

Delhi Public School Ghaziabad
Class XI
Biology
Lesson plan based on DOL
Chapter 1 – The Living World

Unit	Diversity of Living Organisms (Chapter 1: The Living World)
Class Transaction	Total: 02 periods
Pre-requisite for the course	This lesson requires: • Basic knowledge of living and non-living. • Basic need of classification of organisms • Biodiversity and binomial classification
Assessment of qualifying knowledge	• Written test • Lab activity • Online quiz
Objective	To provide students with knowledge of living and non-living, biodiversity; need for classification; three domains of life; taxonomy and systematics; concept of species and taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy, zoological parks, herbaria, botanical gardens.
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> Need for classification Three domains of life Taxonomy and systematics Concept of species and taxonomical hierarchy Binomial nomenclature Tools for study of taxonomy <u>SKILLS</u>- <i>Students would be able to</i> Understand and differentiate between living and non-living. Group organisms on the basis of similarities and differences.
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. (communication) Techniques to be used: Student - teacher interaction, collaborative learning, independent research, differentiated teaching, peer learning Competencies: collaborative learning, critical thinking and problem solving, character building, communication, citizenship
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	Whole unit is of 7 marks.

Day 1:
a. Students will be shown a ppt and will be made aware of living and non-living.
b. Students will be told about the need of classification.
c. Students will be told about the biodiversity and binomial classification.
Guided practice: DOL 1
a. Students will be made to list differences between living and non-living.
b. Students will be asked to find out various ways of classification of organisms.
Summarize and check for understanding: DOL 2
a. Oral questioning based on the day's teaching
b. Discussion on the topic in groups– basis and importance of classification.
<u>Communication: involves sharing of ideas and information to advance scientific understanding, processes, theories and discoveries</u>
<u>Collaboration</u>
Independent practice: DOL 3
a. Students will be asked to revise the work done in class.
b. Students will be asked to research on similarities and differences among different groups of plants and animals.
<u>Critical thinking</u>

Day 2:
a. Students will be shown a ppt and will be made aware of various tools of taxonomy.
c. Students will be told about the method of using taxonomic key for identification of

organisms.
Guided practice: DOL 1
a. Students will be made to recall rules of binomial classification system.
b. Students will be asked to write important botanical gardens and museums in India.
c. Students will be asked to list all taxonomy tools and write their importance.
Summarize and check for understanding: DOL 2
a. Oral questioning based on the day's teaching
b. Discussion on the topic in groups – diversity and classification of organisms.
<i>Communication and collaboration: Involves sharing of ideas and information to advance scientific understanding, processes, theories and discoveries</i>
<i>Communication and brainstorming: Students develop effective communication skills and learn to put across their views.</i>
Independent practice: DOL 3
a. Students will be asked to revise the work done in class.
b. Students will be asked to list all taxa of taxonomical hierarchy.

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