**WEEKLY PLAN**

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| MONTH OF APRIL 2018 | | | | | |
| CLASS 11 | WEEK1 | WEEK  2 | WEEK 3  18th to 19th April 2 pds | WEEK4  22-26th of April | Week 5  29-30th |
| PHYSICS |  |  | **CHAPTER- MOTION IN A STRAIGHT LINE:** Introduction.Positionpath length displacement speed and velocity. | Uniform and non-uniform motion.Average speed and instantaneous velocity.  Acceleration.  Position-time graph, speed and velocity.  Velocity – time graph  Acceleration – time graph  Relations for uniformly accelerated motion (graphical treatment)  Numerical. | Relative velocity.  Numerical in exercises. |
| Practical- Cycle I   1. Screw Gauge I 2. Screw Gauge II 3. Vernier Callipers   Simple Pendulum | | | | | |

**WEEKLY PLAN**

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| MONTH OF MAY 2018 | | | | | |
| CLASS 11 | WEEK1  1st -3rd | WEEK2  6th -10th | WEEK3  13th – 17th | WEEK4  20th -24th | WEEK 5  27th -31st |
| PHYSICS | **CHAPTER-MOTION IN A PLANE**  Introduction.  Unit vector; Resolution of a vector in a plane - rectangular components Scalar and Vector product of vectors. | Motion in a plane. Scalar and vector quantities; Position and displacement vectors, general vectors and theirnotations.Equality of vectors, multiplication of vectors by a real number. Addition and subtractionof vectors.  Cases of uniform velocity and uniform acceleration-projectile motion. Uniform circular motion  **CHAPTER-PHYSICAL WORLD AND MEASUREMENT**Physics - scope and excitement; nature of physical laws; Physics, technology and society. Fundamental and derived quantity. Length, mass and time measurements; Need for measurement: | : Units of measurement; systems of units; SI units, fundamental units and derived units. Accuracy and precision of measuring instruments;errors in measurement; significant figures.Dimensions of physical quantities, dimensional analysis and its applications. Frame of reference,  **UNIT TEST 1- starts on 13th .** | **CHAPTER-LAWS OF MOTION**Intuitive concept of force. Inertia, Newton’s first law of motion; momentum and Newton’s second law of motion; impulse; Newton’s third law of motion.  **UNIT TEST 1** | Law of conservation of linear momentum and its applications. Equilibrium of concurrent forces. Static and kinetic friction, laws of friction, rolling friction,lubrication.  Dynamics of uniform circular motion:  **UNIT TEST 1- ends on 31st .** |
| Practical- Cycle I   1. Screw Gauge I 2. Screw Gauge II 3. Vernier Callipers   Simple Pendulum | | | | | |
| **SUMMER BREAK (From 03.06.18 to 31.07.18)** | | | | | |