

Gopi Birla Memorial School 2024-2025

GRADE 10: PHYSICS

Govind Yadav

ANNUAL PLAN

MONTHS	MAIN CONTENT / CHAPTERS	ACTIVITIES
APRIL	Chapter 10 : LIGHT- Reflection and Refraction	1. Determination of the focal length of Concave mirror and Convex lens by obtaining the image of a distant object.
JUNE	Chapter 10 : LIGHT- Reflection and Refraction (continued)	2. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
JULY	Chapter 10 : The Human Eye- and the Colourful World	3. Tracing the path of the rays of light through a glass prism.
AUGUST	Chapter 10 : The Human Eye- and the Colourful World (CONTD) Chapter 12 : Electricity	---- 4. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.
SEPTEMBER	Revision followed by PA2	-----
OCTOBER	Chapter 12 : Electricity (continued) Chapter 13 : Magnetic Effects of Electric Current	5. Determination of the equivalent resistance of two resistors when connected in series . 6. Determination of the equivalent resistance of two resistors when connected in parallel. 7. Magnetic lines of force using bar magnet and iron filings.
NOVEMBER	Chapter 13 : Magnetic Effects of Electric Current (continued)	8. An activity to show magnetic force on current carrying conductor in presence of uniform magnetic field. 9. An activity to show electromagnetic induction.