Class – VII

Lesson Plan (2023-24)

MATHEMATICS

Topic: ch6. Triangles and its properties

KPI 2(CLASS VI) :- Improving visualization skills in Application of geometrical Concepts.

Brief Description of the lesson: In this chapter the

Objectives:

I -Specific Objectives: To enable the students to:

S1 Understand that median is join of vertex to the midpoint of opposite side and altitude is the perpendicular from the vertex to line containing opposite side
S2 Able to identify the exterior angle and its interior opposite angles. **Understand that an exterior angle is the sum of interior opposite angles.**
S3 Understand that the sum of the three angles of a triangle is 180^0 **S4 To understand the Pythagoras theorem In a right triangle and its applications.**

II - Behavioral Objectives: Students will be able to develop:

B1. Visualizing skill, Imagination skill**,** in daily life they will be able to find example of different angles and properties of triangles

Process / Activities

Activity ACT 2 (to support learning) : Explain a right angled triangle and statement of Pythagoras theorem.(A)

Demonstrate the exterior angle property by drawing the figure on the black board

Explain the medians and altitudes in the case of acute angles , right and obtuse angled triangles.

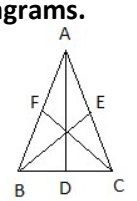
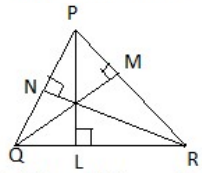
Skills (as per subject): Imagination and observation

Assessment:-Assessment will be done on the basis of above activities and assignment.

KPI 2(Class test / worksheet /planned activity)

Expected Learning Outcomes:

Students would be able to:

MEDIANS AND ALTITUDES	**Understand that median is join of vertex to the midpoint of opposite side and altitude is the perpendicular from the vertex to line containing opposite side**	**Explain the concepts with the use of diagrams.**  AD, BE and CF are the medians and they intersect at a poin  PL, QM and RN are altitudes	**H/W (Qns from exercises)** **Oral test** **Assignments**

		Explain the medians and altitudes in the case of acute angles , right and obtuse angled triangles.	