INDIAN SCHOOL MUSCAT

SUBJECT: PHYSICS (Revised Annual lesson plan)

Monthly Plan (2020-2021)
Class IX

Month	Unit/ Chapter	Sub- units	DS Mapping
APRIL	Chapter 8 **MOTION** **(9 TH –APRIL NEW ACADEMIC YEARBEGINS)** **(12 /04/20 Easter holiday)**	• (12/04/20 -16/04/20) • Motion in straight line- velocity and speed (19/04/20- 23/04/20) • Uniform and non-uniform motion, acceleration • (26/04/20- 30/04/20) • Graphical representation of motion • Distance –time and velocity – time graph	Distance & Displacement Speed & Velocity Velocity, acceleration, deceleration Types of motion **Practical (1)- To determine the density of the given object**
MAY	Chapter 8 (contd.) **MOTION**	• **(03/05/20- 07/05/20)** • **Equations of motion by graphical method** **(10/05/20- 14/05/20)** • **Equations for position – time relation** • **(17/05/20- 21/05/20)** • **Equation for velocity – time relation** • **Uniform circular motion** • **(24/05/20- 28/05/20)**	Equation for position-time and velocity –time relation Uniform circular motion

		• **Motion chapter- worksheet distribution to the students**	
JUNE	Chapter 9 **FORCE AND LAWS OF MOTION** **FIRST ONLINE TEST FROM** **01/06/20 -7/06/20** **28/06/20 - 02/07/20** **MIDTREM BREAK**	• **31/05/20 – 04/06/20)** • **Force and laws of motion** • **Motion, rest, balanced, unbalanced force** • **(07/06/20- 11/06/20)** • **First Law Of Motion ,inertia of rest, inertia of motion** • **(14/06/20 -18/06/20)** • **Inertia of direction , inertia related with mass** • **21/06/20 -25/06/20** • **Second law of Motion- mathematical formulation of second law**	**Practical (2)- To determine the loss of weight due to up thrust by using Archimedes principle** **Law of inertia** **Galileo's experiments & the law of inertia** **Newton's 3rd law Application of law of conservation of momentum** **Law of conservation of momentum of motion**
JULY	Chapter 9 FORCE AND LAWS OF MOTION **13/07/20 – 19/07/20** **(SECOND ONLINE TEST)**	• (05/07/20- 09/07/20) • Third Law Of Motion • 12/07/20 – 16/07/20 • Conservation of momentum	Free Fall

JULY	Chapter 10 (contd.) **GRAVITATION**	• (19/07/20- 23/07/20) • Force and laws of motion chapter- worksheet distribution to the students (26/07/20-30/07/20) Universal law of Gravitation • Free Fall	**Universal Law Of Gravitation** **Gravitational Force**
AUGUST	Chapter 10 (contd.) **GRAVITATION**	**2/08/20- 06/08/20** **•Mass and weight** **•Acceleration due to gravity** **•(09/08/20- 13/08/20)** **•Expression for g** **•Motion under the influence of gravity,** **16/08/20-20/08/20** **equations of motion solve problems from in text** **•23/08/20- 27/08/20** **•Mass and weight**	Law Of Universal Law Gravitation Mass and weight
SEPTEMBER	Chapter 10 GRAVITATION (31/09/20 ONAM)	**•(30/08/20- 03/09/20)** **Weight of object on the moon** **Solve-In text questions from page 134 &136** **•(06/09/20- 10/09/20)** **•Gravitation chapter- worksheet distribution to the students**	Positive , negative and zero work Half yearly examination begins from

		•13/09/20 –to 17/09/20 **•Revision motion chapter** **Force and laws of motion** **•20/09/20-30/09/20** **HALF YEARLY EXAMINATION BEGINS FROM 20 /09/20**	
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OCTOBER	Chapter 11 **WORK AND ENERGY**	• (04/10/20- 08/10/20) • Introduction about lesson • work ,energy &power • work (i) positive work • 11/10/20- 15/10/20 • (ii) negative work • (iii) zero work done (no work done) • 18/10/20-22/10/20 • (Work and energy) • Kinetic energy • 25/10/20 • Forms of energy-kinetic energy	Types of energy Kinetic energy Expression for kinetic energy Potential energy Types of potential energy
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NOVEMBER	Chapter 11 WORK AND ENERGY	01/11/20 -05/11/20 •Solve numerical from text book 8/11/20- 12/11/20 •Potential energy 15/11/20- 19/11/20	

	(03/12/20 LAST WORKING DAY FOR STAFFS & STUDENTS)	•Forms of energy- potential energy •22/11/20-26/11/20 •Law of conservation of energy 29/11/20- 03/12/20 •Power- rate of doing work	Law of conservation of energy. Transformation of energy
JANUARY	**Chapter 11** **WORK AND ENERGY**	3/1/21- 07/1/21 •Commercial unit of energy 10/01/21 -14/01/21 •Work and energy chapter- worksheet distribution to the students •Numerical from text book & worksheet questions 17/01/21 – 21/01/21 revision for all chapters and numerical 24/01/21 – 28/01/21 REVISION ALL SUBTOPICS	26 th REPUBLIC DAY
FEBRUARY	07/02/21 ANNUAL EXAM BEGINS		**07/02/21(ANNUAL EXAM)**