Please, download the presentation as a Microsoft power point file to hear the sound and activate the animations

Why Physics? Is it for you?

AS and first year of A-level

Measurements and their errors

Particles and radiation

Waves

Mechanics and energy Electricity

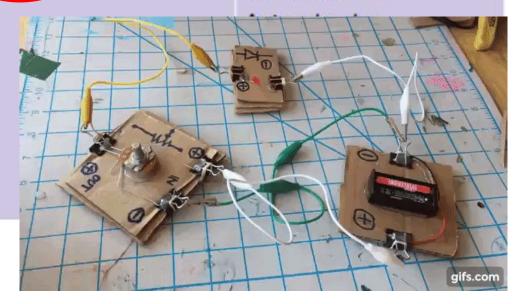
Second year of A-level

Further mechanics and thermal physics

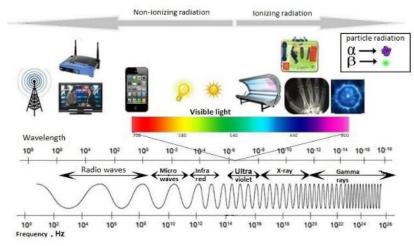
Fields

Nuclear physics

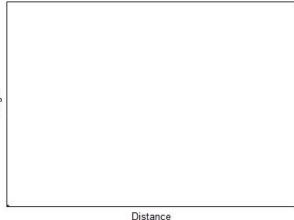
Plus one option from the following - ask your teacher which is offered at your school or college

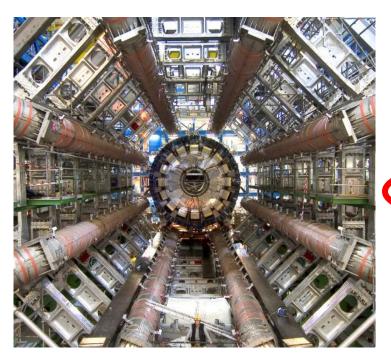


The electromagnetic spectrum









AS and first year of A-level

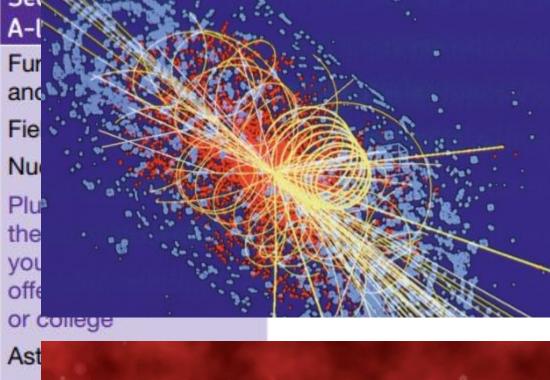
Measurements and their errors

Particles and radiation

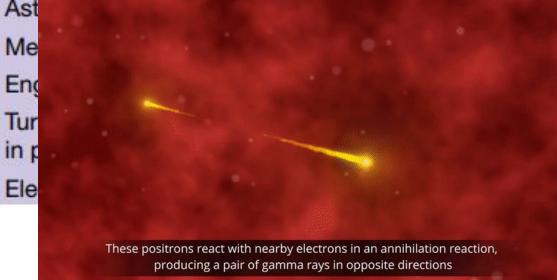
Waves

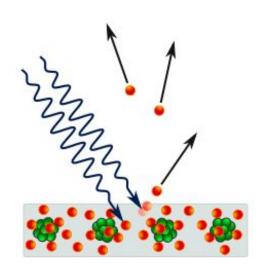
Mechanics and energy

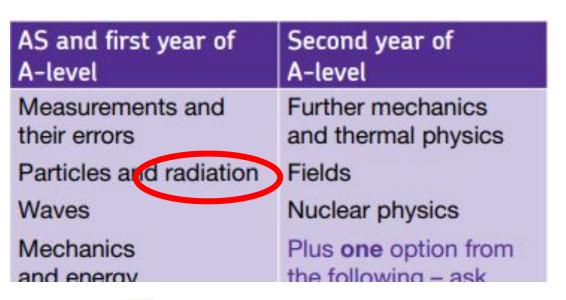
Electricity



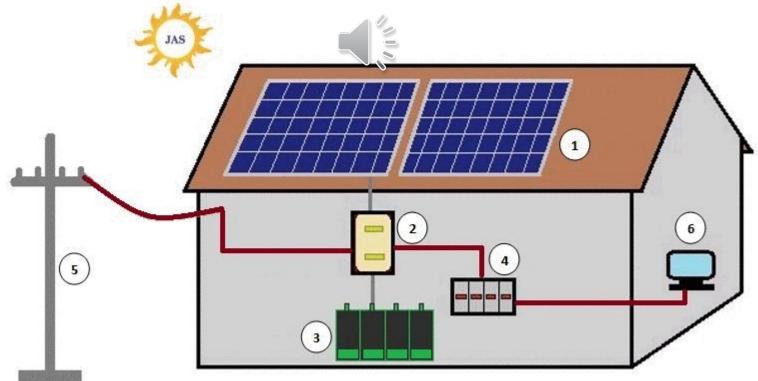


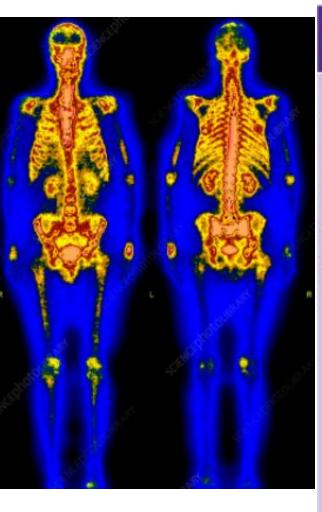












AS and first year of A-level

Measurements and their errors

Particles and radiation

Waves

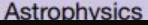
Mechanics and energy Electricity

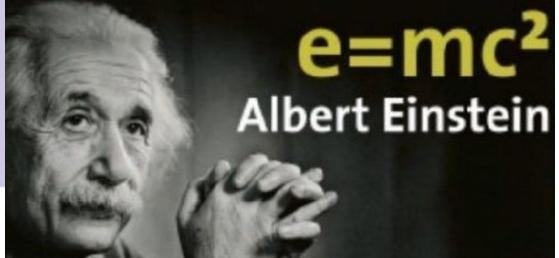
Second year of A-level

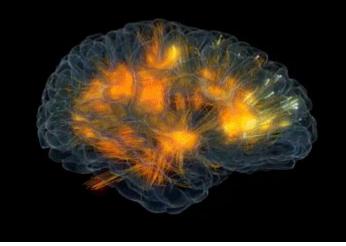
Further mechanics and thermal physics Fields

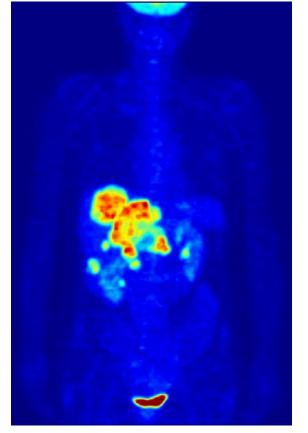
Nuclear physics

Plus one option from the following – ask your teacher which is offered at your school or covege



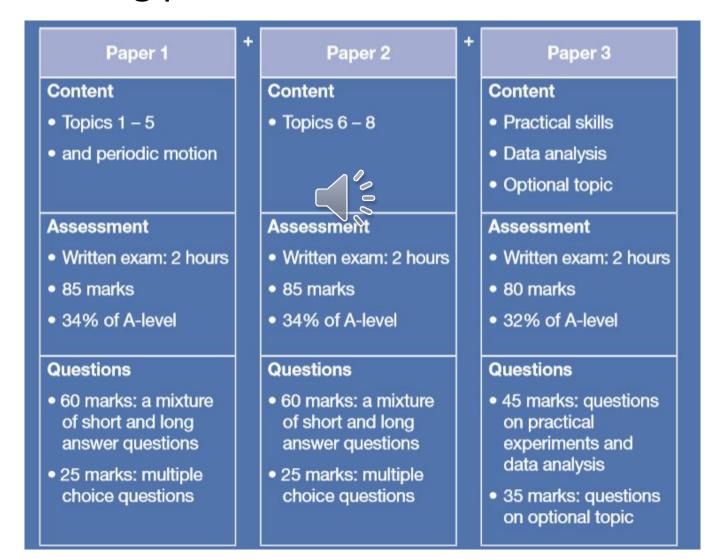




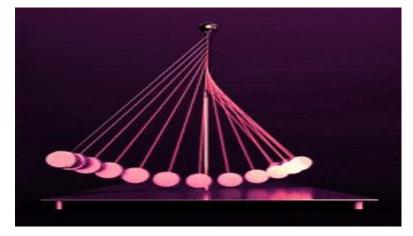


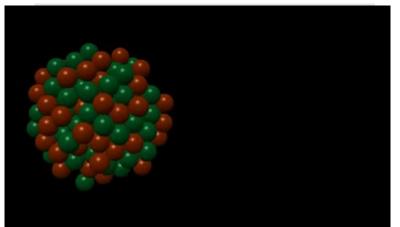
Exams

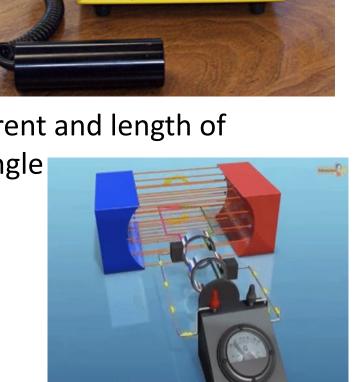
There is no coursework on this course. However, your performance during practicals will be assessed.



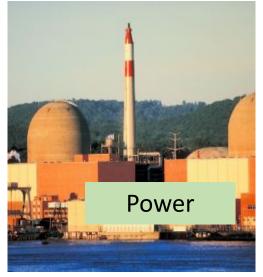
- 1 Investigation into stationary waves
- 2 Investigation of interference effects to include the Young's slit experiment.
- 3 Determination of g by a free-fall method
- 4 Determination of the Young modulus by a simple method.
- 5 Determination of resistivity of a wire
- 6 Investigation of the emf and internal resistance of electric
- 7 Investigation into simple harmonic motion
- 8 Investigation of Boyle's law and Charles's law for a gas.
- 9 Investigation of the charge and discharge of capacitors.
- 10 Investigate how the force on a wire varies with flux density, current and length of
- 11 Investigate, the effect on magnetic flux linkage of varying the angle
- 12 Investigation of the inverse-square law for gamma radiation.









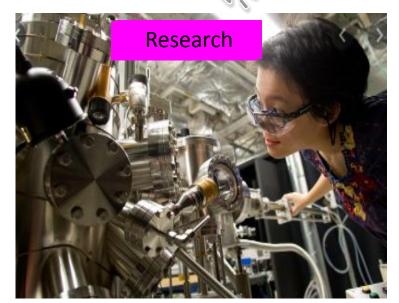






Careers









Good value education 🤤



DISTING A DDICE ON FXAMS

Average salary six years on, by subject taken at A-level			
Further maths	£25,500	Physical education	£20,400
Maths	£22,500	French	£19,900
Physics	£23,700	History	£19,400
Computing	£22,500	English literature	£19,200
Business studies	£21,000	Sociology	£18,300
Geography	£20,900	Art and design	£16,500
Biology	£20,600	Arabic	£14,600

https://www.youtube.com/watch?v=iedbUUX8iJ8&t=7s

If you need further information – call into A215 and see Mr. McDuff
Thank-you for listening

