

DELHI PUBLIC SCHOOL GHAZIABAD
CLASS – XI
LESSON PLAN
CHAPTER 4 – Animal kingdom

Unit	Diversity of Living Organisms (Chapter 4: Animal kingdom)
Class Transaction	Total: 3 periods
Pre-requisite for the course	This lesson requires 1. Basic knowledge of basis of classification. 2. Knowledge of need of classification. 3. Knowledge of invertebrates and vertebrates
Assessment of qualifying knowledge	1. Written test 2. Lab activity 3. Oral questioning
Objective	1. Students would be able to understand basis of classification, levels of organization, symmetry, diploblastic and triploblastic, classification of invertebrates and vertebrates, differences between chordates and non-chordates
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> a. Basis of classification b. Levels of organization c. Symmetry d. Diploblastic and triploblastic organisms e. Classification of organisms <u>SKILLS</u>- <i>Students would be able to</i> 1. Understand problems associated with classification of organisms 2. Understand broad classification of kingdom animalia based on common fundamental features. 3. Understand comparison of chordates and non-chordates 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: Quiz MCQ Peer Assessment Case Studies Lab Activities Any Other
Resources	Text Book: NCERT text book Reference Book 1. CBSE Exemplar 2. 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 INTERNAL ASSESSMENT - Practical – 30 marks
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> • High order thinking questions to be done • Encouragement for referring other resources <i>For low scoring students:</i> • Spiral questions • Peer education • PCC classes <i>For differently abled students:</i> • Call parents at regular intervals

	• Provide grade-up classes • Encourage and motivate them at every level.
Marks	The weightage of unit is 7 marks.

Day 1:
a. Students will be shown a ppt and will be made aware of basis of classification.
b. Students will be told about various levels of organisation.
c. Students will be told about broad classification of kingdom Animalia based on common fundamental features.
Guided practice: DOL 1
a. Students will be made to research on the different organisms to find out level of organisation.
b. Students will be asked to write different types of symmetry.
Summarize and check for understanding: DOL 2
a. Oral questioning based on the day's teaching
b. Discussion on the topic in groups–. Classification of kingdom Animalia
Communication: Involves sharing of ideas and information to advance scientific understanding, processes, theories and discoveries
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 research on classification of kingdom Animalia.

Day 2:
a. Students will be shown a ppt and will be made aware of classification of invertebrates.
b. Students will be told about various important features of different Phylums of invertebrates.
Guided practice: DOL 1
a. Students will be made to recall important features of different Phylums of invertebrates.
b. Students will be asked to list all the Phylums of invertebrates.
c. Students will be asked to write the basis of classification of invertebrates.
Summarize and check for understanding: DOL 2

a. Oral questioning based on the day's teaching
b. Discussion on the topic in groups – Increasing complexity of organisms as we move up the hierarchy.
Communication and brainstorming: Students develop effective communication skills and learn to put across their views.
Critical thinking and problem solving: Helps students to think critically and solve the given problem
Collaboration, Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others
Independent practice: DOL 3
a. Students will be asked to revise the work done in class.

Day 3:
Students will be shown a ppt and will be made aware of classification of invertebrates.
Students will be told about various important features of different Phylums of invertebrates.
Guided practice: DOL 1
Students will be made to recall important features of different Phylums of vertebrates.
Students will be asked to list all the Phylums of vertebrates.
Students will be asked to write the basis of classification of vertebrates.
Summarize and check for understanding: DOL 2
Oral questioning based on the day's teaching
Discussion on the topic in groups – Importance of jaw bones and limbs in classification of vertebrates.
Communication and brainstorming: Students develop effective communication skills and learn to put across their views.
Critical thinking and problem solving: Helps students to think critically and solve the given problem
Collaboration, Character and citizenship: Group discussion helps to develop interpersonal skills, respecting and valuing views of others
Independent practice: DOL 3
Students will be asked to revise the work done in class.

Closure of the lesson

Summarizing the lesson by mind mapping
Giving them revision worksheets