



Visual Patterns

Lesson Plan: Class 01 / IPP / 02



Overall goal of the lesson	Iterative Patterns and processes
Prior knowledge required	None

MODULE 1: **Module time:** 35 minutes

Goal:	Understanding visual patterns
Description:	Illustrate visual patterns with the help of examples like rangoli or other patterns
Material required:	Physical: None. However it will help if teachers can replace the objects mentioned in the presentation with real things if possible. Electronic: None
Procedure Summary:	
Procedure Details:	<p>Start the session with an exciting tone. Establish the context by revisiting few examples from the first lesson.</p> <p>Slide 2 :</p> <ul style="list-style-type: none"> ● Make it more interactive by asking if they have observed any patterns around them? ● Listen to their response and comment accordingly ● Set the context for learning some more exciting things in today's lesson. <p>Make sure that the kids are excited enough</p> <p>Slide 3 :</p> <ul style="list-style-type: none"> ● Let us learn more about patterns thro puzzles ● Show them the slide and ask them which shape will fill in the blank. ● Based on their response, ask why do they think so? ● Run the slide and explain the pattern once again of green square followed by red triangle getting repeated and hence identifying the missing object <p>Slide 4 :</p> <ul style="list-style-type: none"> ● Ask them if they are game for more such puzzles or questions ● Show them the slide and ask them which shape will fill in the blank. ● Based on their response, ask why do they think so? ● Run the slide and explain the pattern getting repeated and hence identifying the missing object <p>Slide 5 & 6:</p> <ul style="list-style-type: none"> ● Start by asking questions around Rangoli eg. Mention about Diwali – the festival of lights. What all do we do during Diwali. Ask if they know how to draw rangoli or have they seen some one draw a rangoli. ● You may choose to draw a simple rangoli pattern on the board and ask them how you can make a nice border with that pattern. ● Also explain the concept of a pattern with the help of this slide. ● Run through the slide 6 to reiterate the point ● Acknowledge the students giving correct answer

Slide 7 & 8 :

- Before showing slide 7, ask the students about their favorite flower.
- You may use the board to write down the responses
- Based on the response from the students, show slide 7. You can make it more interesting by giving example of your own garden stating that it has various types of roses. Also ask the students how many colors of roses they have seen.
- Explain the pattern of a rose – petals, leaves, fragrance, thorns etc. with the help of slide 7 and 8.

You may ask them similar such examples eg. Hibiscus, bougainvillea etc. available in different colors.

Now ask them if they are ready to play a quiz to learn more about patterns

Slide 9 :

- Show them slide 9 and ask them to fill in the blank
- Based on their response, also ask them why they think that is the right answer
- Explain the pattern in the example to reiterate the concept.

Throw another quiz to them covered in slide 10

Slide 10 :

- Show them the slide and ask them to first identify the pattern
- Next ask them to fill in the blank
- Ask them to explain their answer
- Explain the concept of a pattern with the help of slide 10.

Ask the students if they have played with Lego blocks? Ask about the various things they have made from the lego blocks

Slide 11 :

- Show slide 11 and explain the task to them
- Ask them to use as many lego blocks as they want and ask them to make a bigger rectangle
- Evaluate their responses for correctness

Slide 12:

- Show slide 12 to them
- Ask them to match their answer with the picture on the slide
- Explain the solution.

Slide 13:

- Now ask them if they can make any other shape from the blocks
- You may use slide 13 or simply evaluate their answers for correctness

Slide 14:

- Ask them what all they can make using the lego blocks. Ask them if they can make different alphabets using the blocks.
- Use slide 14 to explain the task

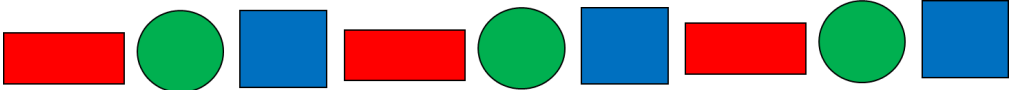
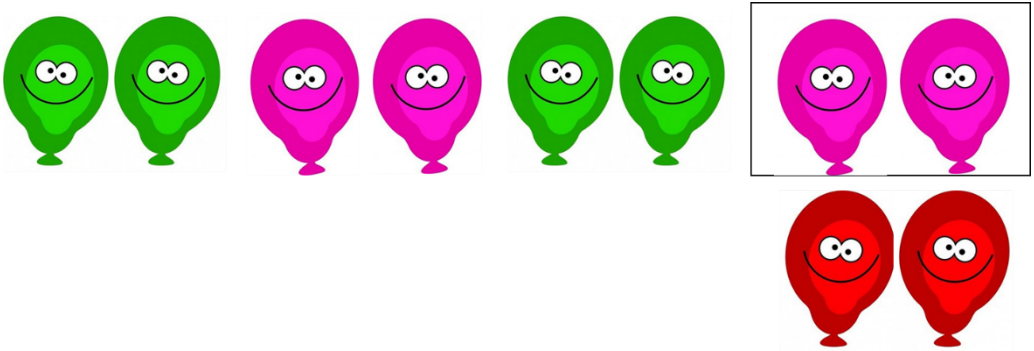
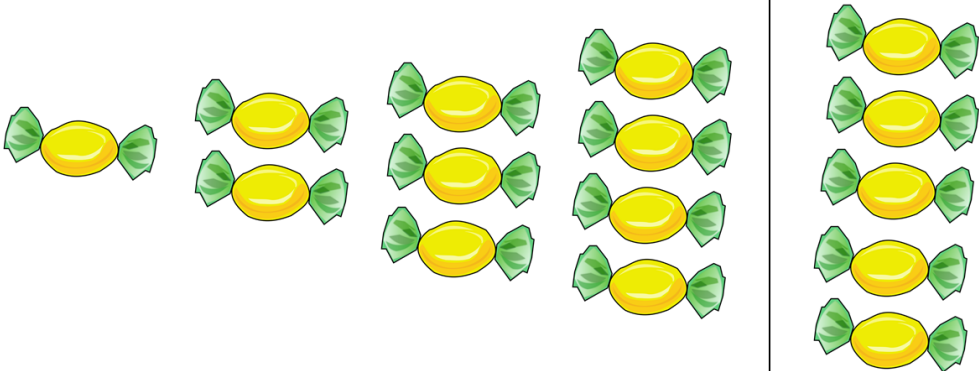
Slide 15 and 16:

- Run through slide 15 in slide show mode to show how to make alphabets using lego blocks.
- Make it more interactive by asking them if they can make any other alphabets than the ones mentioned in the slides.
- Evaluate the correctness of their answers

Slide 17:

	<ul style="list-style-type: none"> • Use slide 17 to have a recap of the various visual patterns covered in this session. • Give them an assignment to observe such patterns around them and discuss with their friends
Assessment:	At the end of this lesson, students should be able to identify visual patterns, should be able to form patterns from an image, answer related questions about visual patterns
Information Broadcast:	

Note : The teacher may use their discretion for slight deviations in the model answer

Question No	Model Answer
1	
2	
3	
4	Teacher to evaluate the example written by the student. May vary from student to student. Few alphabets that they can make are "O", "P", "A", "B" etc.