

SAINIK SCHOOL BALACHADI, JAMNAGAR

LESSON PLAN FOR THE ONE MONTH ONLINE CLASSES SESSION 2020-21

- 1 SUBJECT :- PHYSICS
- 2 CLASS :- XI
- 3 MODE OF TEACHING :- CHALK AND TALK +DISCUSSION + LECTURE + ACTIVITY
- 4 INFRASTRURE REQUIRED:- USING AVAILIABLE INFRASTURE
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| S/NO | CHAPTER NAME | TOPIC | VIDEO TO BE SHOWN BEFORE | NCERT ALTERNATE ACTIVITY/ANY ACTIVITY | PRESENTATION | ASSIGNMENT AND ACTIVITY |
|------|----------------------|---|--|---|--|--|
| 1 | PHYSICAL WORLD 2020- | <p>1.1 What is physics ?</p> <p>1.2 Scope and excitement of physics</p> <p>1.3 Physics, technology and Society</p> <p>1.4 Fundamental forces in</p> | <p>https://www.youtube.com/watch?v=xGhuqkbvqSw&list=PLqnSbN61X78z1GG2r8g0mjYVeP6lWXsEa</p> <p>https://www.youtube.com/watch?v=Ewx1bo3Vyzg&list=PLbu_fGT0MPsuUzCT6BZvto0hkcA3dEigi</p> <p>https://www.youtube.com/watch?v=QijmnDHE9II&list=PLbu_fGT0MPsuUzCT6BZvto0hkcA3dEigi&index=2</p> | <p>ACTIVITY BASED ON LAW ON CONSERVATION OF ENERGY</p> <p>ACTIVITY BASED ON LAW ON BASED ON LINEAR MOMENTUM</p> | CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE | NCERT BOOK EXERCISE , SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ |

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| | | <p>Nature</p> <p>1.5 Nature of physical laws</p> | | | | |
| 2 | <p>UNITS AND MEASUREMENT</p> | <p>2.1 Introduction</p> <p>2.2 The international system of units</p> <p>2.3 Measurement of length</p> <p>2.4 Measurement of mass</p> <p>2.5 Measurement of time</p> <p>2.6 Accuracy, precision of instruments and errors in measurement</p> <p>2.7 Significant figures</p> <p>2.8 Dimensions of physical quantities</p> <p>2.9 Dimensional formulae and dimensional equations</p> <p>2.10 Dimensional analysis and its</p> | <p>https://www.youtube.com/watch?v=UuzZYVRcemY</p> <p>https://www.youtube.com/watch?v=sgCtgo4L0vM</p> | <p>ACTIVITY BASED ON A common mistake</p> | <p>CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE</p> | <p>NCERT BOOK EXERCISE , SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ</p> |

| | | applications | | | | |
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| 3 | MOTION IN A STRAIGHT LINE | 3.1 Introduction 3.2 Position, path length and displacement 3.3 Average velocity and average speed 3.4 Instantaneous velocity and speed 3.5 Acceleration 3.6 Kinematic equations for uniformly accelerated motion 3.7 Relative velocity | https://www.youtube.com/watch?v=z46hafsjiJw | ACTIVITY BASED ON LINEAR MOTION | CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE | NCERT BOOK EXERCISE , SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ |
| 4 | MOTION IN A PLANE | 4.1 Introduction 4.2 Scalars and vectors 4.3 Multiplication of vectors by real numbers 4.4 Addition and subtraction of vectors — graphical method 4.5 Resolution of vectors | https://www.youtube.com/watch?v=GuFSt3gLE2U https://www.youtube.com/watch?v=dyDR4Zkx06s https://www.youtube.com/watch?v=ZvPrn3aBQG8 | ACTIVITY BASED ON PROJECTILE MOTION GRAPHICAL ACTIVITY TO OBTAINED EQUATION OF MOTION | CHALK AND TALK WITH SUITABLE POWER POINT PRESENTATION ON THE TIME OF LECTURE | NCERT BOOK EXERCISE , SOLVED EXAMPLE GIVEN IN THE TEXT BOOK AND QUIZ |

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| | | 4.6 Vector addition — analytical method 4.7 Motion in a plane 4.8 Motion in a plane with constant acceleration 4.9 Relative velocity in two dimensions 4.10 Projectile motion 4.11 Uniform circular motion | | | | |
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N.B :-THIS E- LESSON PLAN IS FOR ONE MONTH.

**R K SUVAGIA
PGT PHYSICS
S S BALACHADI**