Annual & Weekly Syllabus Split-Up - 2026-27

Grade IX

Subject: Physics

S.No	Month	No. of Working Days		No. of Days	Topic	Sub Topic	Teaching Aids/Resources	Classroom teaching Video Link	Activities	Art Integrated project	Pedagogy Process/Teaching Strategy	Chapterwise Notes link	Assessment
1	APRIL	25	Week 1	4	*C- 7 MOTION*	Motion ,rest , distance ,displacement,	Ncert, ppt and topic notes,videos	https://www.youtube.com/watch?v=elAzkXyRQFU			Distinguish distance and displacement Solve numerical problems involving displacement and distance Represent motion graphically	https://drive.google.com/file/d/1P7Fk_l6y9SciNLLoUrvgjLGpmd68RwB_/view?usp=drive_link	Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 2	6	*C- 7 MOTION*	Numericals of displacement,speed ,velocity	Ncert, ppt and topic notes,videos	https://www.youtube.com/watch?v=S9Z1a3sZfHY			Distinguish distance and displacement Solve numerical problems involving displacement and distance Represent motion graphically		
			Week 3	5	*C- 7 MOTION*	Acceleration and its types	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=21BwUNDOQno&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp			Solve numerical problems involving Acceleration Represent motion graphically		
			Week 4	6	*C- 7 MOTION*	Numericals, distance - time graph	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=vxFYfumAAlY&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=5			Solve numerical problems involving distance-time graphs		
			Week 5	4	*C- 7 MOTION*	Speed - time graph	Ncert, ppt and topic notes			Maths:Draw line on graph paper, calculate slope for acceleration,Analyze train or bus speed schedules Discuss: Peak traffic hours → high acceleration/deceleration Planning travel → speed and time data Journey Story (English Integration) Students describe motion in words using graph:	Solve numerical problems involving speed-time graphs		
2	JUNE	20	Week 1	0									
			Week 2	6	*C- 7 MOTION*	Three equations of motion	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=xViRvJxTu6k&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=6			Solve numerical problems involving three equations of motion		
			Week 3	6	*C- 7 MOTION*	uniform circular motion	Ncert, ppt and topic notes,videos						
			Week 4	6	*C- 7 MOTION*	Exercise of motion chapter	Ncert, ppt and topic notes						
			Week 5	2	*C- 7 MOTION*	Exercise of motion chapter	Ncert, ppt and topic notes						

3	JULY	27	Week 1	4	*C- 7 MOTION*	Revision : all topics of Motion chapetr	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=xViRvJxTu6k&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=6						
			Week 2	6	*C-8 Force and Laws of Motion*	Balanced and Unbalanced Forces,Galileo's experiment,First Law of Motion	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=iGwBZTWySWk&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=8				https://drive.google.com/file/d/1_i3UupowZwmu3ecXwB5aa4Xx0s3UY-28/view?usp=drive_link	
			Week 3	6	*C-8 Force and Laws of Motion*	Laws of Inertia (rest & motion)	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=5oi5j11FkQg&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=11			Explain momentum and its relation to mass and velocity Solve numerical problems involving momentum Observe laws of motion in real-life situations		Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 4	6	*C-8 Force and Laws of Motion*	Newton's 3rd law of motion & examples	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=8YhYqN9BwB4&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=13			Newton's Third Law Materials: Balloon, string		
			Week 5	5	*C-8 Force and Laws of Motion*	Exercise of Force & laws of motion chapter	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=TVAxASr0iUY&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=14					
4	AUGUST	24	Week 1	1	*C-8 Force and Laws of Motion*	Revision: Exercise of Force & laws of motion chapter	Ncert, ppt and topic notes						Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 2	6	*C-8 Force and Laws of Motion*	Exercise of Force & laws of motion chapter	Ncert, ppt and topic notes				Solve numerical problems involving force & laws of motion		
			Week 3	5	C- 9 Gravitatio	Gravitation, Nweton's laws of Gravitation, numericals	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=Sw2P1hpwpqU				https://drive.google.com/file/d/1tPQT1EVyZ7C7iMaFn9kYGJ_KqhMe3QgW/view?usp=drive_link	Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 4	6	C- 9 Gravitatio	Free fall , acceleration due to gravity	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=lbOXZ2tcTgc&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=17			State Newton's Law of Gravitation Calculate gravitational force between two bodies,Describe free fall and derive acceleration due to gravity (g),Solve numerical problems related to gravitation and free fall		
			Week 5	5+1	C- 9 Gravitatio	,g =GM/R2, Weight of object on moon surface.	Ncert, ppt and topic notes						
			Week 1	5	**Term 1**								
			Week 2	6									

5	SEPTEMBER	23	Week 3	5	C- 9 Gravitation,Thrust & pressure	Pressure and its application,numericals,Bouyancy,	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=UKl33k-gQ0k&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=20	Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.					Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 4	5	C- 9 Gravitation,Thrust & pressure	Archimedes principle and its applications	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=khc2wUBsFU4&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=22	Verification of the Laws of reflection of sound.		Calculate upthrust and loss of weight in water Perform demonstrations and experiments showing buoyant force Apply the concept to real-life situations		
			Week 5	3	C- 9 Gravitation,Thrust & pressure	Exercise Questions and examples	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=05WkCPORlj4&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=24	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 by taking at least two different solids.				
6	OCTOBER	25	Week 1	2	C- 9 Gravitation,Thrust & pressure	Exercise Questions and examples	Ncert, ppt and topic notes				Calculate upthrust and loss of weight in water Perform demonstrations and experiments showing buoyant force Apply the concept to real-life situations		
			Week 2	6	C-10 Work ,En	Work done and types of work,	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=TlCpDsqVJx0			Distinguish positive, negative, and zero work Define kinetic energy (KE) and potential energy (PE) Calculate work done and energy in various situations	https://drive.google.com/file/d/1JajNnwk5JEKuN2mpiJwZfoxkRJAsa-Z-/view?usp=drive_link	Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 3	6	C-10 Work ,En	energy - kinetic and potential energy	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=AUeyJOm0_30					
			Week 4	5	C- 9 Gravitation,Thrust & pressure	Revision :Pressure and its application,numericals,Bouyancy,	Ncert, ppt and topic notes						
			Week 5	5	C-10 Work ,En	Numericals based on kinetic and potential energy	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=AUeyJOm0_30			Solve numericals involving Kinetic & potential energy		
7	NOVEMBER	12	Week 1	0									
			Week 2	0									
			Week 3	0									
			Week 4	6	C-10 Work ,En	commercial unit of energy ,Power	Ncert, ppt and topic notes				Solve numericals involving power		
			Week 5	5+1	C-10 Work ,En	commercial unit of energy ,Exercise questions	Ncert, ppt and topic notes						Solve the Numericals,MCQ, Assertion &Reason & Class Test

8	DECEMBER	21	Week 1	5	C-11 Sound	Production of sound,propagation of sound ,characteristics of sound	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=BFWLb_MKyRE&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=39				https://drive.google.com/file/d/1n3-sSzr1YrDmMcuA8FKG836bS08xH2nq/view?usp=drive_link	Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 2	6	C-11 Sound	speed of sound in different media,reflection of sound,echo,reverberation .	Ncert, ppt and topic notes	https://www.youtube.com/watch?v=rl5BDxWJ_CU&list=PLmdFyQYShrjcoTLhPodQGjtZKPKIWc3Vp&index=40	Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).		Describe propagation of sound in solids, liquids, and gases List characteristics of sound (pitch, loudness, quality) Calculate and compare speed of sound in different media Explain reflection of sound, echo, and reverberation Apply sound concepts to real-life examples		
			Week 3	6	C-11 Sound	Echo,reverberation ,uses of multiple reflection,Range of hearing, ,	Ncert, ppt and topic notes						Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 4	4	C-11 Sound	numericals,Applications of ultrasound, Exercise Questions	Ncert, ppt and topic notes				Solve numericals involving Exercise Questions		
			Week 5	3	C-11 Sound	numericals,Applications of ultrasound, Exercise Questions					Solve numericals involving Exercise Questions		
9	JANUARY	22	Week 1	0									
			Week 2	6	C-10 Work ,En	Revision : work & its types ,commercial unit of energy ,Exercise questions	Ncert, ppt and topic notes				Distinguish positive, negative, and zero work Define kinetic energy (KE) and potential energy (PE) Calculate work done and energy in various situations		
			Week 3	5	C- 9 Gravitatio	Free fall , acceleration due to gravity							Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 4	6	*C-8 Force and Laws of Motion*	Newton's 3rd law of motion & examples	Ncert, ppt and topic notes				Solve numerical problems involving force & laws of motion		Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 5	5	*C- 7 MOTION .*	Exercise of motion chapter					Solve numerical problems involving force & laws of motion		
10	FEBRUARY	23	Week 1	6	C-11 Sound C-10 Work ,energy	echo,reverberation ,uses of multiple reflection,Range of hearing, ,	Ncert, ppt and topic notes						Solve the Numericals,MCQ, Assertion &Reason & Class Test
			Week 2	6	**Annual Exam**								
			Week 3	5									
			Week 4	6									
			Week 5	NA									

11	MARCH	17	Week 1	5										
			Week 2	6										
			Week 3	6										
			Week 4	5										
			Week 5	3										