



LESSON PLAN

1. Identification of Data

Name of the School : Lakhimpur National Academy

Class : VII (Seven)

Subject : Mathematics

Name of the Lesson : Triangles and its types.

Number of students : 24

Average age of the Students : 12+

Teachers Name : Dibyajyoti Saikia

Time : 40 minutes

Date : 29/03/2019

2. General Objectives :

- 1. The pupils will be able to recall different Mathematics related terms, formulas, symbols, rules, principles, laws, etc.
- 2. The pupils will be able to define different Mathematics related terms.
- 3. The pupils will be able to develop Scientific attitude .
- 4. The pupils will develop powers of thinking and reasoning.
- 5. The pupils will develop a scientific and realistic attitude towards life.
- 6. The pupils will be prepared for elementary as well as higher education in different branches of science, economics, engineering, etc.
- 7. The pupils will develop an appreciation for the significance of the Scientific truth.

3. SPECIFIC OBJECTIVES

- (I) KNOWLEDGE : (i) Pupil can define the terms like Triangles, Isosceles triangles etc.
(ii) Pupil can recall the terms like Triangles, Angles etc.
- (II) UNDERSTANDING : (i) Pupil can explain about Triangles, types of triangles .
(ii) Pupil can able to give Examples of different types of triangles.
- (III) APPLICATION : (i) Pupil will able to analyse the structure of different types pf Triangles.
- (I) SKILL : (i) Pupil can able to draw different types of triangles.

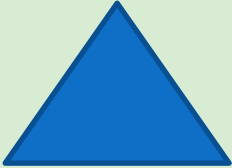
4. TEACHING POINT :




1. Definition of Triangles
2. Types of triangles
 - (i) Based on the Sides
 - (ii) Based on the angles

5. TEACHING AIDS :

1. **General teaching aids:** Chalk, Black Board, Text Book, Duster etc.
2. Specific Teaching aids : Chart
(Diagrams of different triangles)

PRESENTATION :

Step	Teaching Point	Learning Outcome	Microteaching Skill
Pres enta tion	<p><u>1. Defination of Triangle:</u> A plane figure with three straight sides and three angles.</p>  <p><u>Questions :</u></p> <ol style="list-style-type: none">1. Define Triangle.2. Triangle have how many angles ?3. Explain about Structure of triangles.	<p>Knowledge (Define)</p> <p>Knowledge (Recall)</p> <p>Understand (Explain)</p>	<p>Black Board writing</p> <p>Explaining</p> <p>Questioning</p>

Step	Teaching Point	Learning Outcome	Microteaching Skill
<p>Presentati on</p>	<p>2. Types of triangles : Based on the sides of the triangles, triangles can be classified into three types :</p> <p>(i) Equilateral Triangles : Triangles which have all the sides equal is called equilateral triangles.</p>  <p>(ii) Isosceles Triangles: Triangles which have two sides equal is called Isosceles Triangles.</p>  <p>(iii) Scalene Triangles : Triangles which have all the sides different, is called Scalene Triangles.</p> 		<p>Explaining Skill</p> <p>Blackboard Writing</p> <p>Questioning</p>

Step	Teaching point	Learning Outcome	Micro teaching skill
Presentation	<p>Based on the angles of different types, triangles can be classified into three types .</p> <p>(i) <u>Acute Triangle</u> : Triangles which have three angle less than 90°.</p> <p>(ii) <u>Right angled Triangle</u> : Triangles having one right angle i.e., 90°.</p> <p>(iii) <u>Obtuse Triangle</u> : Triangles having one obtuse angle i.e., more than 90°.</p> <p><u>Questions :</u></p> <ol style="list-style-type: none"> 1. Based on the sides triangles can be classified into how many types? 2. Explain about types of triangles. 3. What is the difference between acute and obtuse triangle. 	<p>Knowledge (Recall)</p> <p>Understand (Explain)</p> <p>Understand (Differentiate)</p>	<p>Explaining</p> <p>Blackboard writing</p> <p>Questioning</p>

ACHIEVING CLOSURE :

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Homework :

1. Prepare a list of shapes of different things which are in the shape of triangle.
2. Draw different types of Triangles.