

THE WISDOM GLOBAL SCHOOL									
SYLLABUS BIFURCATION									
GRADE IX									
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 Books Pvt.									
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 PHYSICS	APRIL	1	MOTION	Scalars and Vectors	1	NO	NO	NO
2	EFFECTUAL PHYSICS	APRIL	1	MOTION	Vectors	1	NO	NO	NO
3	EFFECTUAL PHYSICS	APRIL	1	MOTION	Distance and Displacement	1	NO	NO	NO
4	EFFECTUAL PHYSICS	APRIL	1	MOTION	Speed and Velocity	1	NO	NO	NO
5	EFFECTUAL PHYSICS	APRIL	1	MOTION	Acceleration	1	NO	NO	NO
6	EFFECTUAL PHYSICS	APRIL	1	MOTION	Equations of Motion	1	NO	NO	YES
7	EFFECTUAL PHYSICS	APRIL	1	MOTION	Graphical Concept	1	NO	NO	YES
8	EFFECTUAL PHYSICS	MAY	1	MOTION	Derivation of equations of motion by Graphical Methods	1	NO	NO	NO
9	EFFECTUAL PHYSICS	MAY	1	MOTION	Derivation of equations of motion by Graphical Methods	1	NO	PPT	NO
10	EFFECTUAL PHYSICS	MAY	1	MOTION	Uniform Circular Motion	1	NO	NO	YES
11	EFFECTUAL PHYSICS	MAY	2	MOTION	Numerical	1	NO	PPT	NO
12	EFFECTUAL PHYSICS	MAY	2	MOTION	Numerical	1	NO	PPT	NO
13	EFFECTUAL PHYSICS	MAY		MOTION	Revision and Student's Doubt				
PRE-MID TERM ASSESSMENT									
14	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Momentum	1	NO	No	NO

15	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Definition of Force, Balanced and Unbalanced Forces	1	NO	No	NO
16	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Inertia and Mass	1	NO	PPT	yes
17	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Newton's First & Second Law of Motion	1	NO	NO	NO
18	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Newton's Third Law	1	NO	NO	NO
19	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Law of Conservation of Momentum	1	NO	NO	NO
20	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Impulse	1	NO	NO	NO
21	EFFECTUAL PHYSICS	JULY	2	FORCE AND LAWS OF MOTION	Friction	1	NO	NO	NO

22	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Kepler's Three Laws of Planetary Motion	1	NO	PPT	NO
23	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Universal Law of Gravitation	1	NO	PPT	NO
24	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Universal Gravitational Constant	1	NO	NO	yes
25	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Gravity & Acceleration due to Gravity	1	NO	NO	NO
26	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Mass and Weight , Kg-wt	1	NO	NO	NO
27	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Free Fall	1	NO	NO	NO
28	EFFECTUAL PHYSICS	AUGUST	3	GRAVITATION	Numerical	1	NO	NO	NO
29	EFFECTUAL PHYSICS	AUGUST	3	REVISION	Numerical	1	NO	NO	NO

		SEPTEMBER		REVISION					
		SEPTEMBER		REVISION					
		SEPTEMBER		REVISION					

MID TERM ASSESSMENT

30	EFFECTUAL PHYSICS	SEPTEMBER	4	FLOATATION	Thrust and Pressure	1	NO	NO	NO
31	EFFECTUAL PHYSICS	SEPTEMBER	4	FLOATATION	Density and Relative Density	1	NO	NO	NO
32	EFFECTUAL PHYSICS	SEPTEMBER	4	FLOATATION	Archimedes' Principle	1	NO	NO	NO
33	EFFECTUAL PHYSICS	SEPTEMBER	4	FLOATATION	Experiment-I determination of the Density of solid(denser than water).	1	NO	Practical/Activity	NO

34	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Trigonometrical Ratios and Table	1	NO	NO	NO
35	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Work done by a Force and it's Unit	1	NO	NO	NO
36	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Positive ,Negative and Zero Work done	1	NO	NO	NO
37	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Energy and Types of Energy	1	NO	NO	NO
38	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Kinetic Energy and Work-Energy Theorem	1	NO	NO	NO
39	EFFECTUAL PHYSICS	OCTOBER	5	WORK , ENERGY AND POWER	Relation between Kinetic energy and momentum	1	NO	NO	NO
40	EFFECTUAL PHYSICS	NOVEMBER	5	WORK , ENERGY AND POWER	Potential Energy	1	NO	NO	NO
41	EFFECTUAL PHYSICS	NOVEMBER	5	WORK , ENERGY AND POWER	Conservation of mechanical energy and free fall of a body	1	NO	NO	NO
42	EFFECTUAL PHYSICS	NOVEMBER	5	WORK , ENERGY AND POWER	Conservation and transfer of energy((i)Pendulum (ii) Arrow & Bow)	1	NO	NO	YES
43	EFFECTUAL PHYSICS	NOVEMBER	5	WORK , ENERGY AND POWER	Power and Units of Power	1	NO	NO	YES
44	EFFECTUAL PHYSICS	NOVEMBER	6	SOUND	Oscillations and Some useful Terms	1	NO	NO	NO
45	EFFECTUAL PHYSICS	NOVEMBER	6	SOUND	Waves and Classifications of Waves	1	NO	NO	YES
46	EFFECTUAL PHYSICS	NOVEMBER	6	SOUND	Classifications of Waves	1	NO	NO	YES
47	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Classifications of Waves	1	NO	PPT	NO
48	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Speed of Sound in Different Medium	1	NO	PPT	NO
49	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Range of Hearing in Human	1	NO	No	NO
50	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Ultrasound	1	NO	No	NO
51	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Reflection of Sound and Echo	1	NO	Practical/Activity	NO
52	EFFECTUAL PHYSICS	DECEMBER	6	SOUND	Echo and Reverberation	1	NO	Practical/Activity	NO
53	EFFECTUAL PHYSICS	DECEMBER		Revision & Student's Doubt		1			

POST-MID TERM ASSESSMENT

54	EFFECTUAL PHYSICS	JANUARY	4	FLOATATION	Experiment-II Verification of the Laws of Reflection of Sound	1	NO	Practical/Activity	NO
55	EFFECTUAL PHYSICS	JANUARY	4	FLOATATION	Experiment-III Establishing the relation between the loss in weight of a solid when fully immersed in (a) Tap Water (b)Strongly Salty water with the weight of water displaced by it taking atleast two different solids	1	NO	Practical/Activity	NO
56	EFFECTUAL PHYSICS	JANUARY	4	FLOATATION	Experiment-IV Determination of the speed of a pulse propagated through a stretched String/Slinky (Helical Spring).	1	NO	Practical/Activity	NO
57	EFFECTUAL PHYSICS	JANUARY	4	FLOATATION	Doubt and Discussion related to Experiments	1	NO	NO	NO
58	EFFECTUAL PHYSICS	JANUARY		Revision		1			
59	EFFECTUAL PHYSICS	JANUARY		Revision		1			
60	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
61	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
62	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
63	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
64	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
65	EFFECTUAL PHYSICS	FEBURARY		Revision		1			
FINAL ASSESSMENT									
66		MARCH							
67		MARCH							
68		MARCH							
69		MARCH							
70		MARCH							
71		MARCH							