

Delhi Public School Ghaziabad
Class XI
Biology
Lesson plan based on DOL
Chapter 7 – Structural Organisation in Animals

Unit	Structural Organisation in Animals and Plants (Ch. Structural Organisation in Animals)
Class Transaction	Total: 03 periods
Pre-requisite for the course	This lesson requires: • Basic knowledge of the tissues. • Basic knowledge of organs and organ systems
Assessment of qualifying knowledge	• Written test • Lab activity • Online quiz
Objective	To provide students with knowledge of the animal tissues, organs and organ systems.
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> <i>Important features of tissues</i> <i>Types of animal tissues</i> <i>Organs and organ systems</i> <u>SKILLS</u>- <i>Students would be able to</i> Understand how structures of tissues are correlated with functions of tissues. Competencies developed in students: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Transaction would proceed in the following manner- <i>Brain Storming</i>-The class would start with a discussion on what the students have already learnt in the previous classes and hence what is it that they would learn now. They would also be told the significance of the topic that they would be studying. <i>Introduction of the topic</i>- ppt and Digital Content would be shared <i>Guided practice followed by Independent Practice</i>- NCERT questions to be discussed in the classroom. Techniques to be used: Student - teacher interaction, collaborative learning, independent research, differentiated teaching, peer learning
Resources	NCERT text book, Reference Book, CBSE Exemplar, DPSG Spiral www.learncbse.in/cbse-notes/ https://mycbseguide.com www.examfear.com
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their spirals. It is also advised that the students come to the class with proper background knowledge of the topic under discussion. They can refer to the resources stated above.

Assessments	UNIT TESTS , HALF YEARLY EXAMINATION, ANNUAL EXAMINATION
Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For high scoring students:</i> Encouragement for referring other resources <i>For low scoring students:</i> Peer education, Provide grade-up classes, <i>For differently abled students:</i> Call parents at regular intervals, Provide PCC classes, Encourage and motivate them at every level.
Marks	Weightage of whole unit is 12 marks and is provided by CBSE.

Day 1:
a. Students will be shown a ppt and will be made aware of the animal tissues and classification of animal tissues.
b. Students will be told about the various types of junctions.
c. Students will be told about the types of epithelium.
Guided practice: DOL 1
a. Students will be made to draw diagrams to show different types of epithelium.
b. Students will be made to describe how structure of different epithelial cells is correlated with locations and functions of different epithelial tissues.
Summarize and check for understanding: DOL 2
a. Oral questioning based on the day's teaching.
Discussion on the topic in groups: specialization of connective tissues.
Communication, collaboration and brainstorming: Students develop effective communication skills and learn to put across their views.
Independent practice: DOL 3
a. Students will be asked to revise the work done in class.
b. Students will be asked to draw diagram to show difference between loose and dense connective tissues.

Day 2:
a. Students will be shown a ppt and will be made aware of the muscle tissue.
b. Students will be told about the neural tissue.
c. Students will be made aware of organ and organ systems.
Guided practice: DOL 1
a. Students will be made to recall types of muscles.
b. Students will be asked to draw diagram of a neuron.
c. Students will be asked to write functions of various organs in organ systems.
Summarize and check for understanding: DOL 2

a. Oral questioning based on the day's teaching
b. Discussion on the topic in groups – organ systems in multicellular organisms.
Communication, collaboration and brainstorming: Students develop effective communication skills and learn to put across their views.
Independent practice: DOL 3
a. Students will be asked to revise the work done in class.
b. Students will be asked to describe various organ systems in multicellular organisms.
c. Students will be asked to describe specialization of organ systems according to their functions.

Day 3:
a. Students will be shown a ppt and will be made aware of morphology of cockroach.
b. Students will be told about mouth parts of cockroach.
c. Students will be made aware of brief anatomy of cockroach.
Guided practice: DOL 1
a. Students will be made to write important features of cockroach.
b. Students will be asked to list all the mouth parts and their functions.
Summarize and check for understanding: DOL 2
a. Oral questioning based on the day's teaching
b. Discussion and presentation on the topic in groups – organ systems in cockroach
Communication, collaboration and brainstorming: Students develop effective communication skills and learn to put across their views.
c. Independent practice: DOL 3
a. Students will be asked to revise the work done in class.
b. Students will be asked to explain organ systems in cockroach.

Closure of the lesson
Summarizing the lesson by mind mapping
Giving them revision worksheets