Combined Physics – Foundation

Торіс	Content
CP1– Motion	Vectors v Scalars, Velocity/time graphs, using the acceleration
	equation
CP2 Motion	Newtons 2 nd Law (F=ma) Mass v Weight (W=mg)
and Forces	
CP3	Energy stores and transfers – using equations for GPE & KE
Conservation	Renewable v Non Renewable energy sources
of Energy	
CP4 - Waves	Describing waves – labelling a wave diagram, Core practical (Ripple
	Tank), Calculating wave frequency
CP5 – Light	Parts of the EM spectrum and their uses
and the EM	
spectrum	
СР6 -	Inside Atoms, charges and masses of Protons, Electrons & Neutrons.
Radioactivity	Radioactive decay and half lives

Combined Physics – Higher

Triple content in bold!

Торіс	Content
CP1– Motion	Vectors v Scalars, velocity time graphs
CP2 Motion and Forces	Resultant forces, momentum equation. Newtons Second Law and core practical (Acceleration trolley)
CP3	Energy stores and transfers – using equations for GPE & KE,
Conservation	efficiency
of Energy	
CP4 - Waves	Waves crossing boundaries – how
CP5 – Light	Order of EM spectrum, energy levels and examples
and the EM	
spectrum	
СР6 -	Different types of Radioactive decay, electrons and energy levels half
Radioactivity	lives, isotopes, nuclear fission, nuclear reactors