	Lesso	on Pla	n	
Grade: Five	Subject: Scient	ce	Term: 2 nd	Time: 40min
Teacher's Name:	Teacher's Name:		Week: 7	Day: 1
Chapter 6: Light an	nd Sound	Торі	c: Reflection of Light	
Objective(s):				
At the end of this p	eriod, the students	will be a	able to:	
Demonstrate t	hat shiny surfaces refle	ect light b	etter than dull surfaces	.
Resource Material	s:			
Chalk/marker, white	e/blackboard, Scienc	e Textbo	ook	
Warm-up Activitie	S			5mins
	e lesson, ask studen		=	
Ask them: What do	you know about sha	dows? V	Vait for their respons	es. Appreciate
them for good resp				
Teaching and Learn	ning Activities:			25mins
 Write the top 	oic name 'Reflection of	of Light'	on the board.	
 Tell the stude 	ents today we will lea	arn abou	ut reflection of light.	
 Tell students 	light travels from a l	uminou	s object.	
Reflection of	Light: The phenome	non of	bouncing back of ligh	t rays after
striking the su	urface of an opaque	object i	s termed as reflectio	n of light.
• Tell students	reflection helps us to	o see th	ings.	
• When light bo	ounces off from a su	rface an	d reaches our eyes, v	we become
able to see th	lat surface.			
• There is no re	eflection in dark, that	t's why	we cannot see in dar	k.
	some surfaces reflect	-		
• If the surface	is smooth and shinv	. like mi	rror or polished, me	tal. the light
	ct at the same angle			, 0
	regular reflection in			
	•		npolished or dull, sur	face such as
	floor etc., the light re			
-	-		and do the activities	
	vork and appreciate t			•
Review:			i Bood Work.	3mins
	ints about reflection	of light		511115
Evaluation:		i or ngin	•	5mins
	standing of students,	ask the	m.	511115
What is reflect	-			
	eflecting surfaces.			
Homework:	cheeting surfaces.			2mins
Ask students to lear	n the tonic			2111113

Lesson Plan Term: 2nd Grade: Five Subject: Science Time: 40min **Teacher's Name:** Week: 7 **Day:** 2 Chapter 6: Light and Sound **Topic:** Sound **Objective(s)**: At the end of this period, the students will be able to: Describe and demonstrate how sound is produced by a vibrating body. • **Resource Materials:** Chalk/marker, white/blackboard, Science Textbook, Worksheet Warm-up Activities 5mins Before beginning the lesson, ask students to say "Tasmiya." Ask them: What do you know about reflection of light? Wait for their responses. Appreciate them for good responses. **Teaching and Learning Activities:** 25mins • Write the topic name 'Sound' on the board. Tell the students today we are going to learn about sound. • Tell students we hear different sounds. Some of them are high while some are low. • Have you ever thought how they are produced? Let them respond. • Tell students sound is a form of energy that is produced when something vibrates. Vibrations are back and forth movement of particles. When an object vibrates, it causes the air particles to move. These air particles bump into each other continuously. • This continuous bumping produces a sound wave. These sound waves reach our ears and we hear them as sound. • Some sounds such as chirping of birds and sound produced by music instruments are pleasant to hear. Some sound such as honking of vehicles, ringing school bells, working loud speakers etc., are unpleasant sounds. Ask the students to open their textbooks and do the activity. **Review:** 3mins Explain the main points about sound. **Evaluation:** 5mins To check the understanding of students, ask them: • What is sound? What are vibrations? Homework: 2mins

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

Worksheet

Q1. Define vibration.

Q2. What is sound?

Q3. What is sound wave?

Q4. How is sound produced?

Q5. Differentiate between pleasant and unpleasant sounds.

	Le	sson Pla	n	
Grade: Five	Subject: Sc	cience	Term: 2 nd	Time: 40min
Teacher's Name:	:		Week: 7	Day: 3
Chapter 6: Light and Sound Topic: Speed of sound, Intensity of Sound				nsity of Sound
Objective(s):				
At the end of this p	eriod, the stude	nts will be a	ble to:	
Define and deserved	cribe the intensity	of sound wit	h examples.	
Resource Materials	5:			
Chalk/marker, white		ence Textbo	ook, Worksheet	
Warm-up Activities				5mins
Before beginning the		-	•	
Ask them: What is s		produced? \	Wait for their respo	
Teaching and Learn		- ··		25mins
•	ic name 'Speed o			
 Tell the stude sound. 	nts today we wil	ll learn abou	it speed of sound a	ind intensity of
 Tell them, first we will discuss about speed of sound. Speed of a sound wave depends on the type of medium through which it travels. 				
•	travel the fastes		-	
	travel the slowe		·	
		•	ed by the density, t	emperature
	tensity of sound	' on the boa	rd.	
	1		h can differentiate	different
	nds have differer	nt intensitio	c	
			s. Ilitude of the sound	d distance from
•	d the surface are	-		a, distance nom
 It is measured 			ng bouy	
		sitios will be	e louder and vice v	orso
			erupting volcano.	c13a.
Review:	to open their tex	CLOOOKS and	uo activity.	3mins
Explain the main po	ints about intens	sity of source	and speed of sour	
Evaluation:	into about intens	Sity of Sound		5mins
To check the unders	tanding of stude	nts, ask the	m:	
	sity of sound?	,		

- How is intensity of sound measured?
- On what factors intensity of sound depends?

Homework:

Ask students to learn the topic, and solve the given worksheet.

Worksheet

Write the factors on which speed of sound depends.

1.	
5.	
What	is sound?
	is intensity of sound?
Facto	rs on which intensity of sound depends:
1.	

		Lesson Plai	า	
Grade: Five	Subjec	t: Science	Term: 2 nd	Time: 40min
Teacher's Name:	Teacher's Name:		Week: 7	Day: 4
Chapter 6: Light and	l sound	Topic: Speed o	of Sound in Solids, Lic	uid and Gases
Objective(s):				
At the end of this pe	riod, the st	udents will be al	ole to:	
• •		hrough which sou		
		differs in solids, liq	uids and gaseous medi	um.
Resource Materials		Science Taytha	alt	
Chalk/marker, white/ Warm-up Activities	DIACKDOALO	, Science Textbo	JK	5mins
Before beginning the	lesson ask	students to sav	"Tasmiya "	5111115
Ask them: What do y		-	-	ir responses
Teaching and Learni		-		25mins
	-		gh solids, liquids and	
the board.			0	0
• Tell students se	ound waves	s can travels thro	ough all mediums (so	lids, liquids
and gases).				
• The speed of s	ound varies	in different med	diums.	
• It travels the fa	astest in sol	ids because the	particles of solids are	e closer and
transfer of ene	ergy from pa	article to particle	is easier and faster.	
 It travels the sl 	owest in ga	ses because par	ticles are far apart in	gases and
transfer of ene	ergy is slowe	er.		
Tell students set	ound energ	y travels about f	our times faster in w	ater than in
air.				
-		is 343 meters pe		
		-	vacuum' on the boa	rd.
		r or any matter.		
			s there is no particle	
		•	use it needs particle	s to transfer
		not have any par	ticle.	
• So, we cannot	-	-		
-			nnot hear anything in	-
•	-		ace, we cannot hear	
 Lots of explosion students why? 		-	t we cannot hear the	2111. ASK
•		•	en the Sun and earth	
		r textbooks and		
Review:	s open their			3mins

Explain the main points about how sound waves travel in solids, liquids and gases.

Evaluation:

To check the understanding of students, ask them:

- How sound waves travel?
- Does sound need a medium to travel?
- Why cannot sound travel in vacuum?

Homework:

Ask students to learn the topic.

2mins

Grade: Five Sub	ject: Science	Term: 2 nd	Time: 40min
Teacher's Name:		Week: 7	Day: 5
Chapter 6: Light and Sound	Topic: Noi	se Harmful Effects	of Noise on
	Human Hea	alth	
Objective(s):			
At the end of this period, the	students will be a	ble to:	
Define noise and its harm	ful effects on human	health.	
Resource Materials:			
Chalk/marker, white/blackboa	ard, Science Textbo	ok, Worksheet	
Warm-up Activities			5mins
Before beginning the lesson, a	-	•	
sk them: How sound travels		nediums? Wait for th	•
Teaching and Learning Activ			25mins
• Write the topic name 'I	Noise and Harmful	Effects of Noise on H	Human
Health' on the board.			
 Tell students sounds ar 			
 Some vibrations have r 		_	-
 Vibrations that have replaced 		•	
sounds are good to hea	-		
 Vibrations that have irregular pattern produce unpleasant sounds. 			
Unpleasant sounds are	bad to hear.		
Examples include honk	ing of vehicles, thu	ndering of clouds, ri	nging of
school bells, etc.			
Noise: Unpleasant sour			
 Different unpleasant so 	ounds in environme	ent cause noise pollu	ition.
 Now write 'Harmful eff 			
 Tell students noise poll 	ution has adverse	effects on humans a	s well as
animals.			
 It can cause sleep disor 	ders in humans.		
 It can cause hearing pro 	oblems.		
It can also cause heart	problems.		
 It causes distraction with 	thin navigation sys	tem of animals that	use sound for
travelling.			
travelling.			
travelling.It disturbs during study			3mins

Evaluation:

To check the understanding of students, ask them:

- What are pleasant sounds? Give examples.
- What are unpleasant sounds? Give examples.
- What is noise?
- What are effects of noise on human health?

Homework:

2mins

Ask students to solve the given worksheet. Write the answer of Q2 (v) of Exercise in their notebooks.

5mins

Worksheet

Q1. Look at the list and separate pleasant and unpleasant sounds.

Blowing wind	Thunder	Bomb	Sound of	Bang
		explosion	piano	
Whispering	Cat's meow	Roar	Веер	Honk

Pleasant sounds	Unpleasant sounds

List some effects of noise pollution from your surroundings.

1.	
2.	
3.	
4.	
5.	