

E-CONTENT VIDYADAAN-2.0
CLASS: III
SUBJECT: MATHEMATICS
LESSON: 1 WHERE TO LOOK FROM
LESSON PLAN AND RESOURCES

Gist of the lesson	Focused skills/ Competency	Targeted learning outcomes (TLO)	Suggested activities	TLM/suggested resources	Suggested e-resources	Assessment strategies planned/ Worksheet
The lesson focuses on developing four concepts- 1. Different points of view of an object from different directions. (top, front, side, back) 2. Joining dots to make a shape or a design. 3. Mirror halves 4. Symmetry	Understanding of basic concept Ability to compute Problem solving ability	1. To be able to Identify different directions from the poem. 2. To be able to Identify and view objects from different directions. 3. To be able to understand shapes and patterns made by using dots. 4. To be able to identify symmetrical and asymmetrical figures. 1. To be able to write different directions. 2. To be able to draw shapes and patterns using dots. 3. To be able to draw mirror half of an object. 4. To be able to draw line of symmetry. 1. To be able to identify the direction by looking at the picture. 2. To be able to complete the incomplete shape by joining the dots. 3. To be able to make symmetrical figures.	<u>Class activity 1-</u> Poem recitation with action using pom-poms. <u>Class activity 2-</u> - Teacher will put a model of a house on the teacher's table in the class. - Ask the children to observe the model of house from different points of view. - Ask the children to draw the picture of the house in their notebook. - Explain the concept of top, front, side view based on above activity to the students. <u>Class activity 3-</u> Showing video based on the different direction of views. <u>Field activity 1-</u> - Take the children to the school garden. Show the children objects of various shapes in nature like pebbles, stone, leaves, flowerpot etc. from different points of view. - Take the children to the first floor to show the top view of the school garden. - Ask them to draw the shape of the objects and colour them. <u>Class activity 4-</u> Life-experience- Ask to observe rangoli designs at home. <u>Class activity 5-</u> a) Colourful blocks of shapes game. <u>Class activity 6-</u> - Showing video based on symmetry - Showing a video based on tit for tat story. <u>Class activity 7-</u> Ask students to look the other half of an incomplete object in the mirror. <u>Class activity 8-</u> Fold the paper game to make symmetrical figures.	Pom-poms made by students for action dance. House model (different objects like box, book, pen, toys etc. anything can be used) Pebbles, stone, leaves, flowerpot Drawing rangoli using dots and chalk in class Colourful blocks of different shapes, Mirror Paper shapes Cut-outs	https://drive.google.com/open?id=1dsHWlj47jKohOh5x3bsACsmHxT3xyv6n https://drive.google.com/open?id=1dlURCoheBS9oLPNDQAqlFiyrdwtuawkc https://drive.google.com/open?id=1cfznse1Nt8FB7HmbFecXv-RdRjOZkft0 https://drive.google.com/open?id=1BbHS1YUMugfhRZ7osThLzayJNulSFojz https://drive.google.com/open?id=1MqXSOLEHkRvmH3Xk4i61Gm7bYzh3TOd https://drive.google.com/open?id=15JwbTJIQ28nLkTPQyPxMkebW7b0GrUHj PPT- https://drive.google.com/open?id=1msJZUNTSuNZAO0H-vCCFPq64LBwFaQ4 <u>Fun activity:</u> 1. Mask making by drawing half picture. 2. Squish painting.	Worksheet-1 https://drive.google.com/open?id=1mXOSqkqBbnM0XOQQY-jhHpPFMfLZSX3a Worksheet-2 https://drive.google.com/open?id=1BpYkAAwcjMCUVtSls0l1sdmy-jleS4Sj Worksheet-3 https://drive.google.com/open?id=1YuFeT9rzPVW9tKsws2CMbfZj14EX0Z07 Worksheet-4 https://drive.google.com/open?id=1Noio7damyVVKnm9NybgiCwJVYzPsYN1J Worksheet-5 https://drive.google.com/open?id=1IZMbJEwiUqqLqND3gugVvZJVLg4N-LST Worksheet-6 https://drive.google.com/open?id=13rwLhWAqlg0dsO0-1qnyir00GBmiqsHd LAT sample paper https://drive.google.com/open?id=1RBpHFyhiUPleFYIv4laSvHrIoVAn5V1X

DAY-WISE LESSON PLAN

CLASS-III	SUBJECT-MATHEMATICS	DAY-1	TIME DURATION-40 MIN
UNIT/NAME OF THE LESSON	CHAPTER-1 WHERE TO LOOK FROM		
LEARNING OBJECTIVE	To be able to understand patterns, shapes and symmetry and solve problems based on these.		
CONCEPT OF THE DAY	Views of objects from different directions		
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Identify different views of an object from different directions. 2. Name and write the different views of the objects from different directions.		
TEACHING LEARNING MATERIAL (TLM)	Model of house, Objects like toy car and elephant, box, book, table, chair etc., flash cards with top, back, front, side written on it.		
PREREQUISITE KNOWLEDGE	Students are well aware about few common objects which they see in their day to day life. They are able to identify objects like, house, fan, car, elephant etc.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Oral test: Identify the shown objects. Teacher will put some models of objects and will show some pictures to the students and ask them to identify.		
TRANSACTION METHODOLOGY			
STARTER/ WARM UP: POEM (8 MIN)	Teacher will ask the students to recite a poem with her based on different views with actions using pom-poms. Poem: Here we go front-front-front, Here we go back-back-back. Here we look top-top-top, Here we look bottom-bottom-bottom. Here we go left-left-left, Here we go right-right-right. It can be a left-left-left, It can be a right-right-right. Or we can say-say-say, We are going to side-side-side.		

VIDEO WITH EXPLANATION (6 MIN)	Teacher will show pictures of an elephant from different directions and ask the students to tell which view is it? Now students will be asked to watch the video based on views of objects from different directions very carefully. https://drive.google.com/open?id=1OwBHUXveOFBME3GYMKv5Ei36D1tZ-crI
QUESTIONING & DISCUSSION (ORAL TEST): PPT AND REAL OBJECTS (6 MIN)	Teacher will show one PPT to the students and ask questions in between. https://drive.google.com/open?id=1msJZUNTSuNZAO0H-vCCFPq64LBwFaQ4 Teacher will show some objects to students from different directions and ask them to tell the view. (students will answer by showing their flash cards)
CLASS ACTIVITY FOR STUDENTS WITH EXPLANATION (15 MIN)	- Teacher will put a model of a house on the teacher's table in the class. - Students will be asked to observe the model of house from different directions and draw the picture of the house in their notebook. - Teacher will explain the concept of top, front, side and back view based on above activity to the students. An example video for class: https://drive.google.com/open?id=1dlURCoheBS9oLPNDQAqlFiyrdwtuawkC
CLOSURE (5 MIN)	Students will be asked to submit the notebooks and worksheets will be distributed.
SUGGESTED FIELD ACTIVITY (can be done in FW period)	- Teacher will take the students to the school garden. - Show the children objects of various shapes in nature like pebbles, stone, leaves, flowerpot etc. from different directions. - Teacher will take the children to the first floor to show the top view of the school garden.
HOME LEARNING	Worksheet will be given to the students to solve from home. Worksheet-1: https://drive.google.com/open?id=1mXOSqkqBbnM0XOQQY-jhHpPFMfLZSX3a
EXTERNAL RESOURCES	NCERT book Videos from internet.

CLASS-III	SUBJECT-MATHEMATICS	DAY-2	TIME DURATION-40 MIN
UNIT/NAME OF THE LESSON	CHAPTER-1 WHERE TO LOOK FROM		
LEARNING OBJECTIVE	To be able to understand patterns, shapes and symmetry and solve problems based on these.		
CONCEPT OF THE DAY	Magic of dots		
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Draw designs and patterns by joining dots. 2. Complete shapes and designs by joining dots.		
PREREQUISITE KNOWLEDGE	Students have seen many patterns and designs in their day to day life.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Oral test: Students will be shown some designs and patterns and will be asked where they have seen it.		
TRANSACTION METHODOLOGY			
STARTER/ INTRODUCTION: VIDEO (8 MIN)	Teacher will tell students how with the help of dots they can create wonderful things and will show a video based on game of connecting dots to the students and ask them to watch it carefully. https://drive.google.com/open?id=1BhHSIYUMugfhRZ7osThLzayJNu1SFojZ		
BOARD ACTIVITY (4 MIN)	a) Teacher will put some dots on the board and give number to each dot, so that on joining them in sequence a picture will create on the board. b) Now one by one few students will be called from each row and they will be asked to connect the next number in the sequence. c) Remaining students will be asked to follow the same in their notebooks.		

EXPLANATION VIDEO & DISCUSSION (10 MIN)	Teacher will show one video to the students and ask them to watch it carefully. https://drive.google.com/open?id=1sofRZ3nd8OECC7hUK_pjYvUN7F8BquZj Teacher will draw a dot grid on the board and show how different shapes, designs and Rangolis can be made easily by joining dots.
CLASS ACTIVITY FOR STUDENTS: WORKSHEET (10 MIN)	A worksheet will be distributed in class based on connecting dots to make shapes and designs and colour them. Worksheet-2: https://drive.google.com/open?id=1BpYkAAwcjMCUVtSls0l1sdmy-jIeS4Sj
CLOSURE (5 MIN)	Students will be asked to submit the worksheets and a new worksheet will be distributed for home assignment.
HOME LEARNING	Worksheet will be given to the students to solve from home. Worksheet-3: https://drive.google.com/open?id=1YuFeT9rzPVW9tKsww2CMbfZjI4EX0Z07
EXTERNAL RESOURCES	NCERT book Link of video made by teacher for online learning. https://drive.google.com/open?id=1L_YTURNqM45sq1G2l8dew99S19J_7mZm

CLASS-III	SUBJECT-MATHEMATICS	DAY-3	TIME DURATION-40 MIN
UNIT/NAME OF THE LESSON	CHAPTER-1 WHERE TO LOOK FROM		
LEARNING OBJECTIVE	To be able to understand patterns, shapes and symmetry and solve problems based on these.		
CONCEPT OF THE DAY	Mirror halves		
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Understand the concept of mirror halves. 2. Draw the other half of a picture by using mirror.		
TEACHING LEARNING MATERIAL (TLM)	Mirror, colourful blocks of shapes like square, triangle, rectangle, trapezium etc.		
PREREQUISITE KNOWLEDGE	Students are well aware about the mirror and how it works.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Brain storming: Teacher will ask questions based on previous knowledge of students. ex- a) Have you seen mirror? b) What do you see when you stand in front of mirror? c) What will happen is you put anything in front of mirror?		
TRANSACTION METHODOLOGY			
STARTER/ INTRODUCTION: VIDEO (5 MIN)	Teacher will draw a half picture of a something on the board and will ask the students to guess. After that teacher will put a mirror at the edge of the picture and ask students to see if they were right or not. Now one video based on mirror halves will be shown in the class. https://drive.google.com/open?id=1zzEx3ehUEb9dzl1QHojwBmF-oMJyXiDE		
GAME ACTIVITY (15 MIN)	Teacher will put the colourful blocks of shapes on the table in front of mirror and students will be asked to come one by one and arrange them in different ways and see how beautiful patterns are creating.		

STORY TELLING (2 MIN)	Teacher will show a video based on the story of mirror halves given in NCERT book and will ask students to listen to it carefully. https://drive.google.com/open?id=1MqX_SOLEHKRvmH3Xk4i61Gm7bYzh3TOd
ASSESSMENT: WORKSHEET (10 MIN)	Based on the story students will be given one worksheet and will be asked to solve it. Worksheet-4: https://drive.google.com/open?id=1Noio7damyVVKnm9NybgjCwJVYzPsYN1J
CLOSURE (5 MIN)	Worksheets given will be collected and home assignments worksheet will be distributed.
HOME LEARNING	Worksheet will be given to the students to solve from home. Worksheet-5: https://drive.google.com/open?id=1lZMbJEwiUqqLqND3gugVyZJVLg4N-LST Students will be asked to bring cut-outs of square, rectangle, circle and triangle from chart paper from home for the next day.
EXTERNAL RESOURCES	NCERT book Link of video made by teacher for online learning. https://drive.google.com/open?id=1dw3hMDiroAzDCGW-betjrAexzv-udlB4

CLASS-III	SUBJECT-MATHEMATICS	DAY-4	TIME DURATION-40 MIN
UNIT/NAME OF THE LESSON	CHAPTER-1 WHERE TO LOOK FROM		
LEARNING OBJECTIVE	To be able to understand patterns, shapes and symmetry and solve problems based on these.		
CONCEPT OF THE DAY	Symmetry		
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Identify symmetrical figures. 2. Draw line of symmetry of different figures. 3. Create a symmetrical design and explain how it is symmetrical.		
TEACHING LEARNING MATERIAL (TLM)	Cut-outs of square, rectangle, circle and triangle from chart paper.		
PREREQUISITE KNOWLEDGE	Students are aware about the mirror halves and know they are identical.		
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some half-drawn pictures will be shown to students on smart board and asked to guess them. Workheet-5 is already used as the assessment test for this.		
TRANSACTION METHODOLOGY			
STARTER/ INTRODUCTION: (MIN)	a) Teacher will start the class with a discussion on mirror halves connecting to previous day. b) The concept of twins will be put in front of students. c) Students will be shown pictures having two identical parts like butterfly, leaves and famous building of world and told that these are symmetrical figures.		
EXPLAINATION VIDEO &DISCUSSION (8 MIN)	A video starting with a story based on symmetry will be shown to students. https://drive.google.com/open?id=15JwbTJIO28nLkTPQyPxMkebw7b0GrUHj Teacher will explain the concept of symmetry and line of symmetry on the board.		
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to take out the cut-outs they brought from home. b) Now step by step by folding the cut-outs teacher will explain about symmetry and line of symmetry. c) Students will follow the teacher step by step in this activity.		

ASSESSMENT (8 MIN)	A worksheet will be distributed in class and students will be asked to solve it. Worksheet-6: https://drive.google.com/open?id=13rwLhWAqlg0dsO0-1qnyir00GBmiqsHd
CLOSURE (5 MIN)	Before binding up the class students will be shown 2 videos for their home assignment based on symmetry. Squish painting: https://drive.google.com/open?id=1zuZbJxOlQ9DLcKwuzw9q6P63eHvYetu3 Mask making: https://drive.google.com/open?id=1iyxff9ckWq1akMo1pIm6vJLi4f-0yhX3
HOME LEARNING	1. Students will be asked to make a mask using symmetry. 2. Students will be asked to make a squish painting.
EXTERNAL RESOURCES	NCERT book Link of video made by teacher for online learning. https://drive.google.com/open?id=1Epx6RCaBCyW0rHKDD23A3i5TJCJdF7bO
IMPORTANT NOTE	Link for the study material of the chapter. https://drive.google.com/open?id=1PLR1518AytZhtPJaf996yx0qw7NeSdA6 Link to LAT paper sample for this chapter. https://drive.google.com/open?id=1RBpHFyhIUpleFYIv4laSvHrIoVAn5V1X Link for the reading material of the chapter. https://drive.google.com/open?id=1x-BoJsmK8hZz7_2beUF1ufdSy3TWcdjZ Link for the concept map of the chapter. https://drive.google.com/open?id=1HgFsO5K8XypOaQTHM8rwJos9JsCMGNW Link for the PPT of the chapter. https://drive.google.com/open?id=1msJZUNTSuNZAO0H_-vCCFPq64LBwFaQ4 Link for the activity sheet of the chapter. https://drive.google.com/open?id=1Cx5CqScD78B-elutYlTkcfOM7tWzGe-q