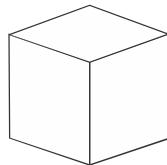
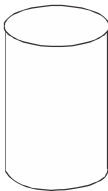
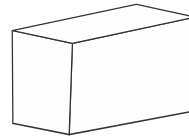
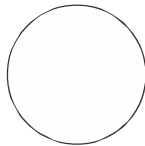
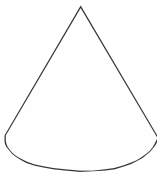
cylinder



sphere



cuboid



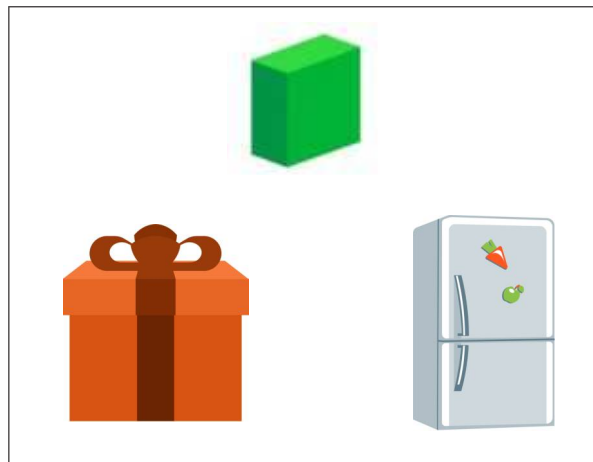
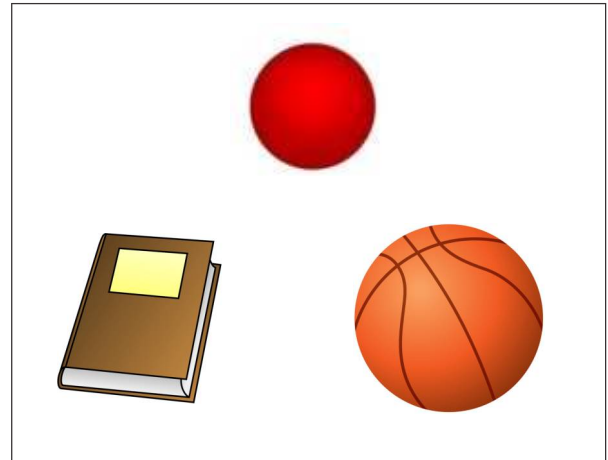
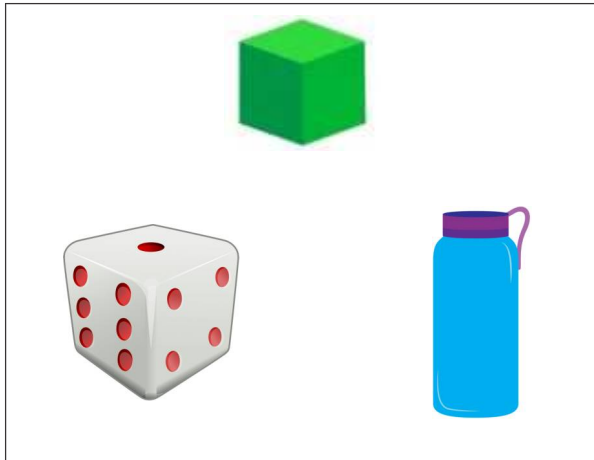
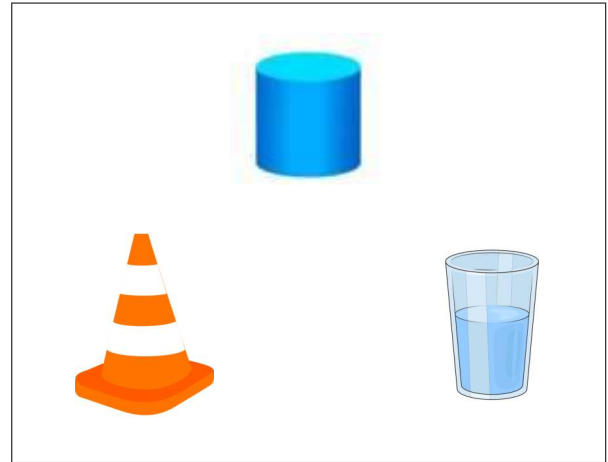
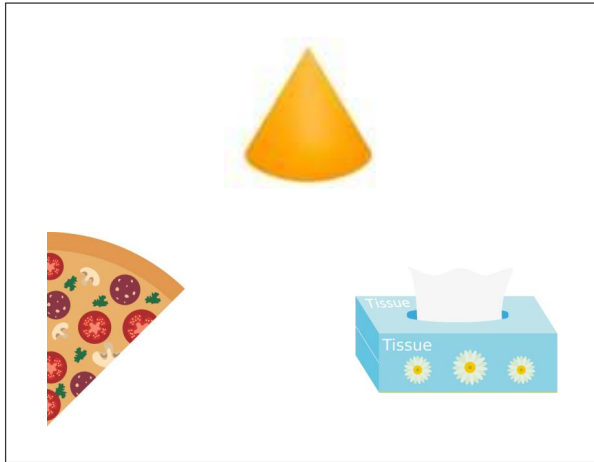
Mathematical Development		Week: 29	Topic: 3D Shapes	Day: 3	Class: Nursery	
Learning Outcomes	Activity Plan/Methodology			Time:40 minutes	Assessment of Learning	Resources
Upon the completion of this lesson, Students will be able to: Identify cube, sphere, cone, cylinder and cuboid.	Recap: Students will be shown different things and asked their shapes. We Are Learning to: Identify cube, sphere, cone, cylinder and cuboid. What I am looking for: How well you identify cube, sphere, cone, cylinder and cuboid. Gained skill: This will help us to improve our fine motor, cognitive, social and visual skills. Introduction: Tell students that today they are going to learn about 3D geometric shapes. Show them examples of 2D and 3D shapes, such as a circle and a sphere. List all of the names of the shapes (cube, sphere, cone, cylinder and cuboid) that your students will be working on. Ask students to explore some of the similarities and differences. We may point out, or students may notice, for example, that a square is a 'slice' of a cube or that a circle can't hold water, but a cylinder can. Ask them to name some shapes they see around them. Review 2D shapes using the shape song or visuals prior to the start of the lesson. Introduce 3D shapes by passing out tactile examples for students to explore. Ask students to repeat each shape name after you while you display a visual of the 3D shape. https://youtu.be/2cg-Uc556-Q Focused task: A fun way to kick off a geometry unit on 3D shapes is using a "Mystery Shapes Pack" or mystery bag. An oversized laundry sack will easily hold and conceal many objects. Find items around your classroom for each of the solid figures you are teaching. You can also have students bring in items from home to add to the mystery bag. After you have gathered a sufficient number of items, gather your class on the carpet, do a big reveal of each item in the bag, and classify them by shape. After the items are sorted, discuss the attributes of each group. Check out some of the fun 3D shape items from our mystery bag: foam roller, shoe box, Magic ball, Rubik cube, chocolate, Pringles can, battery, bouncy ball... Ask students to open book pg. no 52. Talk about the pictures. Ask students feel and touch these objects to tell the names of these objects and their shapes. Ask students 3D are solid shapes that have 3 dimensional faces length, width and height. Roam around in the class and help students to tell the name of each object and its shape. Wrap up: Show flashcards or objects and ask shape name. Reflection :	5 mins	Students will be assessed on	Flashcards		
		5 mins	Identifying cube, sphere, cone, cylinder and cuboid.			
			25 mins			
						Book pg. no 52



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Student Name: _____ Date: _____

Circle the object match with given shape.



Mathematical Development			Week: 29	Topic: 3D Shapes	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 cube, sphere, cone, cylinder and cuboid.	Recap: Students will be shown different things and asked their shapes. We Are Learning to: Identify cube, sphere, cone, cylinder and cuboid. What I am looking for: How well you identify cube, sphere, cone, cylinder and cuboid. Gained skill: This will help us to improve our cognitive, social and visual skills. Introduction: Begin the lesson with having students explore the classroom for objects that they see in their environment (or if weather and time permit, take the students outside of the school to examine objects they find around the school grounds and in nature). Students will have 1 minute to discover and name as many objects as they can. This can be done on their own or within a pairing or small group. This ends with a discussion about the found objects, naming and describing them. Here we will go over the key terms and make sure all students have the correct names for objects (sphere, cube, cuboid, cone, cylinder). Tell about 3D shapes by showing the students real world objects. Show them a party hat, cylinder, ball, and a dot cube. Tell them examples of 3D shapes are around us all the time. Nearly everything we see and interact with in our day to day lives is a three-dimensional shape, from Lego bricks to sunflowers. Focused task: Students will be given marshmallows or playdough and spaghetti to construct their own 3D shapes. Students, working individually, will be given the open ended task of creating any 3D object they choose. Roam around in the class and help them to make the shapes. Provide the objects or flashcards for matching activity where students match the 3-D shape with the object or flashcards. I love to do these matching activities at morning meeting as a greeting! Provide the worksheets to all students. Ask them tell the names of all objects. Ask the names of shapes first then ask students to match the objects which have same 3D shapes by draw a line Roam around in the class and help them to cross the odd one. Wrap up: Students will be shown different things and ask their shapes. Reflection : Homework: Do the worksheet		5 mins		Students will be assessed on	Flashcards	
			25 mins		Identifying cube, sphere, cone, cylinder and cuboid.	Marshmallow, playdough, spaghetti	
			5 mins			Shapes & object, flashcards	
					Worksheet		
					Worksheet		



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Student Name: _____ Date: _____

Match the objects which have same shape.





Student Name: _____ Date: _____

Look at the shape and paste one picture of real life object which remble with it.

