

Online 1:1 Summer Classes (Physics for Grade 9 & 10)

WEEK 1

Measurements And Experimentation

- Units And Measurements
- Accuracy And Precision
- Scientific Methods

WEEK 2

Kinematics

- Motion And Reference Of Frames
- Speed, Velocity And Acceleration
- Graphical Analysis Of Motion
- Equations Of Motions

WEEK 3

Laws Of Motion

- Newtons Law Of Motion
- Force And Motion
- Balanced And Unbalanced Force
- Applications Of Newtons Laws

WEEK 4

Force, Work, Power And Energy

- Work And Energy
- Power
- Types Of Energy
- Conservation Of Energy
- Simple Machines

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WEEK 5

Light

- Nature And Source Of Light
- Optics And Geometric Optics
- Lenses
- Application Of Light

WEEK 6

Sound

- Nature Of Sound
- Aconstics
- Sound Measurements
- Application Of Sound

WEEK 7

Current Electricity

- Electric Charge
- Electric Circuits
- Current And Voltage
- Electric Power

WEEK 8

Magnetism

- Magnetic Fields
- Magnetic Forces
- Electromagnets
- Application Of Magnetism

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WEEK 9

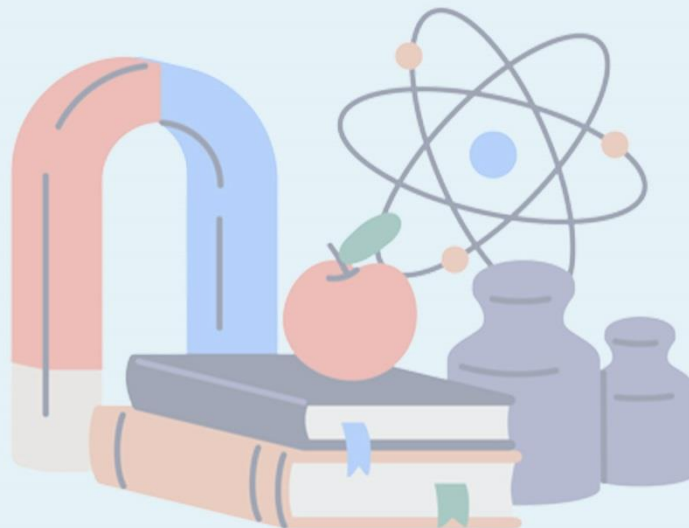
Thermal Physics

- Temperature And Thermal Energy
- Heat Transfer
- Thermal Expansion
- Specific Heat Capacity

WEEK 10

Modern Physics

- Historical Development Of Modern Physics
- Special Theory Of Relativity
- Quantum Mechanics
- Application Of Modern Physics



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