

Webbing for 12th classes

electric charges and fields	
introduction	http://www.youtube.com/watch?v=NK-BxowMlfg&feature=relmfu
electric charges	http://www.youtube.com/watch?v=OwoxyyGN8t4&feature=relmfu
coulomb's law	http://www.youtube.com/watch?v=Q0Sz1B3DiSA&feature=relmfu
forces between multiple charges	http://www.youtube.com/watch?v=tDONPAqvnqk&feature=related
electric field	http://www.youtube.com/watch?v=F1z5UaX96j8&feature=related
electric field lines	http://www.youtube.com/watch?v=laGSICm_agM&feature=related
electric flux	http://www.youtube.com/watch?v=1ID8Wm7mJDE&feature=relmfu
electric dipole	http://www.youtube.com/watch?v=xnSc_OWpCuY&feature=relmfu
dipole in uniform electric field	http://www.youtube.com/watch?v=xnSc_OWpCuY&feature=relmfu
continuous charge distribution	
gauss's law	http://www.youtube.com/watch?v=F1PQ8n7dIW4&feature=related
application of gauss's law	http://www.youtube.com/watch?v=Hlj5vGOSQIY&feature=related
electrostatic potential and capacitance	
introduction	http://www.youtube.com/watch?v=UUzgsIRpwNw&feature=relmfu
	http://www.youtube.com/watch?v=-2epDX0mF4I&feature=related
potential due to an electric dipole	http://www.youtube.com/watch?v=UUzgsIRpwNw&feature=relmfu

electrostatic of conductors	http://www.youtube.com/watch?v=8wo-1mc3ySY&feature=relmfu
dielectric and polarisation	http://www.youtube.com/watch?v=NZwCrNcrw-k&feature=related
capacitor and capacitance	http://www.youtube.com/watch?v=YD-cNc6StVI&feature=relmfu
the parallel plate capacitor	
effect of dielectric on capacitance	http://www.youtube.com/watch?v=NZwCrNcrw-k&feature=related
combination of capacitors	http://www.youtube.com/watch?v=NipgSggs70&feature=relmfu
energy stored in a capacitor	http://www.youtube.com/watch?v=pdw-eSfxkK8&feature=relmfu
current electricity	
introduction	http://www.youtube.com/watch?v=qBU8v2wGba8&feature=relmfu
electric current	http://www.youtube.com/watch?v=qBU8v2wGba8&feature=relmfu
electric currents in conductors	http://www.youtube.com/watch?v=zYS9kdS56I8&feature=related
ohm's law	http://www.youtube.com/watch?v=QXY6hAxVP4g&feature=related
drift velocity and mobility	

colour coding	
combination of resistors	http://www.youtube.com/watch?v=yKbCSE7GGBQ&feature=relmfu
cells, emf, internal resistance	http://www.youtube.com/watch?v=IftDnfr5ow0&feature=related
cells in series and in parallel	http://www.youtube.com/watch?v=QUvAwqfpA-w&feature=related
kirchhoff's laws	http://www.youtube.com/watch?v=V9BZljMifA&feature=related
meter bridge	http://www.youtube.com/watch?v=IhVSr83IDPo&feature=related
potentiometer & its applications	http://www.youtube.com/watch?v=H6D-oylv270&feature=related
ray optics and optical instruments	
introduction	http://www.youtube.com/watch?v=2LZsl1x0lug&feature=related
reflection of light by spherical mirrors	http://www.youtube.com/watch?v=BmHK25Mts3I&feature=relmfu
refraction	http://www.youtube.com/watch?v=KzdDXsJEOeE&feature=relmfu
lens makers formula	http://www.youtube.com/watch?v=Pi02n_lteXA&feature=fvwrel
combination of lenses	http://www.youtube.com/watch?v=OcdnTqVgys4
	-
optical instruments	http://www.youtube.com/watch?v=OcdnTqVgys4

<p>wave optics</p> <p>interference of light young's experiment resolving power</p> <p>diffraction polarisation</p>	<p>http://www.youtube.com/watch?v=0vbidxpk04c&feature=fvwrrel</p> <p>http://www.youtube.com/watch?v=sm_U7899EXQ&feature=related</p> <p>http://www.youtube.com/watch?v=FlcHlg4mQ_M&feature=relmfu</p> <p>http://www.youtube.com/watch?v=POMsF0Fd_SE&feature=related</p> <p>http://www.youtube.com/watch?v=DTT7xZEcZs4&feature=relmfu</p>
<p>dual nature of radiation and matters</p> <p>electron emission photo electric effect experimental study of photoelectric effect</p> <p>einstein's photoelectric equation particle nature of light:the photon wave nature of light davisson and germer experiment</p> <p>atoms</p> <p>rutherford's nuclear model of</p>	<p>http://www.youtube.com/watch?v=xe87Fko1gjk&feature=relmfu</p> <p>http://www.youtube.com/watch?v=jAt4Liq3bgc&feature=related</p> <p>http://www.youtube.com/watch?v=lTxs1usXSmk&feature=related</p> <p>http://www.youtube.com/watch?v=IDYMuzo40LU&feature=related</p> <p>http://www.youtube.com/watch?v=xe87Fko1gjk&feature=relmfu</p> <p>http://www.youtube.com/watch?v=FlcHlg4mQ_M&feature=relmfu</p> <p>http://www.youtube.com/watch?v=PexDMYB3MwY&feature=relmfu</p>

atom	
bohr's model of the hydrogen atom	http://www.youtube.com/watch?v=dgkoiCS1w-E&feature=related
nuclei	
mass defect and binding energy	http://www.youtube.com/watch?v=sxHEQ7eC_Lg&feature=related
atomic masses and composition of nucleus	
size of nucleus	http://www.youtube.com/watch?v=H8Yd2T9MQBU&feature=relmfu
nuclear forces	http://www.youtube.com/watch?v=qSosvNxbyb8&feature=relmfu
radioactivity	http://www.youtube.com/watch?v=PVXxbi79Tiw&feature=relmfu
nuclear fission	http://www.youtube.com/watch?v=9gERUtbtRc&feature=related
nuclear energy nucleae reactor	http://www.youtube.com/watch?v=ueainTAy7G0&feature=related
semiconductor electronics	
classification of semiconductor	http://www.youtube.com/watch?v=w8Dq8blTmSA&feature=relmfu
or	http://www.youtube.com/watch?v=0sGXz6dD7C4&feature=relmfu
p-n junction	http://www.youtube.com/watch?v=W6QUEq0nUH8&feature=relmfu
semiconductor diode application of junction diode as a rectifier	http://www.youtube.com/watch?v=KqILOGGjPFQU&feature=related http://www.youtube.com/watch?v=qhXZuVFhVzo&feature=relmfu

transistor & its applications	http://www.youtube.com/watch?v=FODFowmDfvY&feature=relmfu
digital electronics and logic gates integrated circuits	http://www.youtube.com/watch?v=EozbRhnGJKs&feature=relmfu
communication systems element of communication system basic terminology bandwidth of signals propagation of electromagnetic waves	http://www.youtube.com/watch?v=4H3K06LxWQ&feature=relmfu http://www.youtube.com/watch?v=JAVVT6AZQow&feature=relmfu http://www.youtube.com/watch?v=-h3qQhcZG1c&feature=relmfu http://www.youtube.com/watch?v=NCfYykhKHB8&feature=list_related&playnext=1&list=SPC9C3BF5CD00B98A9s
revision	
magnetic effect of current and magnetism introduction magnetic field biot-savart law & its applications ampere's circuital law & its applications	http://www.youtube.com/watch?v=-NeF7u_9_Sw&feature=related http://www.youtube.com/watch?v=uj0DFDfQajw&feature=related http://www.youtube.com/watch?v=2Sqxfr22CUc&feature=related http://www.youtube.com/watch?v=9kkARcvTWsE&feature=relmfu

the solenoid and toroid flemming left hand rule	http://www.youtube.com/watch?v=r7EZb3MXJBM&feature=relmfu http://www.youtube.com/watch?v=vkZtsrgso2A&feature=related
force on moving charge in uniform electric and magnetic field	http://www.youtube.com/watch?v=a2_wUDBI-g8&feature=relmfu http://www.youtube.com/watch?v=gINzRCOOs-8&feature=relmfu
cyclotron	http://www.youtube.com/watch?v=cNnNM2Zqlsc&feature=related
forces between two parallel currents	http://www.youtube.com/watch?v=hdJl9R2eKTs&feature=relmfu
magnetism and matter	
earth's magnetic field & magnetic elements	http://www.youtube.com/watch?v=O-V3yR2RZUE&feature=related
electromagnetic induction	
introduction	http://www.youtube.com/watch?v=tKmQ9T8R1Yw&feature=relmfu
faraday and henry 's experiment	http://www.youtube.com/watch?v=S0wbEI7caTY&feature=related

lenz's law and conservation of energy	http://www.youtube.com/watch?v=WHCwgc_xs3s&feature=related
eddy currents	http://www.youtube.com/watch?v=zJ23gmS3KHY&feature=relmfu
inductance	http://www.youtube.com/watch?v=EYNRubHIIno&feature=relmfu
ac generator	http://www.youtube.com/watch?v=nRMZ3K2pzcE&feature=relmfu
right hand palm rule	http://www.youtube.com/watch?v=UWBNxUzsgts&feature=related
alternating current	
ac voltage applied to r,l,c.	http://www.youtube.com/watch?v=5v43lhy6uNc&feature=fvwrel
phasor diagram	http://www.youtube.com/watch?v=M22UAXabKAQ&feature=related
ac voltage applied to lcr circuit	http://www.youtube.com/watch?v=cS83YUpcEsY&feature=relmfu
lc oscillations	http://www.youtube.com/watch?v=fQ4yRVEzXQA&feature=related
transformers	http://www.youtube.com/watch?v=ZjwzpoCiF8A&feature=related
electromagnetic wave	
displacement current	
e.m. waves	
e.m.spectrum	http://www.youtube.com/watch?v=cfXzwh3KadE&feature=related
m	