AKAL ACADEMY BHAI DESA

Date :-   **Lesson plan no.:-**   **Sub:-maths**   **Class: 9th**

Topic:-ch6(Lines and angles)

Overview :- 13periods

Pre requisite knowledge :-

Knowledge of different types of angles with their figures.

Teaching Aids:-

Green Board, Chalk, Duster, Charts, smart board, projector and laptop etc.

Methodology:-

Demonstration and Lecture method

Educational Objectives:-After studying this lesson students will be able to understand
•the different types of angles with their diagrams.
•linear pair of angles, supplementary angles, complementary angles, adjacent angles.
•different types of lines.
•concept of parallel lines and transversal.

• properties of triangles with proof.

• If two lines intersect ,vertically opposite angles are equal.

•When two parallel lines are intersected by a transversal then prove that corresponding angles are equal, alternate angles are equal, alternate angles are equal, and interior angles on the same side of the transversal are supplementary.

• Prove that the sum of three angles of a triangle is 180°.
Engage:- Teacher will engage the students by asking the following questions:

• what is a line and ray and their difference ?

• Define angle.

• How many ray required to make an angle?

Announcement of topic:- After engage teacher will announce the name of topic.

Explore/explain :- teacher will ask the class about the meaning of the word' lines and angles' and different type of angles. After getting the different answers from the class , teacher himself explain these meaning , definition and explainations step by step.

Elaborate:-Review questions assigned by the teacher. Solve NCERT problems with examples and with important theorems along with some questions from the refreshers.

•Students will review questions given by the teacher. •Students will solve NCERT problems with examples and assignment given by teacher.

•students extend their learning by visiting mathematical sites.

•They also extend their learning by doing practises of other maths books .

•Students can extend their learning by studying basic concepts and formulas of mathematics through internet and different plateforms.

Final recapitulation :-Teacher will recall the main and important points at the end of the class.

Evaluation :-

•Separate worksheets will be provided by teacher which includes logical thinking and HOTS questions to above average students.

•Written test will be conducted by teacher.
Homework :-Teacher will ask the students to practice the given questions on rough notebook.
Sign of Teacher_____ .   Sign of HOD_____