



GRADE 10 – PHYSICS

CHAPTER MAP – LIGHT REFLECTION AND REFRACTION

CHAPTER 10 LIGHT REFLECTION AND REFRACTION

LECTURE 01: REFLECTION OF LIGHT

- Lightening the world with light
- Reflections and Plain mirrors
- How reflection is happening?
- Deviation

LECTURE 02: SPHERICAL MIRRORS

- Funny mirror!!
- Concave and convex mirrors
- Image formation by spherical mirrors
- Images Formed by Spherical Mirrors Using Ray Diagrams
- Real life usefulness of concave mirrors and convex mirrors
- Sign Convention for Reflection by Spherical Mirrors
- Mirror Formula and Magnification

LECTURE 03: REFRACTION OF LIGHT

- Refraction through a Rectangular Glass Slab
- The Refractive Index
- Let's magnify it!
- Refraction by Spherical Lenses
- Image formation by lenses
- Image Formation in Lenses Using Ray Diagrams
- Sign Convention for Spherical Lenses
- Lens Formula and Magnification
- Power of a Lens

