

TELTA-21 Lesson Plan

School Name: BMC School

Name of the Teacher: Quresha Ansari

Subject: Science

Class: 7th

Chapter Name: The Living World : Adaptations and Classification

Pre knowledge required : Students must know about climate , mangrove forest (in City and native place) , scientific name/ family .

Learning Objective of the lesson:

- Students can understand the adaptation of plants and animals, and they can analyze the differences between other regions' / countries animals and plants.
- Using spreadsheet, they will compare mangrove forests area in India across states.
- They will also attempt to find the family / scientific names of plants and animals in our surrounding area
- They will also try to relate to occurrence of mangrove in Mumbai versus in their native villages.
- Finally they will use ppt to bring all their research work and findings in one presentable format, they can also use various images, audio and video of different species

Sub-Topic	Specific Objective	Activities students will do	Which 21st century skills to be developed in students through the activity?	What will students create/project using ICT	ICT Application students will use to create the project	Levels of Bloom's Taxonomy students can reach through the activity	Theory of Learning teacher will use in this lesson
		Students will give Pre Quiz, They will use their Login ID and Password in Leap portal to Attempt the quiz					
		Discussion about Adaptation and Needs for Adaptation, Students will be asked to search for Polar NBears and Tropical Bears, and identify the differences and reasons for the same. The Discussion will also lead to differences not only in animals but in plants as well, followed by asking students about any plant / trees near sea / creek that we see in Mumbai and not in their villages?					
	<ul style="list-style-type: none"> Students can understand the adaptation of plants and animals, and they can analyze the differences between other regions' / countries animals and plants. 	Students will be told a brief story about "Sheela, who watches the Animals and plants found in deserts, snowy, and forest regions all have different structure, shapes, etc." and will be asked to identify the differences between plants and animals across geographies.	Communication happens because students work with groups of students.	They will use ppt to put images and information about differences in plants and animals across varied geographies. Also Common plants and animals found in the mangrove ecosystem in each region.	ppt		
The Living World : Adaptations and Classification	Using spreadsheet, they will compare mangrove forests area in India across states and how important are Mangroves to us	In Mumbai, mangrove forests are found, where you can find and tell about its root type, characteristics of leafs, stem, and habitat. Students will find out mangrove coverage across different states.	Communication happens because students work in groups of students	Students will use internet to search about mangrove forest and its coverage and across state along with a graph about the mangrove forest in India across states.	spreadsheet	here, students are making an <i>understanding</i> , making a sense adaptation in animals and plants. <i>Analyzing</i> the exploring the differences between other regions animal and plant	<i>Connectivism</i> here students connect local area's with project Learning objective .
		Students will be asked a follow up question, whether mangroves hold any importance or is it okay to remove them	Critical thinking is developed while researching about importance of the Mangrooves and also observing mangrove tree have specialized root structure as compared to other trees.	Students will search from internet as well as interview teachers /parents about importance of Mangrooves, Also How will removal or Mangrooves affect us		Analyzingand Evaluating, students analysed and evaluating the mangrooves strenght, body structure compare with others tree, and explain their answers.	
	<ul style="list-style-type: none"> They will also attempt to find the family / scientific names of plants and animals in our surrounding area 	Some examples of organisms from the Kingdom Plantae and Animalia classified by the binomial method of nomenclature	Communication: Effectively conveying ideas and information, both orally and in writing.	searching the scientific name of the kingdom Plantae and the kingdom Animalia.	ppt	Remembering the name and family of kingdom	
	<ul style="list-style-type: none"> Finally they will use ppt to bring all their research work and findings in one presentable format, they can also use various images, audio and video of different species and also integrate the Spreadsheet 	Students will bring all their findings together, including the spreadsheet and merge with the ppt they have made, and organise the order of the presentation with the links and sources that they have used to collect data and do other research work		students merge spreadsheet and ppt .	spreadsheet merge with ppt		
		Students will give a Post-Quiz. They will use their Login ID and Password in the Leap Portal to attempt the quiz					