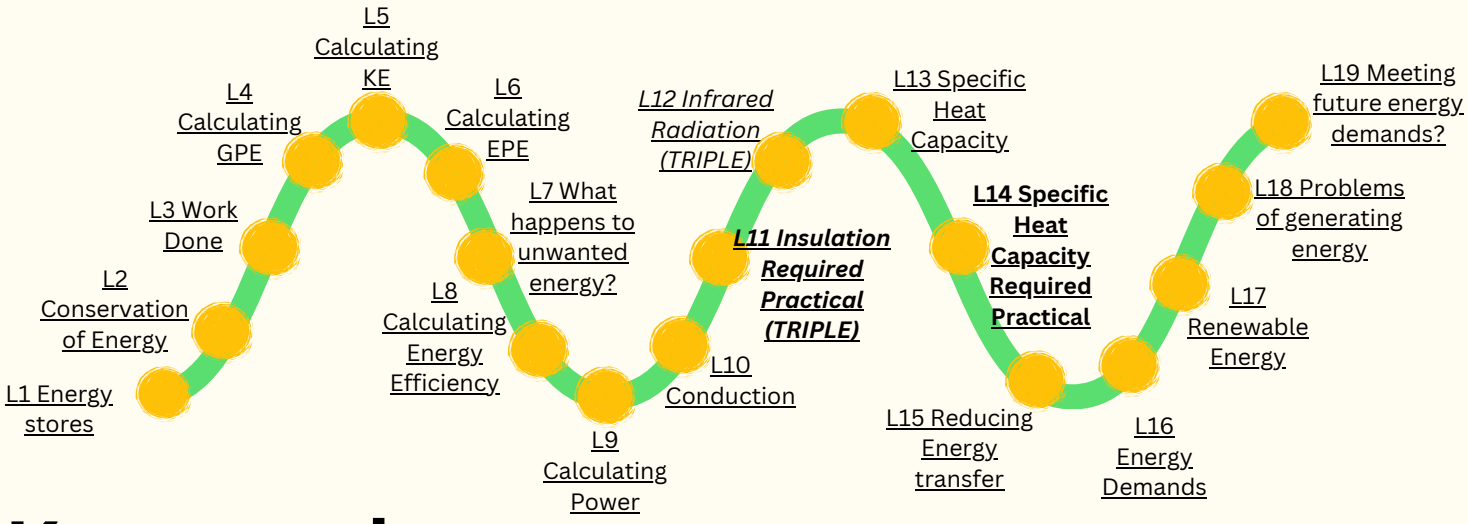
P1 Energy

Physics Paper 1

In this unit, you will learn about how the concept of energy, how it is stored, transferred, and conserved in physical systems, and how to calculate energy changes using key equations. It also examines the efficiency and environmental impact of different energy resources, highlighting the importance of reducing energy waste and shifting towards sustainable solutions.



Key words

- Conservation of energy
- Dissipated energy
- Efficiency
- Elastic potential energy
- Hooke's Law
- Power
- Spring constant (k)
- Work (joules)
- Black body radiation
- Specific heat capacity
- Biofuel
- Carbon-neutral
- Geothermal energy
- National grid
- Nuclear fuel
- Nucleus
- Reactor core
- Renewable energy
- Infrared radiation
- Kinetic Energy
- Gravitational potential Energy

Revision Resources

Sample exam style questions

Cognito Topic 1 Energy

BBC Energy

Free Science Lessons

Seneca Learning

Specific Heat Capacity Required Practical

Insulation Required Practical