AKAL ACADEMY BHAI DESA

Lesson plan No. Class:-11th Sub.:- Maths Date

Chapter:-12(Introduction to Three Dimensional Geometry)

Overview:-8 periods+2periods

Details of subtopics:-

1. Introduction about Three Dimensional Geometry.
2. Coordinate Axes and Coordinate Planes in Three Dimensional Space.
3. Coordinates of a Point in Space.
4. Distance between Two Points.
5. Section Formula.

Educational objectives:-

1. Student will understand the concept of Three Dimensional Geometry and be able to implement these concept in their daily life.
2. Student will be able to find the Point in Three Dimensions.
3. They will understand the concept of Distance between Two Points in Three Dimensional Geometry.

Material:-Chalk, Duster, Board, Book, Classroom ,Formulae Book ,projector etc.

Engage:- To make the classroom environment suitable and to warm up students teacher will ask some question.

1. What is Axis?
2. What is the use of Axis?
3. How many Dimensions are required to draw any figure on a Board?
4. What is the difference between a square and a cube?

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

Explanation:-

1.Teacher will explain the topic by using laboratory method as well as inductive method.

2.Teacher will explain topic using real life examples. He will also explain it by using Models of Three Dimensional Figure like Cube, Cuboid, Sphere etc.

Explore:-Students will explore their knowledge by doing some questions . Teacher will give some examples to solve and also give some important formulae related to Three Dimensional Geometry.

Elaborate:-In this session the assignment sheet will be given as home work at the end of the topic and separate sheets which will include questions of logical thinking and Higher Order Thinking skills based questions will be given to the above average students.

Recapitulate:- Teacher will revise the important points related to the chapter.

Evaluation:-

1. Teacher will ask the students to try questions from exercise.
2. The oral test or written test will be conducted to evaluate the student's knowledge.

Sign of teacher sign of HOD