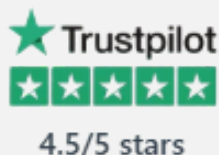
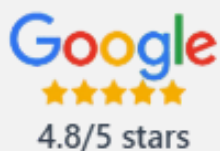




CONNECT2LEARN PERSONALIZED MASTERY PROGRAM

Empowering young minds with personalized learning for a brighter tomorrow.



Contact Us

+91 70038 00460

support@connect2learn.online

BUILT FOR BRILLIANCE

- Connect2Learn

At Connect2Learn, we believe brilliance isn't born – it's built. Our global learning platform is designed to empower every student with personalized, one-on-one education that nurtures skills, confidence, and curiosity. From core academics to creative and future-ready subjects, we connect passionate educators with young minds across the UK, Australia, and the US. With 5,000+ learners and a mission to reach 10,000 more, Connect2Learn is shaping a generation that's not just prepared for the future – but ready to lead it.



Contact Us

+91 70038 00460

support@connect2learn.online

PHYSICS JOURNEY JUMPERS

MODULE -1 WHY DO MATERIALS HAVE DIFFERENT PROPERTIES?

PARTICLE EXPLANATIONS OF DENSITY AND PRESSURE

- Calculating density and measuring volume
- Measuring density
- Pressure in a fluid
- Upthrust calculations
- Explaining convection
- Explaining changes of pressure



ENERGY OF MOVING PARTICLES

- Thermal conduction and insulation
- Effective insulation
- Heating different substances
- Calculating specific heat capacity ($\Delta E = m c \Delta \theta$)
- Measuring specific heat capacity
- A heating curve for water
- Specific latent heat ($E = m L$)



PHYSICS

JOURNEY JUMPERS

MODULE -2 HOW DO FORCES MAKE THINGS HAPPEN?

MEASURING AND CALCULATING MOTION

- Work done calculations ($W = F \times s$)
- Power calculations ($P = W/t$)
- Calculating efficiency (in terms of energy and power)
- Calculating the energy of moving objects ($E_k = 1/2mv^2$)
- The energy of objects in a gravitational field ($E_p = mgh$)
- Calculating energy changes - with complex examples (E_k and E_p)
- Stretching a spring practical
- Stretching a spring analysis and calculations ($F = ke$)
- Calculating the energy of springs ($E_e = 1/2 ke^2$)



PHYSICS

JOURNEY JUMPERS

MODULE -2 HOW DO FORCES MAKE THINGS HAPPEN?

ENERGY OF MOVING OBJECTS

- Work done calculations ($W = F \times s$)
- Power calculations ($P = W/t$)
- Calculating efficiency (in terms of energy and power)
- Calculating the energy of moving objects ($E_k = 1/2mv^2$)
- The energy of objects in a gravitational field ($E_p = mgh$)
- Calculating energy changes - with complex examples (E_k and E_p)
- Stretching a spring practical
- Stretching a spring analysis and calculations ($F = ke$)
- Calculating the energy of springs ($E_e = 1/2 ke^2$)



PHYSICS JOURNEY JUMPERS

MODULE -3 UNDERSTANDING MOTION, SPEED, AND SOUND”

MEASURING WAVES

- Transverse waves
- Representing transverse waves
- Representing longitudinal waves
- Oscilloscope
- Measuring the speed of water waves from distance and time
- The wave equation
- Using the wave speed equations
- Measuring waves in a ripple tank
- Measuring waves on a string
- Measuring the speed of sound in air and solids
- Human hearing
- Probing planet Earth



PHYSICS

JOURNEY JUMPERS

MODULE -4 HOW DO ELECTRICITY AND MAGNETISM WORK?

CIRCUIT COMPONENTS

- Measuring the resistance of a filament lamp
- Resistance of a hot metal
- Measuring the resistance of a diode
- Interpreting I–V graphs
- Potential divider circuits
- LDRs and thermistors



ELECTRIC FIELDS AND CIRCUIT CALCULATIONS

- Electric fields
- Moving electric charge
- Linking current, potential difference and resistance
- Resistance of a wire at a constant temperature
- Analysing series circuits: including complex calculations
- Adding components to a parallel circuit
- Analysing parallel circuits: including complex calculations



VOICES OF TRUST

- CONNECT2LEARN REVIEWS



syed mir aijaz Ali
@trustpilot

★★★★★

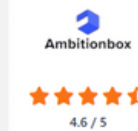
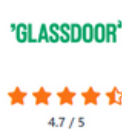
My twins have been taking classes from connect2learn from one year and the experience so far is amazing.



Shalom SharonLily.
@trustpilot

★★★★★

We had great experience with connect2learn. My child's Maths teacher Shambhavi was very friendly and supportive for my child's progress.



CONNECT
</to> LEARN



GROWING TOGETHER

THANK YOU FOR CHOOSING US

Unlock Their Potential with
Personalized 1:1 Learning in Coding,
Math, English & More

24/7 Customer Support

Personal Teacher for 24*7

Live Chat and Call Support



Thank You for Choosing Us

+91 70038 00460

24*7 Support



Contact Us



+91 70038 00460



support@connect2learn.online