

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM -1

Type of Assessment: PERIODIC TEST 1

CLASS : IX SUBJECT : PHYSICS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none"> Motion 	Smart board , NCERT, reference books and graphs.	<ul style="list-style-type: none"> To establish relationship between weight of a rectangular wooden block lying on a horizontal table and force required to slide it. 	<ul style="list-style-type: none"> Utilization of equations of motion leads to a better understanding of day to day experiences 	a) to analyse different types of graphs(v-t, s-t) b) to differentiate b/w scalar and vector quantities., distance and displacement, speed and velocity c) to solve numerical based on equations of motion. d) to distinguish b/w balanced and unbalanced forces

Type of Assessment PERIODIC TEST -2(Half yearly Exam)

CLASS : IX

SUBJECT : PHYSICS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none"> Force and laws of motion Gravitation (till thrust)+ Chapter of periodic test 1 	Smart board , NCERT, reference books, spring balance, measuring cylinder,iron cuboid.	<ul style="list-style-type: none"> To verify that pressure increases with increase in area by taking a solid iron cuboid and sand. To find the density of solid 	<ul style="list-style-type: none"> Scientific attitude and alertness 	a) to state the laws and solve numerical based on force b) to understand Newton's laws through various applications c) To state universal law of gravitation and tell its importance. d) To solve numerical based on universal law. e) To define 'g 'and cite factors on which it depend

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SYLLABUS DISTRIBUTION

TERM -2

Type of Assessment: PERIODIC TEST 3

CLASS : IX

SUBJECT : PHYSICS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITY	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none"> • Gravitation (floatation) • Work and energy 	Smart board, marker, NCERT, and reference books, measuring cylinder and spring balance, slinky	<ul style="list-style-type: none"> • To establish a relation between upthrust and wt of water displaced by the object when immersed in tap water and strongly salty water. 	Scientific attitude, Problem solving	a) to understand why does an object float or sink when placed on the surface of water. b) to state and understand the applications of Archimedes' principle. c) to define work and energy d) to understand the concept of positive work, negative work and zero work and cite examples of the same. e) to differentiate b/w kinetic and potential energy.

Type of Assessment – Final exam

CLASS : IX

SUBJECT : PHYSICS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
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SYLLABUS DISTRIBUTION

Sound + All chapters covered in periodic test 1 ,2 and 3.	Smart board marker, NCERT, reference books	<ul style="list-style-type: none">• To verify laws of reflection of sound.• To determine the velocity of pulse propagated through a slinky.	Problem solving , decision making	<ul style="list-style-type: none">a) To understand the propagation of soundb) To explain different terms associated with wavec) To solve numericals based on echo and wavelength and frequency.
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