

Lesson Planner –Light Shadow and Reflection

Class: VI

Subject: Science

Ch. No. 11 Ch. Name: Light, Shadows and Reflection

Teaching Aids: Text Book, Interactive Board, Pinhole camera, candle, opaque screen, Plane mirror

Book Name/Ref :Learning Elementary Science for Class 6, NCERT, Millennium's Science

Learning Objectives

The students will be able to :

- Understand the phenomenon of scattering of light.
- Differentiate between luminous and non-luminous bodies.
- Define general terms like optical medium, homogenous and heterogeneous medium, transparent, translucent and opaque, point and extended sources, ray and beam.
- Interpret the concept of rectilinear propagation of light, formation of shadows and their characteristics.
- Explain and construct pinhole camera and find pinhole cameras in nature also.
- Understand the concept of reflection of light.
- Apply the learnt concepts in higher classes and real life situations.

Methodology

- The topics will be explained using interactive discussions, audio-visual aids, real life examples and different activities.
- All the concepts will be explained by practical demonstrations and hands on activities.

Activities

1. **S.E.A.** –To construct a pinhole camera.
2. With the help of plane mirror show that light travels in straight line and changes path after reflection.

HW and Evaluation

- Questions from text book exercise , extra questions
- Quiz

ICT Integration

- Power point presentation
- Mind maps

Art Integration

- Diagrams
- Model making