

# CLASS-10

## PHYSICAL SCIENCE

### UNIT PLAN

#### CHAPTER: 03 – REFLECTION OF LIGHT BY DIFFERENT SURFACES

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		REMARKS
		FROM	TO	
1.	Reflection of light – Concepts Pin hole camera	45	46	
2.	Nearest distance for light reflection Finding the images formed by Mirror - Activity	46	48	
3.	Reflection of light by plane mirrors Angle of incidence, reflection- Plane of reflection Laws of reflection	48	50	
4.	Formation of image by plane mirror Characteristics of image Size, Distance – lateral inversion	50	52	
5.	Reflection of light by spherical mirrors Radius of curvature, Principal axis, pole Parallel beam of rays	52	54	
6.	Reflection of light by Concave mirror –ray diagram Reflection of light by Convex mirror –ray diagram	54	55	
7.	Reflection of light by spherical mirrors Distance of object and image Size of object and image	55	57	
8.	Ray diagram for reflection in concave mirror Place of object and place of image Real and virtual images	57	61	
9.	Ray diagram for reflection in convex mirror Place of object and place of image Real and virtual images	61	62	
10.	Derivation of formula for curved mirrors Sign convention to the mirror formula	62	64	
11.	Mirror magnification formula	64	65	
12.	Archimedes story & Making of solar cooker	65	66	