

PODCAST EPISODES SEASON 1



UNIT 1: KINEMATICS

3 - Displacement/Velocity/Acceleration
4 - 1-D Kinematics: Graphical Representations
5 - 1-D Kinematics: Equations & Problems
6 - 1-D Kinematics: Objects in freefall
8 - 2-D Kinematics: Vector Addition & Resolving Components
9 - 2-D Kinematics - Projectile Motion Problems

UNIT 2: DYNAMICS

10 - Newton's Laws & Solving Force Problems
28 - Identifying 3rd Law Pairs
29 - Systems

UNIT 3: CIRCULAR MOTION & GRAVITATION

11 - Horizontal & Vertical Loops
12 - Gravitational Field, Orbital Period & Orbital Velocity

UNIT 4: ENERGY

13 - Work, Force vs. Displacement Graphs, Work-Energy Theorem
14 - Springs and Hooke's Law
15 - Mechanical Energy Types & Conservation of Energy

UNIT 5: MOMENTUM

16 - Momentum & Collisions & Graphs
17 - Impulse & Graphs
18 - Reading and Using Graphed Data
19 - Center of Mass

UNIT 6: SIMPLE HARMONIC MOTION

20 - Simple Pendula
21 - Conical Pendulum
22 - Oscillating Springs

UNIT 7: TORQUE & ROTATIONAL MOTION

23 - Radians & Rotational Quantities
24 - Kinematics
25 - Moment of Inertia & Torque
26 - Energy
27 - Momentum

COURSE & EXAM PREP

1 - Season 1 Intro & Exam Overview
2 - Parent Functions & Physics Problem Solving Mindset
7 - Math Break - Trigonometric Functions
30 - What's worth memorizing/storing in your calculator
31 - Testing Tips - Multiple Choice
32 - Testing Tips - FRQs
33 - Testing Tips - Experimental Design FRQs

*Free to
download!*



DO YOU HAVE ANY
(CHEMICAL
"ENERGY DRINKS")?

