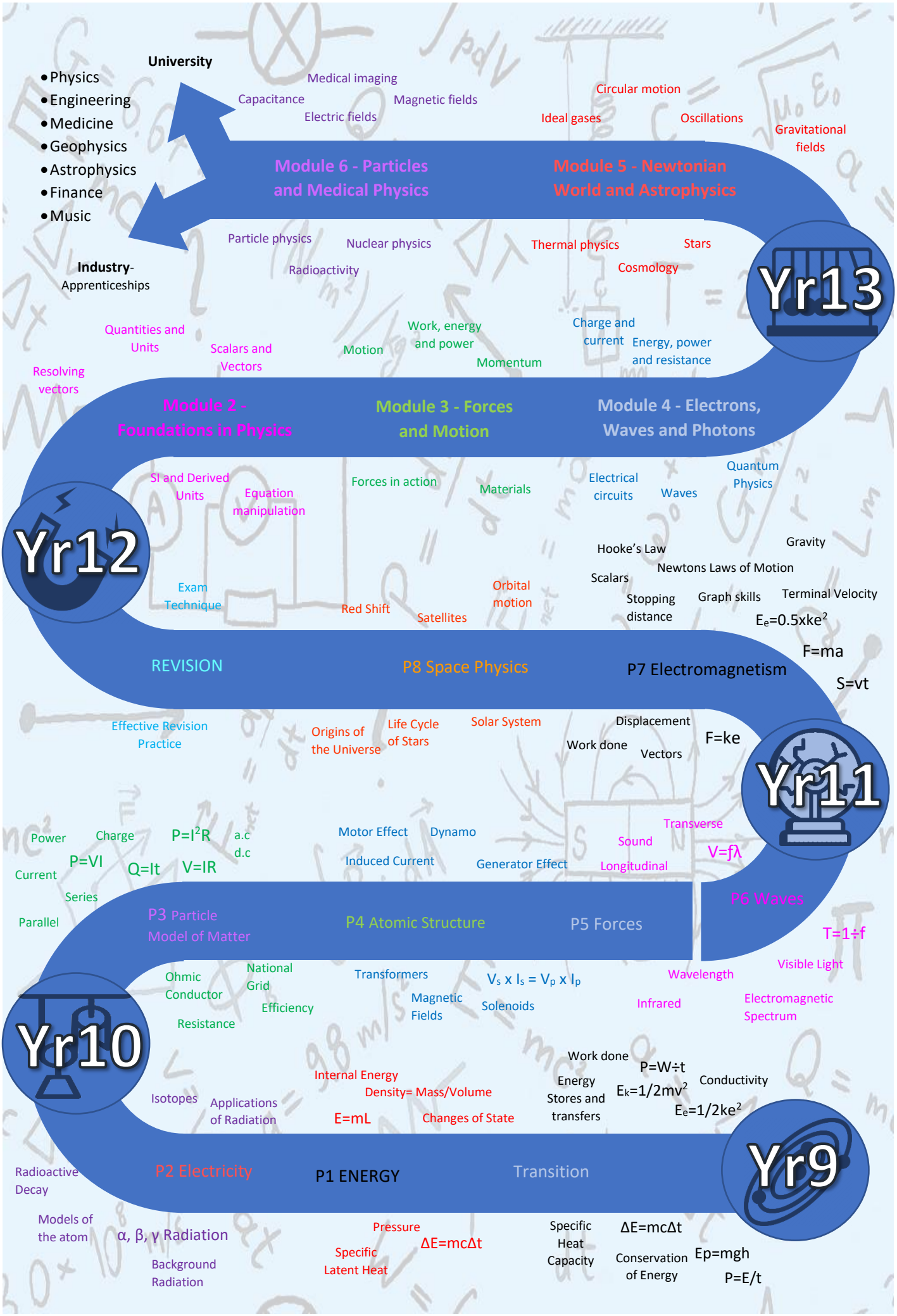

University
Physics
Engineering
Medicine
Geophysics
Astrophysics
Finance
Music
Industry-
Apprenticeships
Medical imaging
Capacitance
Magnetic fields
Electric fields
Circular motion
Ideal gases
Oscillations
Gravitational fields
Module 6 - Particles and Medical Physics
Module 5 - Newtonian World and Astrophysics
Particle physics
Nuclear physics
Thermal physics
Stars
Radioactivity
Cosmology
Yr13
Quantities and Units
Scalars and Vectors
Motion
Work, energy and power
Momentum
Charge and current
Energy, power and resistance
Resolving vectors
Module 2 - Foundations in Physics
Module 3 - Forces and Motion
Module 4 - Electrons, Waves and Photons
SI and Derived Units
Equation manipulation
Forces in action
Materials
Electrical circuits
Waves
Quantum Physics
Yr12
Hooke's Law
Gravity
Newtons Laws of Motion
Scalars
Exam Technique
Red Shift
Satellites
Orbital motion
Stopping distance
Graph skills
Terminal Velocity
$E_e=0.5xke^2$
REVISION
P8 Space Physics
P7 Electromagnetism
F=ma
S=vt
Effective Revision Practice
Origins of the Universe
Life Cycle of Stars
Solar System
Displacement
Work done
Vectors
F=ke
Yr11
Power
Charge
$P=I^2R$
a.c
d.c
Motor Effect
Dynamo
Transverse
Sound
$V=f\lambda$
Current
P=VI
Q=It
V=IR
Induced Current
Generator Effect
Longitudinal
Series
Parallel
P6 Waves
P3 Particle Model of Matter
P4 Atomic Structure
P5 Forces
T=1÷f
Visible Light
Ohmic Conductor
National Grid
Transformers
$V_s \times I_s = V_p \times I_p$
Wavelength
Efficiency
Magnetic Fields
Solenoids
Infrared
Electromagnetic Spectrum
Resistance
Yr10
Work done
P=W÷t
Internal Energy
Density= Mass/Volume
Energy Stores and transfers
$E_k=1/2mv^2$
Conductivity
Isotopes
Applications of Radiation
E=mL
Changes of State
$E_e=1/2ke^2$
Yr9
Radioactive Decay
P2 Electricity
P1 ENERGY
Transition
Models of the atom
α, β, γ Radiation
Pressure
$\Delta E=mc\Delta t$
Specific Latent Heat
Specific Heat Capacity
$\Delta E=mc\Delta t$
Conservation of Energy
Ep=mgh
P=E/t
Background Radiation