

THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE X									
SUBJECT:- Physics									
NAME OF BOOKS:SCIENCE Class IX (NCERT) & EFFECTUAL PHYSICS BY DR. S. K. GUPTA, DR.K.L.GOSAIN & SH. B.S. SATYAL(Devjyoti									
YEAR 2022-23									
NAME OF THE TEACHER:- Mr. AVNISH SHARMA									
S.NO	BOOK NAME	MONTH	CHAPTER NUMBER	CHAPTER NAME	SUB-TOPICS	NO. OF DAYS REQUIRED	ACTIVITY/ PROPS	SMART BOARD(PPT/ VIDEO)	CHARTS
1	EFFECTUAL	APRIL	1	REFLECTION	Laws of Reflection,Real & Virtual Image	1	NO	No	NO
2	EFFECTUAL	APRIL	1	REFLECTION	Reflection through Plane Surfaces	1	NO	No	NO
3	PHYSICS EFFECTUAL	APRIL	1	REFLECTION	Characteristics of Image formed by a plane Mirror	1	NO	No	NO
4	PHYSICS EFFECTUAL	APRIL	1	REFLECTION	Numerical and Conceptual questions	1	NO	No	NO
5	PHYSICS EFFECTUAL	APRIL	1	REFLECTION	Some Useful Terms related to Concave & Conex Mirror(Sign Convention)	1	NO	No	NO
6	PHYSICS EFFECTUAL	APRIL	1	REFLECTION	Reflection through Concave Mirror	1	NO	NO	YES
7	PHYSICS EFFECTUAL	APRIL	1	REFLECTION	Reflection through Convex Mirror	1	NO	NO	YES
8	PHYSICS EFFECTUAL	MAY	1	REFLECTION	Analytical derivation for different relations f, R, u, v	1	NO	No	NO
9	PHYSICS EFFECTUAL	MAY	1	REFLECTION	Numerical	1	NO	No	NO
10	PHYSICS EFFECTUAL	MAY	1	REFLECTION	Numerical	1	NO	NO	YES

11	EFFECTUAL PHYSICS	MAY	2	REFLECTION	Revision	1	NO	No	NO
12	EFFECTUAL PHYSICS	MAY	2	REFLECTION	Revision	1	NO	No	NO
13	EFFECTUAL PHYSICS	MAY	2	REFLECTION	Revision	1	NO	No	NO

PRE-MID TERM ASSESSMENT

14	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Laws of Refraction ,Refractive Index & Total Internal Reflection	1	NO	No	NO
15	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Refraction through Spherical Lenses-First and Second Focus	1	NO	No	NO
16	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Sign Convention , Real and Virtual Image	1	NO	NO	yes
17	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Image formed by a convex and Concave Lens	1	NO	NO	NO
18	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Analytical derivation for different relations u , v and f	1	NO	NO	NO
19	EFFECTUAL PHYSICS	JULY	2	REFRACTION	Magnification and power of a Lens	1	NO	NO	NO
20	EFFECTUAL PHYSICS	JULY	2	LAB	Experiment-I : Determination of the focal length of a(i) Concave Mirror & (ii) Convex Lens by obtaining the image of a distant object.	1	NO	NO	NO
21	EFFECTUAL PHYSICS	JULY	2	LAB	Experiment-II : To trace the Path of a light ray passing through a rectangular Glass Slab for different angle of incidence.Measure angle i , r , e and interpret the result	1	NO	NO	NO

22	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Refraction of Light through a Glass Prism	1	NO	No	NO
23	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Dispersion of White Light	1	NO	No	NO
24	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Scattering :Application in Daily Life & Rainbow	1	NO	NO	yes
25	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Human Eye and Vision Defects	1	NO	NO	NO
26	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Causes and Remedies of Vision Defects	1	NO	NO	NO
27	EFFECTUAL PHYSICS	AUGUST	3	HUMAN EYE & COLOURFUL WORLD	Applications of spherical Mirrors and Lenses	1	NO	NO	NO
28	EFFECTUAL PHYSICS	AUGUST	3	LAB	Experiment-III : To trace the Path of a light ray passing through a glass Prism	1	NO	NO	NO
29	EFFECTUAL PHYSICS	AUGUST		Revision		1	NO	NO	NO
				Revision					
MID TERM ASSESSMENT									
30	EFFECTUAL PHYSICS	SEPTEMBER	4	ELECTRICITY	Charge and it's properties	1	NO	NO	NO
31	EFFECTUAL PHYSICS	SEPTEMBER	4	ELECTRICITY	Electric Current	1	NO	NO	NO
32	EFFECTUAL PHYSICS	SEPTEMBER	4	ELECTRICITY	Potential Difference	1	NO	NO	NO
33	EFFECTUAL PHYSICS	SEPTEMBER	4	ELECTRICITY	Resistance and Symbols of Different Electric Instruments	1	NO	NO	NO

34	EFFECTUAL PHYSICS	OCTOBER	4	ELECTRICITY	Ohm's Law	1	NO	PPT	NO
35	EFFECTUAL PHYSICS	OCTOBER	4	LAB	Experiment-IV : Verifaction of Ohm's Law-Studying the dependence of V across a resistor on the current i passing through it and determine it's resistance.Also plotting a graph between V & i	1	NO	PPT	NO
36	EFFECTUAL PHYSICS	OCTOBER	4	ELECTRICITY	Dependence of Resistance on other physical quantities- Resistivity	1	NO	NO	YES
37	EFFECTUAL PHYSICS	OCTOBER	5	ELECTRICITY	Factors on which resistor of a conductor depends	1	NO	PPT	NO
38	EFFECTUAL PHYSICS	OCTOBER	5	ELECTRICITY	Numericals and Conceptual Problems	1	NO	PPT	NO
39	EFFECTUAL PHYSICS	OCTOBER	5	ELECTRICITY	Series and Parallel Combinations of resistances	1	NO	PPT	NO
40	EFFECTUAL PHYSICS	NOVEMBER	5	ELECTRICITY	Series and Parallel Combinations of resistances	1	NO	PPT	NO
41	EFFECTUAL PHYSICS	NOVEMBER	5	ELECTRICITY	Heating Effects of Electric Current and It's Applications in daily Life	1	NO	PPT	NO
42	EFFECTUAL PHYSICS	NOVEMBER	5	ELECTRICITY	Electrical Power and it's SI Units ,Inter relation among P,V ,i and R	1	NO	No	NO
43	EFFECTUAL PHYSICS	NOVEMBER	5	MAGNETIC EFFECTS OF CURRENT	Magnetic Field Lines and Properties of Magnetic Field Lines-Bar Magnet	1	NO	No	NO
44	EFFECTUAL PHYSICS	NOVEMBER	5	MAGNETIC EFFECTS OF CURRENT	Oersted Discovery and Biot - Savart Law	1	NO	PPT	NO

45	EFFECTUAL PHYSICS	NOVEMBER	5	MAGNETIC EFFECTS OF CURRENT	Magnetic Field Lines due to a straight Current carrying conductor and Right Hand Thumb Rule	1	NO	NO	YES
46	EFFECTUAL PHYSICS	NOVEMBER	5	MAGNETIC EFFECTS OF CURRENT	Magnetic Field Lines due to a Current carrying Circular Loop and Solenoid	1	NO	NO	YES
47	EFFECTUAL PHYSICS	DECEMBER	5	MAGNETIC EFFECTS OF CURRENT	Force on a current Carrying Conductor in a magnetic Field	1	NO	No	NO
48	EFFECTUAL PHYSICS	DECEMBER	5	MAGNETIC EFFECTS OF CURRENT	Fleming's Left Hand Rule	1	NO	No	NO
49	EFFECTUAL PHYSICS	DECEMBER	5	MAGNETIC EFFECTS OF CURRENT	Electric Motor(Optional not in syllabus of 2022-2023)	1	NO	PPT	NO
50	EFFECTUAL PHYSICS	DECEMBER	5	MAGNETIC EFFECTS OF CURRENT	Electromagnetic Induction ,Advantages of AC over DC	1	NO	No	NO
51	EFFECTUAL PHYSICS	DECEMBER	5	MAGNETIC EFFECTS OF CURRENT	Fleming's Right Hand Rule and Electric Generator(Optional not in syllabus of 2022-2023)	1	NO	PPT	NO
52	EFFECTUAL PHYSICS	DECEMBER	4	MAGNETIC EFFECTS OF CURRENT	Domestic Electric Circuits	1	NO	NO	NO
53	EFFECTUAL PHYSICS	DECEMBER	4	MAGNETIC EFFECTS OF CURRENT	NCERT Exercises	1	NO	NO	NO
54	EFFECTUAL PHYSICS	JANUARY	4	LAB	Experiment-V : Determination of the equivalent resistance of two resistors when connected in Series and Parallel	1	NO	NO	NO
55	EFFECTUAL PHYSICS	JANUARY	4	ELECTRICITY	Revision	1	NO	NO	NO

56	EFFECTUAL PHYSICS	JANUARY	4	ELECTRICITY	Revision	1	NO	NO	NO
57	EFFECTUAL PHYSICS	JANUARY	4	ELECTRICITY	Revision	1	NO	NO	NO
58	EFFECTUAL PHYSICS	JANUARY	5	ELECTRICITY	Revision	1	NO	PPT	NO
59	EFFECTUAL PHYSICS	JANUARY	5	MAGNETIC EFFECTS OF CURRENT	Revision	1	NO	PPT	NO
60	EFFECTUAL PHYSICS	FEBURARY	5	MAGNETIC EFFECTS OF CURRENT	Revision	1	NO	PPT	NO
61	EFFECTUAL PHYSICS	FEBURARY	5	MAGNETIC EFFECTS OF CURRENT	Revision	1	NO	PPT	NO
62	EFFECTUAL PHYSICS	FEBURARY	5	MAGNETIC EFFECTS OF CURRENT	Revision	1	NO	NO	YES
63	EFFECTUAL PHYSICS	FEBURARY	5	Class Physics Test	Revision	1	NO	PPT	NO
64	EFFECTUAL PHYSICS	FEBURARY	5	Students' Doubt	Revision	1	NO	No	NO
65	EFFECTUAL PHYSICS	FEBURARY	5	Students' Doubt	Revision	1	NO	No	NO
66		MARCH							
67		MARCH							
68		MARCH							
69		MARCH							
70		MARCH							
71		MARCH							