

STRAND	ENERGY
SUB STRAND	Energy Sources and Transfer
CONTENT LEARNING OUTCOME:	Recognize and describe transformations of energy when it is transformed from sources to its receivers.

LESSON NOTES

ENERGY

-Anything that gives you light and heat .

LIGHT

- Light is a form of energy which is sourced from the sun or is known as solar energy.
- Stored energy (e.g. battery) lights up a torch.
- Light travels in a straight line. It enables you to see the world around you.
- Light is used to form images or pictures.
- Light enables one to see objects in a glass of water, which look bent or broken.

MIRRORS AND IMAGES

- Plain mirrors - the mirrors that you use at home.
- Convex mirrors – also known as curve mirrors.
- Concave mirrors – also known as curve mirror.

Plain mirror

- Image is the same size as the object.
- Used in the house.

Spherical Convex mirror

- Image is smaller when the object is closer to the mirror, the image is smaller when the object is away from the mirror.
- Used in cars as side mirrors.

Concave Mirror

- As the objects gets closer to the mirror, its images gets bigger, away it gets smaller.
- Used in head lamps/ lights.

ACTIVITIES

1. What is energy?

2. What is plain mirror?

3. Difference between convex and concave mirror.

4. Plain mirror _____ light. (reflect/absorb).