School Name:	CETE,TISS
Name of the Teacher:	Munawwar Bi
Subject:	Geography
Class:	7th

Pre knowlegde required :   Basic knowelege Parts of a plant: root, stem, leaf, flower, fruit, seed

Learning Objective of the lesson:
student will be Recognize that food comes from plants and animals, and identify how agriculture provides materials for clothing (cotton, wool, silk).
Students will be able to identify and classify different types of agricultural practices, including plant-based, animal-based, and horticulture/floriculture.
Students will be able to identify and compare the major crops grown in different regions of Maharashtra such as rice, wheat, sugarcane, maize, and cotton.
Students apply their knowledge of food, crops, and clothing sources.

Chapter Name:	Agriculture	

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
		Studentds will give Pre Quiz, They will use their Login ID and Password inbackup Leap portal to Attempt the quiz					
Introduction to Agriculture	Students will be able to explain the meaning and importance of agriculture in their own words.	Students participate in a group discussion and create a mind map introducing the topic, 1.which food you eat ? 2.Where do we get food from?3. what type of clothes are you waearing right now?where does the cloth come from?what is area ,unit, square km, acre? What type of agriculture is beekeeping and mushroom farming? (reverse question)if required more question you can add the questions.	Research Skills, Critical Thinking	student create mind map in the slides/paper/blackboard	Mind map using pen and paper	Remember, Understand, Apply	Constructivism (students explore and build knowledge
Agriculture Importance Activity	Students understand the role of agriculture in economy, food, and clothing.	Make groups of students who will search the internet for information on agriculture and its importance. They will create a PowerPoint presentation using relevant images and text.	Knowledge & Understanding	students will add a slide on meaning and importance of agriculture	ppt	Understand, Apply	
Types of Agriculture (Plant-based)	Students learn about plant-based agriculture in Maharashtra.	Different groups will select different types of agriculture to work on. 1.Students who choose **plant-based agriculture** will research that topic and create a PowerPoint presentation. They will also research about plant-based agriculture practiced in various regions of Maharashtra and record their data on a spreadsheet. Students will prepare a table showing different types of crops grown in different regions of Maharashtra along with the area (in hectares) under cultivation. and they will insert the graph from the spreadsheet into their Ppt. Students will try to compare the production for last 2-3 years and find out average production for the crops.	Data analysis, ICT skills, Collaboration, Critical thinking	students will research and compare the data of production of crop for last 2-3 years and find out the average production of the crops, they will fill all the information in spreadsheet.	google sheet, ppt	Understand, Apply, Analyze	Constructivism (Project-based research)

Types of Agriculture (Animal-based)	Students learn about various animal husbandry practices.	Different groups will select different types of agriculture to work on. 2. Students who choose **animal husbandry** based agriculture will research that topic and create a PowerPoint presentation. Students will research how different products obtained from animals are used in animal husbandry and where these products come from. For example: *Poultry farming involves obtaining eggs from chickens. * Sericulture involves producing silk from silkworms.(Explain the process of sericulture and describe how 1 meter of silk cloth is produced, including its estimated cost) * Pisciculture involves rearing fish for food. Create a small business plan (egg farm, dairy farm, fish farm, etc.and clearly show the requireemnts, costing and profit margin.		Students will create a small business plan on animal husbandry (poultry farm, dairy farm, sericulture, pisciculture, etc) with the help of spreadsheet. They will collect data on animals needed in the animal husbandry, their accomodation, cost, revenue generated. They will clearly show the requireemnts, costing and profit margin.	PPT	Understand, Analyze	
Types of Agriculture (Horticulture/Floriculture)	Students identify major fruit and flower growing regions in Maharashtra.	.Different groups will select different types of agriculture to work on 3.Students who choose **horticulture or floriculture (fruit ,vegetable, mushroom,flower-rose)** will research that topic and identify the regions in Maharashtra that produce large quantities of fruits and flowers. They will create a spreadsheet with the following columns: Region, Crop/Flower, Production (in tonnes), Area (in hectares), and Farming Techniques. Students will also prepare maps of Maharashtra showing the major fruit-producing regions (e.g., Nashik, Jalgaon, Satara) and flower-producing regions (e.g., Pune, Nashik, Satara). They will include the Maharashtra map in their project to highlight these regions.		Students will study horticulture and floriculture in Maharashtra. They will find regions that grow many fruits and flowers. They will make a table with Region, Crop/Flower, Production (in tonnes), Area (in hectares), and Farming Methods. They will resarch and compare the data of of horticulture and floriculture for the last 2-3 years using spreadsheet.	spreedsheet/ppt		Constructivism (Hands-on mapping & analysis)
		Students will give presentention and a Post-Quiz. They will use their Login ID and Password in the backup Leap Portal to attempt the quiz					
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