

Lesson Plan - Reflection of Light

Subject: Science (8) **Chapter:** Reflection of Light (Ch - 3) **Topic:** Reflection of Light

Prerequisite - Concept of Rays, Concept of light, the concept of angle.

Objective -

- Students will be able to distinguish between different types of objects and surfaces such as transparent, translucent, plain surface, rough surface, etc.
- Students will be able to identify the use of reflection in real life.
- Students will be able to apply the concept of reflection to create useful tools such as
- Students will be able to verify the laws of reflection
- Analyze reflection at different surfaces and verify the laws of reflection on those surfaces.
- Demonstrate the concept of reflection.

Students Activity-

- Students will explore the various surfaces on which the light reflects and they will also explore the laws of reflection and they will verify it with reflection with different surfaces.
- They will distinguish between regular and irregular light through hands-on experiments and simulations
- Students will work in groups to create a prototype that demonstrates the properties of reflection and that may be useful.
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Teacher Activity -

- Ask students if they have seen themselves in the mirror without light or less light or light with different angles
- Also discuss the light of the moon or ask students to go through the simulation of the sun and moon and how light travels from sun or moon to earth
- Ask students to take a laser light and mirror and try in different angles and observe the different angles and also ask the students to verify the path in which light travels.