

TISS CETE							
Name of the Teacher: Sajjad							
Subject: General Science							
Class: 6th							
Pre Knowledge required : Students should know about Land, water and air.							
Learning Objective of the lesson:							
<ul style="list-style-type: none"> • Create a project using spreadsheet to organize and analyze existing data sets about the use and preservation of natural resources. • Understand and explain the importance of natural resources for human life and the environment. • Identify and explore different types of pollutants that negatively affect natural resources such as air, water, and soil. • Evaluate basic preventive measures individuals and communities can take to conserve natural resources. • Reflect on personal actions leading to affect the natural resources negatively in daily life. 							
Chapter Name:	Natural Resources - Air, Water and Land						
Sub-Topic	Specific objectives	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
Natural Resources	To understand and explain the importance of natural resources for human life and the environment.	1. Students will do a pre-quiz on natural resources—land, water, and air. After the quiz, they will participate in a group discussion and create a mind map introducing the topic, covering its importance, uses, pollutants, and conservation. use, misuse,	Critical Thinking communication	Mind map using pen and paper if possible students will use draw.io or spreadsheet later.		analyse	
	Reflect on personal actions leading to affect the natural resources negatively in daily life.	Students will create a list by identifying their daily activities at home, school, or in their surroundings that affects the natural resources.		Students will make a table with columns 'Place', 'Activity', and 'how its polluting the nature'.			
	Identify and explore different types of pollutants that negatively affect natural resources such as air, water, and soil.	Different groups will select different Natural resources to work on. 2. Students who selected Land will collect data each day and record the amount of waste they generate in a table, classifying it as either dry or wet waste. Then, they will create a graph showing the proportions of waste that can be recycled, reused, or composted. Also they will identify various Natural resources being affected 3. Students who selected Water will explore different water bodies in Maharashtra and identify their sources of water supply. They will calculate how much water they use in daily life and determine the endpoint of each drainage system. Finally, they will propose preventive measures to protect and conserve these water bodies. 4. Students who selected Air will identify different components of air and create a table measuring how much air pollution results from their daily activities.		Students will create a table with columns 'Dry waste weight in kg', 'Wet Waste weight in kg', 'waste recycled in kg', 'waste reused in kg' and 'waste composed in kg'. Students will insert a graph depicting the data.	Spreadsheet	evaluation	
	Evaluate basic preventive measures individuals and communities can take to conserve natural resources.	Finally, they will explore preventive measures to reduce pollution of identified natural resource and work in their groups to propose an action plan to reduce the pollution on effected natural resource. They will also take survey of various people within their school to assess the viability of the suggested [preventive measure.		Students will use Internet Search and use multiple resources to identify viable solutions to reducing the pollution for identified te affected Natural resource. To Perform the survey about assessing the effectiveness / viability of the suggested preventive measures students will do a survey using google form among their friends teachers and parents	Internet Search Spreadsheet Google Form		
		5. Students will present their project with their individual group and do the post quiz on the given topic.					