



Lagudwas

Learning Labs

Education For Future-GEN

PHYSICS

SYLLABUS

The only source of knowledge is
experience
-Albert Einstein

S No	TITLE
01	To study the circular motion
02	To study the periodic motion
03	To learn Transparent, Translucent and Opaque
04	To make pinhole camera
05	To study that light travels in straight line
06	To make periscope
07	Electric circuit with conductors and insulators
08	Effect of magnet - a paper clip hanging in air
09	Attraction and repulsion between two poles of magnet
10	To study the presence of oxygen in air

S No	TITLE
11	To study that air present in water
12	To study that presence of air in soil
13	To Study the components of air
14	To study about the time period of simple pendulum
15	Making a bar graph and line graph for different time and speed
16	Preparation of electromagnet using nail
17	Effect of current on compass needle
18	Heating effect of electric current
19	Disk with Seven Colors - Newton's disk
20	Observation of concave and convex mirror light range

S No	TITLE
21	To view the candle through concave and convex mirror
22	To perform force can Change the Shape of an Object
23	Exploring Atmospheric Pressure: An Upside-Down Water Tumbler Experiment
24	To perform Non-contact Forces (Magnetic, electrostatic and gravitational Force)
25	Exploring Atmospheric Pressure: An Upside-Down Water Tumbler Experiment
26	Understanding Friction: Exploring the Effects of Opposing Forces on Motion
27	Measuring Force Required to Move a Brick with Different Materials
28	Effect of Surface Conditions on the Motion of Objects on an Inclined Plane
29	To understand sliding friction and rolling friction
30	Exploring the Connection Between Sound, Vibration, and Water Waves

S No	TITLE
31	Like charges repel each other and unlike charges attract each other
32	Exploring Light Reflection and Mirrors: A Simple Experiment with a Comb and a Plane Mirror
33	To make a kaleidoscope
34	Motion, Speed with Direction
35	Circular motion
36	First law of motion
37	Second law of motion
38	Third law of motion
39	Law of gravitation
40	Investigating Free Fall - The Acceleration Due to Gravity

S No	TITLE
41	Why object float or sink when placed on the surface of water
42	Propagation and reflection of sound
43	Archimedes principle
44	Production of sound
45	Work done by force
46	Law of conservation of energy
47	Rate of doing work

