

# Year 13 Physics


## Collaboration day work

Exam questions unique for each student have been given out in class. Please complete these before our next lesson.

Seneca tasks have been set for each of you to address areas for improvements identified from mock exams.

Use link below to investigate the inverse square law for gamma radiation. Collect data and draw an appropriate graph before our next lesson.

<https://www.focuselearning.co.uk/u/1749/hhedrvwoknuDhnjytErBhoEfcncDcCcjd>

Return to Main Menu 

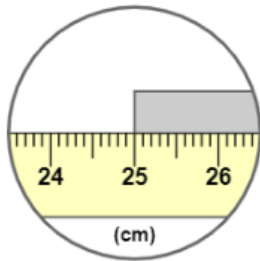
+ expand all      - collapse all

- Introduction
- Stationary waves on a string
- Speed of sound in air
- Young's double slit experiment
- Diffraction grating
- Determining g by free fall
- Young modulus
- Resistivity of a wire
- Emf and internal resistance
- Simple harmonic motion
- Charles's law
- Boyle's law
- Charging and discharging capacitors
- Force on a current carrying conductor
- Magnetic field investigation

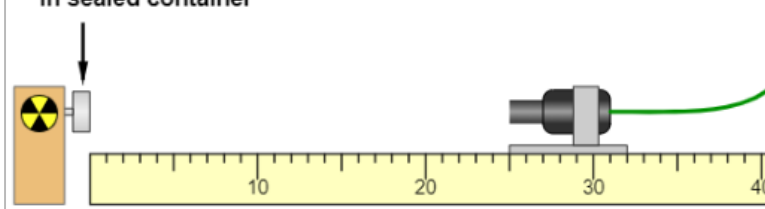
### Inverse-square law for gamma radiation

**00:00**  
min : s




Stop after 60s



radioactive source in sealed container



Drag on the ruler to move the GM tube

       time x 1     time x 10     Measure ba

**Experiment**   Apparatus   Theory   Analysis   Geiger co

The apparatus consists of Geiger counter and radioactive source

▶ Click this button to start the counter and the clock.