Class: 6th *Subject:* Science

Topic: Plant and Animal cell *Date:* 21-04-26

Duration: 40 minutes *Class Strength:* 50

Curriculum or & Book Name: Sindh textbook board Jamshoro

1. Specific Learning Objectives:

Students will be able to:

- Draw and label the basic structure of plant and animal cell
- List at least 2 differences between b/w plant and animal cell.
- Explain the function of at least 3 parts of a cell

2. Skills/Attitude: Observation, critical thinking, differentiation

3. Teaching Resources: Chalk, duster, Animal and plant cell model.

4. Classroom Management Rules & Strategy: Rules chart and clap twice to gain students' attention.

Teaching Method: Lecture, Demonstration

5. Procedure:

Initiation: The teacher will ask from students what will happen if we pour little drops of water in a glass?

Students response: "It will fill the glass of water"

Teacher tells students just like tiny drops make a glass of water. There are some tiny blocks that make our whole body. Teacher announces the topic.

Development: Cell: "A cell is the basic unit of life. Every plant and animal is made up of one or many cells"

Now teacher will paste av aid of animal and plant cell on board and one by one she will explain about different parts of both the cells and their differences. The teacher will use

same colours to represent similar components in both cells. The teacher lists the components of the cells.Animal cell has cell membrane, cytoplasm, nucleus, vacuoles, mitochondria. Plant cell has a cell wall which is absent in animal cell. Plant cells have larger vacuoles. It also has chloroplast giving green pigment to plants and helps make food by photosynthesis. Teacher will label the parts of the cell on the board.

Recapitulation: The teacher will repeat all the main points:

- Cell is the basic unit of life.
- Both plant and animal cell has a cell membrane.
- Plant cell has a cell wall while it is absent in animal cell.

Evaluation:

- The teacher will provide sheets and will ask students to draw a labeled diagram of any one of the cell.

6. Board Summary

Date:21-04-26 *Topic:* Plant and Animal Cell

Cell: "Cell is the basic unit of life"

Comparison Table:

Components	ANIMAL CELL	PLANT CELL
Cell membrane	Present	present
Cell wall	absent	present
chloroplast	absent	present
vacuole	Present (many small)	Present (one large)