

CLASS - VIII

CLASSES REQUIRED	16
TOPIC	light
CONCEPT & SKILLS	<p>Basic concept of light, Reflection, laws of reflection, Mirrors, Source of light, Ray, Regular/diffused reflection.</p> <p>What makes thing visible? Observing images formed by mirrors placed at angles to each other. Making a Kaleidoscope.</p> <p>Dispersion of light-Observing spectrum.</p> <p>Structure of human eye --reaction of pupil to a shining torch. Demonstration of blind spot. Care of eyes, role of nutrition .Braille sheets. Defects of vision and their correction</p> <p>Reflection in day to day life.</p>
LEARNING OUTCOMES	<p>Reflection in day to day life, Concept behind lateral inversion, Multiple reflection and its application, Dispersion of light by prism and CD, Dispersion in nature, Parts of human eye and working of eye. Long and short sight and their correction, How visually impaired persons can communicate.</p>
INSTRUCTIONAL TOOLS & REFERENCES	<p>All class room instructional tool, Chart, Plane Mirror, Prism, CD, Braille sheets, Kaleidoscope</p> <p>Video Lessons</p> <p>Reference: Cordova (My World Of Science) & Oxford Science.</p>
PEDAGOGY	<p>Discussion, Activity, Experimental, Random Questioning, Explanatory, Concept Mapping, Reflective Discussion</p>
ACTIVITY / ASSIGNMENT / RESEARCH	<ul style="list-style-type: none"> • Reflection of light • Images formed by combination of mirror • What happens to light as it goes through prism and CD • Demonstration of blind spot • To make a kaleidoscope.
ASSESSMENT	<p>MCQ,s, Assignment, Skill based assignment, Random Questioning</p>
SYLLABUS FOR FORMATIVE & SUMMATIVE ASSESSMENT	<ul style="list-style-type: none"> • MCQ's, Assignment, Skill based questions; Pencil Paper Test will be kept for Formative Assessment. • All the topics related to the lesson will be kept for Summative Assessment