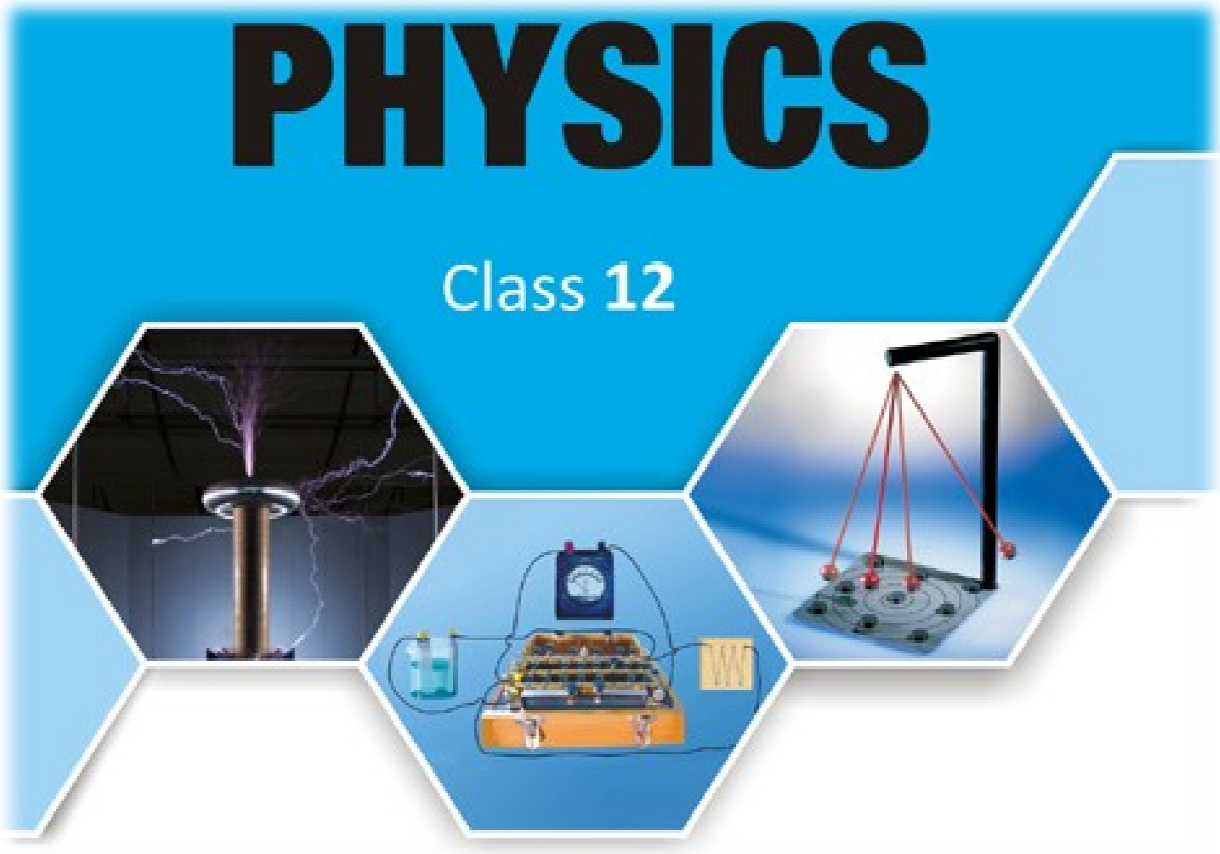
पुना International School

Shree Swaminarayan Gurukul, Zundal

Class -XII

Physics Practical (video)

Year- 2021-22



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Class – XII **Subject: Physics** **Experiment Video**

1	**To determine resistance per cm of a given wire by plotting a graph for potential difference versus current**
	https://www.youtube.com/watch?v=E_DsqQARbFg
2	To find resistance of a given wire using metre bridge and hence determine the resistivity (specific resistance) of its material.
	https://www.youtube.com/watch?v=ZlCVSZpg5Ek
3	To verify the laws of combination (series) of resistances using a metre bridge
	https://www.youtube.com/watch?v=G0gQrsCfLaM
4	To verify the laws of combination (parallel) of resistances using a metre bridge
	https://www.youtube.com/watch?v=s0Pk34_yN-Y
5	To compare the EMF of two given primary cells using potentiometer.
	https://www.youtube.com/watch?v=GvogWA3-W1w
6	To determine the internal resistance of given primary cell using potentiometer.
	https://www.youtube.com/watch?v=PCGPGmtd3Ow
7	To determine resistance of a galvanometer by half-deflection method and to find its figure of merit.
	https://www.youtube.com/watch?v=2bqmNwf4YQQ
8	To convert the given galvanometer (of known resistance and figure of merit) into an ammeter of desired range and to verify the same
	https://www.youtube.com/watch?v=_L5Es75M0kI
9	To convert the given galvanometer (of known resistance and figure of merit) into an voltmeter of desired range and to verify the same
	https://www.youtube.com/watch?v=jwt22zBwzEE
10	To find the value of v for different values of u in case of a concave mirror and to find the focallength
	https://www.youtube.com/watch?v=j8N1Z6338UQ
11	To find the focal length of a convex mirror, using a convex lens
	https://www.youtube.com/watch?v=2ODyr9uDxgk
12	To find the focal length of a concave lens, using a convex lens.
	https://www.youtube.com/watch?v=6nO9bQMI7UE
13	To determine angle of minimum deviation for a given prism by plotting a graph between angle of incidence and angle of deviation.
	https://www.youtube.com/watch?v=AMjCrwoA77A
14	To draw the I-V characteristic curve for a p-n junction in forward bias and reverse bias
	https://www.youtube.com/watch?v=m1wRzTq0m5M
15	To draw the characteristic curve of a zener diode and to determine its reverse break downvoltage
	https://www.youtube.com/watch?v=pCPdn756hug
16	To study the characteristic of a common - emitter npn or pnp transistor and to find out the values of current and voltage gains.
	https://www.youtube.com/watch?v=WLPjvGD1sGE