Lesson Plan

	Lesson Pla	an	
Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name:		Week: 3	Day: 1
Chapter 8: Structur	e of the Earth	Topic: Soil	
Students Learning	Outcomes:		
At the end of this pe	riod, the students will be	able to:	
Investigate the	composition and characteristic	cs of different soils.	
Resource Materials	:		
	/blackboard, Science Textb	ook, Worksheet	
Warm-up Activities	5mins		
	e lesson, ask students to sa	• •	
	you know about physic	al states of water	? Wait for their
responses.			
Teaching and Learn	-		25mins
 Write down th 	e topic name 'soil' on boa	rd.	
 Tell the studer 	nts today we will learn abo	ut soil.	
 Tell students s 	oil is the uppermost layer	of the Earth.	
 It is very impo 	rtant for living things. For p	plants it provides n	utrients and
	plant strongly.	•	
	evelop inside soil.		
	helter to many small anim	als and insects such	as moles rats
•	slugs, etc. They, in turn, he		
	crops in soil. They live at d		
-	tudents about weathering.	•	ind.
	ocks break into smaller pa		raine strong
	nd heat of the sun. This pro		_
• Ask the stude	nts to open their textbooks	and do the activity	y. 3mins
	nta about coil		5111115
Explain the main poi	nis about son.		Emine
Evaluation:	anding of students ask the		5mins
	anding of students, ask the		
What is weath	ering?		
• What is soil?			
Homework:			2mins

Homework:

Ask students to learn the topic. And solve the given worksheet.

Worksheet

Q1. Ans i)	wer the following questions. What is soil?
ii)	Why is soil important?
iii)	What makes soil more fertile?
iv)	What is weathering?
v)	What is humus?

Lesson Plan Grade: Five Subject: Science Term: 3rd Time: 40min **Teacher's Name: Week:** 3 **Day:** 2 **Topic:** Characteristics of the Soil **Chapter 8:** Structure of the Earth **Students Learning Outcomes:** At the end of this period, the students will be able to: Investigate the composition and characteristics of different soils. **Resource Materials:** Chalk/marker, white/blackboard, Science Textbook, Warm-up Activities: 5mins Before beginning the lesson, ask students to say "Tasmiya." Ask them: What do you know about soil? Wait for their responses. **Teaching and Learning Activities:** 25mins • Write the topic name 'Characteristics of the Soil' on the board. Tell the students today we will learn about the Characteristics of the Soil. • Tell students soil varies from place to place. The variation in soils is due to presence of humus, size of particles, water holding capacity, etc. • **Colour:** Soils have a wide range of colours. Colour tells us what is present in soil. Soils high in organic matter are dark brown or black in colour while soils high in iron are deep orange brown to yellowish brown in colour. Dark coloured soils absorb more sunlight and encourage seed for germination and crop growth than light coloured soils. • **Texture:** Take a fistful of soil in your hand and squeeze it. What did you feel? It may be soft or sticky. Texture describes the size of particles in the soil. Water holding capacity: Different soils have different capacity to hold water depending on size of its particles. It also affects the growth of the plants. Sandy soil does not hold much water while clayey soil absorbs a lot of water. • We can check moisture in the soil by taking some soil in hand. • If it is completely dry, it has no water. If it forms a ball and breaks apart after dropping on ground, it has a medium quantity of water. • If it leaves a wet outline on your hand, it has a lot of water.

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Review:	3mins
Explain the main points about characteristics of the soil.	
Evaluation:	5mins
To check the understanding of students, ask them:	
 What are characteristics of soil? 	

What does colour of soil tell?

- What is water holding capacity?What is texture?

Homework:

Ask students to learn the topic.

2mins

Lesson Plan Term: 3rd Grade: Five Subject: Science Time: 40min **Week:** 3 **Teacher's Name: Day:** 3 Chapter 8: Structure of the Earth **Topic:** Types of Soil **Students Learning Outcomes:** At the end of this period, the students will be able to: Identify similarities and differences among the different types of soil. **Resource Materials:** Chalk/marker, white/blackboard, Science Textbook Warm-up Activities: 5mins Before beginning the lesson, ask students to say "Tasmiya." Ask them: What do you know about characteristics of soil? Wait for their responses. **Teaching and Learning Activities:** 25mins Write the topic name 'Types of Soil' on the board. • Tell the students today we will learn about types of soil. • Tell students different types of soils are found at different places. Soils can be: Sandy soil Silty soil Clayey soil • Explain the types of soil one by one. Now write 'Sand' on the board. • Bring sand to the class and show it to students. Ask them to feel its texture and observe its colour. Let them respond. Tell students sand is usually light in colour. It feels coarse and does not stick with your hands even after getting moist. • Its particles are bigger in size. • Sand does not hold water that's why plants roots cannot grow well in it. It is usually found in deserts or near the seas. **Review:** 3mins Explain the main points about the types of soil. **Evaluation:** 5mins To check the understanding of students, ask them: What are types of soil? What are characteristics of soil? Homework: 2mins Ask students to learn the topic.

	Lesson Pla	an	
Grade: Five	Subject: Science	Term: 3 rd	Time: 40min
Teacher's Name:		Week: 3	Day: 4
Chapter 8: Structur	e of the Earth	Topic: Types of S	Soil
Students Learning	g Outcomes:		
At the end of this pe	eriod, the students will be	able to:	
-	ties and differences among th	e different types of so	Ι.
Resource Materials			
	/blackboard, Science Textb	ook, Worksheet	
Warm-up Activities		<i>"</i> •	5mins
	e lesson, ask students to sa		
	the types of soil? Wait for	their responses.	
Teaching and Learn	•		25mins
-	ic name 'Types of soil' on t		
Tell the stude	nts today we will learn abo	ut the silty soil and	clayey soil.
 Now write 'Sil 	t' on the board.		
 Bring silt to th 	e class and show it to stud	ents. Ask them to fe	el its texture
and observe it	ts colour. Let them respond	ł.	
 Tell students s 	silt is usually brown or dark	s brown.	
 It has smooth 	texture and feels sticky.		
 Its particles ar 	e smaller than sand particl	es.	
• Due to small s	ize of particles it retains m	ore water content t	han sandy soil.
• Therefore, it is	s best for agricultural purp	oses and farming.	
• It is usually for	und in flood plains.		
Now tell them	about clayey soil.		
	are very fine in size.		
 It is sticky whe 	•		
•	nold its shape after drying.	So it is good for ma	king pots and
•	t good for plant growth.		
	nts to open their textbooks	and do the activity	
Review:			3mins
		soil.	
Evaluation:	nts about the types of the		
- I I II I I	nts about the types of the		5mins
To check the undersi		em:	5mins
	tanding of students, ask the		5mins
• Why is silty so	tanding of students, ask the il suitable for farming and		5mins
• Why is silty so	tanding of students, ask the		5mins 2mins

Worksheet

Q1. Write the types of soil?

1	
2	
3	
Fill in the information about types of soil.	
Silty Soil	
Found in:	
Texture:	
Colour:	
Water holding capacity:	
Sticky/Unsticky:	
Sandy soil	
Found in:	
Texture:	
Colour:	
Water holding capacity:	
Sticky/Unsticky:	
Clayey Soil	
Found in:	
Texture:	
Colour:	
Water holding capacity:	
Sticky/Unsticky:	

Lesson Plan

Grade: Five

Teacher's Name:

Chapter 8: Structure of the Earth

Topic: Similarities and Differences among Different Types of Soil

Students Learning Outcomes:

At the end of this period, the students will be able to:

• Identify similarities and differences among the different types of soil.

Subject: Science

Resource Materials:

Chalk/marker, white/blackboard, Science Textbook

Warm-up Activities:

Before beginning the lesson, ask students to say "Tasmiya".

Ask them: What do you know about silty soil and clayey soil? Take their responses. Appreciate them for good response.

Teaching and Learning Activities:

- Write the topic name 'Similarities and Differences among different types of soil' on the board.
- Tell the students today we will learn about the differences and similarities of types of soil. Tell them about one by one.
- Sandy Soil: It consists of bigger particles and large air spaces among them.
- It cannot hold water and nutrients. Only used for making glass.
- Clayey Soil: It consists of tiny particles.
- It is soft and sticky.
- It has tiny air spaces and can hold water.
- It is used for bricks and pottery.
- While silty soil consists of medium sized particels.
- It is smooth and has fine texture. It has tiny air space and can hold more water. It is useful for plants growth.
- Similarities: Air space are present among the particles of each type of soil.
- Ask the students to open their textbooks and read the contents.

Review:

Explain the main points about Similarities and Differences among different types of soil.

Evaluation:

To check the understanding of students, ask them:

What is the difference between sandy soil and clayey soil?

Homework:

Ask students to learn the topic.

Term: 3rd

Week: 3

5mins

25mins

Time: 40min

Day: 5

5mins

2mins

3mins