

ARBOR INTERNATIONAL SCHOOL

E-Learning module/file



GRADE: VI

MONTH/WEEK/DATE: March / **Week-5/** **Date- 28--3- '22 to 1-4-'22**

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM

Notes for the parents:

- Dear parents, we hope that this learning module for the week serves its purpose with regards to student's understanding and learning.
- The learning content for the week is attached day wise in this module to facilitate learning for your ward.
- For better clarity, kindly zoom the content.
- You can enlarge the content by clicking on the right bottom corner of the screen where the zoom option is given.
- Please refer to the page numbers of the text book mentioned in the module for the learning content which is mentioned in the day wise planning. E-content is attached in the module as well.
- Important notes for the chapter are attached with the learning module and the student must go through those for revision of the concepts.
- By the end of the chapter, the students should be able to understand the following:

- 1. *Luminous & non-luminous objects***
- 2. *transparent , translucent and opaque objects***

Thank you

MS. AGNEL NEELAM

ARBOR INTERNATIONAL SCHOOL

E-Learning module/file



GRADE: VI

MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM

Kindly refer page no- 206- 211 - Ls. Light, Shadows & Reflection

<u>DAYS</u>	<u>TOPIC</u>
<u>DAY - 1</u> <u>Page No. 206-207</u>	<u>Lesson 13: Light, Reflection & Shadows</u> ● <u>Introduction of light</u> ● Explanation on ➤ Luminous and non-luminous objects
<u>DAY-2</u> <u>Page No. 208-211</u>	<u>Lesson 13: Light, Reflection & Shadows</u> ➤ Transparent, translucent and opaque objects

CONTENT - Day 1

Objectives:

- Children brainstorm on "What is light?"
- To familiarize children with the terminology related to light.
- To make children understand the concepts of luminous and non-luminous objects of the lesson.

GRADE: VI

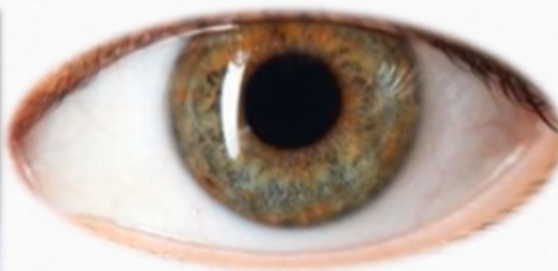
MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM

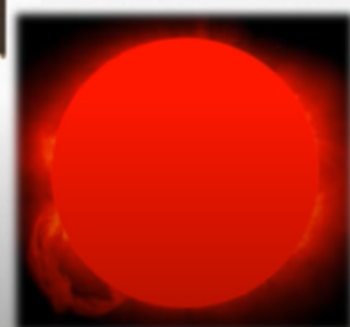
What is light ?

- Light is an **invisible energy** which causes a **sensation** of **vision** in us.
- Light is invisible, we can see it because when it **falls** on a object and it **bounces** off and **enters** our eye then the **sensation** produced by this energy helps our brain to **see**.
- Light **always** travels in a **straight line**



What are luminous objects ?

- The bodies which **emit light energy** themselves are called **Luminous bodies**
- **SUN** is the **main source** of light for planet Earth
- Ex :- Lighted candle, torch bulb, Sun, Stars and fireflies.



ARBOR INTERNATIONAL SCHOOL

E-Learning module/file

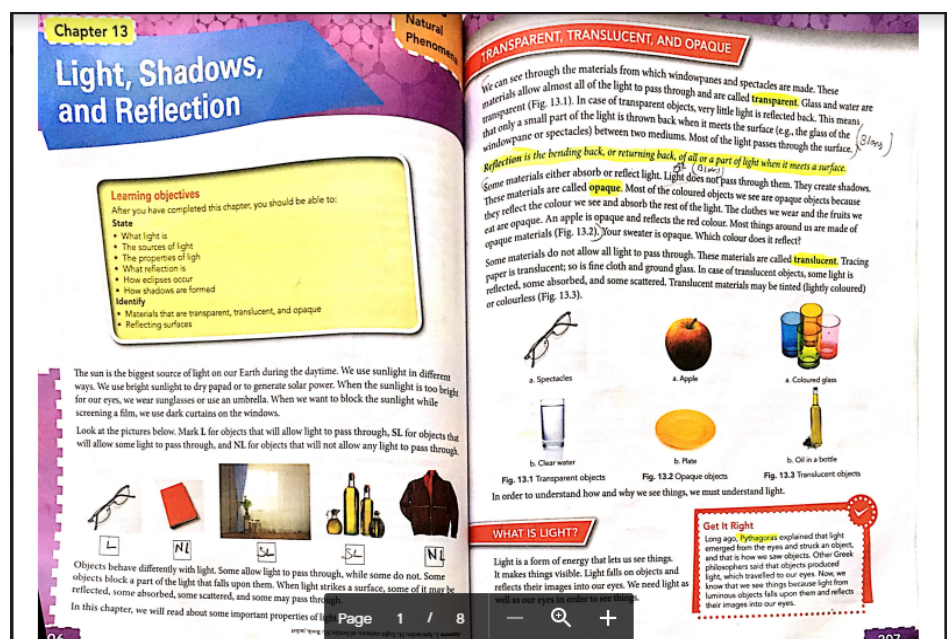
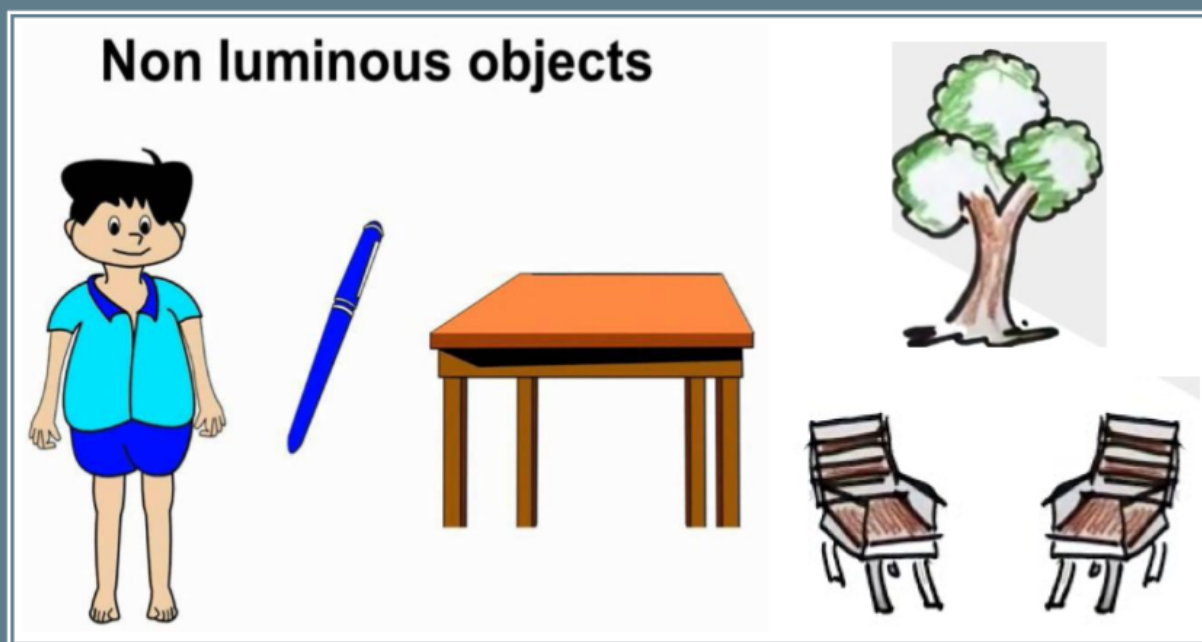


GRADE: VI

MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM



Luminous and non-luminous objects ↓

GRADE: VI

MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

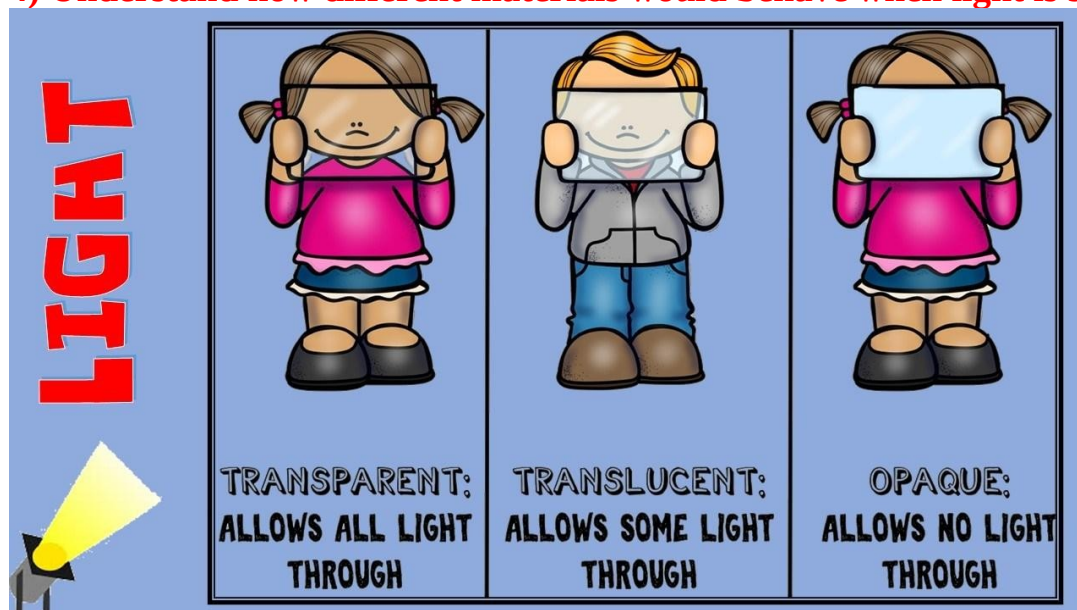
NAME OF THE TEACHER: MS. AGNEL NEELAM

<https://www.youtube.com/watch?v=DPk3y43GMVY>

CONTENT- DAY - 2

Objectives:

- 1) Identify how light behaves with certain materials
- 2) Know what the words 'translucent' 'transparent' and 'opaque' mean.
- 3) To help children list down the examples of transparent, translucent and opaque objects.
- 4) Understand how different materials would behave when light is shone on them.



GRADE: VI

MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM

transparent 	materials that allow nearly all light to pass through. Clear window glass is an example.
translucent 	materials that allow some/little light to pass through. Frosted glass, tissue paper are examples.
opaque 	materials that do not allow any light to pass through. Wood and metal are examples of no light passing through.
shadow 	the dark image on a surface caused by something that blocks light from the sun. <i>It is long in the morning and evening, but shortest at noon.</i>

Transparent, translucent and opaque objects↓

<https://www.youtube.com/watch?v=9ikIobOx2ok>

<https://www.youtube.com/watch?v=JJmVXARWLIY>

ONLINE QUIZ:

<https://quizizz.com/join/quiz/707b0f63b0aa289b6a23a9da6075232afed7891a47cad235ae7bf040e409da2f/start?studentShare=true>

<https://quizizz.com/join/quiz/6029b52db2b08d001d8584c1/start>

Activity:

GRADE: VI

MONTH/WEEK/DATE: March / Week-5/ Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.NAME OF THE TEACHER: MS. AGNEL NEELAM<https://www.liveworksheets.com/cj1639633bq>https://www.liveworksheets.com/worksheets/en/Science/Light/Light_cv19104yc

NOTES

LS. 13. Light, Reflection & Shadow

Aim : To learn about sources of light, propagation of light, laws of reflection, formation of shadows and eclipses.

1.light	8. absorbed	15.beam	22.pinhole camera	29.eclipse
2.reflection	9.scattered	16.incident ray	23.screen	30.umbra
3.objects	10.natural	17.normal	24.inverted	31.penumbra
4. energy	11.artificial	18.polished	25.laterally	
5.transparent	12.luminous	19.smooth reflection	26.shadow	
6. translucent	13.non-luminous	20.diffused reflection	27.block	
7.opaque	14. bouncing	21.images	28.source	

Question & Answers

1Q. What is light?

A. Light is a form of energy.

ARBOR INTERNATIONAL SCHOOL

E-Learning module/file



GRADE: VI

MONTH/WEEK/DATE: March / **Week-5/** Date- 28--3- '22 to 1-4-'22

SUBJECT: PHYSICAL SCIENCE.

NAME OF THE TEACHER: MS. AGNEL NEELAM

2Q. Differentiate between transparent, translucent and opaque objects.

S.No	Transparent	Translucent	Opaque
1.	Materials that allow light to pass through them completely are called transparent	Materials that allow light to pass through them partially are called translucent	Materials that don't allow light to pass through them are called opaque
2.	We can see through these objects clearly	The object is not clearly seen in this.	We cannot see the object through this.
3.	Ex: Glass, pure water etc...	Ex: Tissue paper, butter paper etc...	Ex: Wall, wood, stone etc...

End of module
