

KS4 SCIENCE - Curriculum Path

Physics

Autumn 1

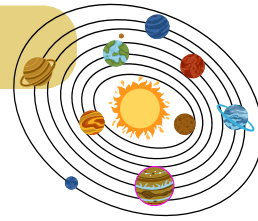
ENERGY



Transfers and conservation

Autumn 2

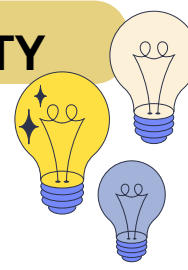
SPACE



The Solar system & Universe

Spring 1

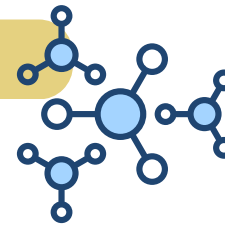
ELECTRICITY



Circuits & electrical safety

Spring 2

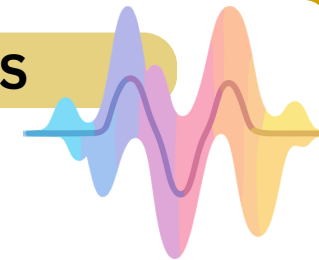
PARTICLE MODEL



States of matter & changes

Summer 1

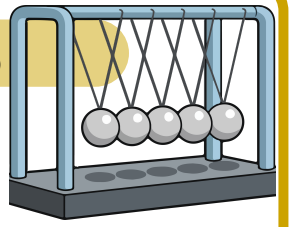
WAVES



Sound & Light waves

Summer 2

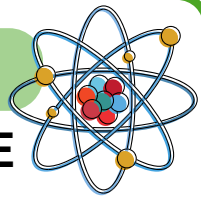
FORCES



Motion & Newton's laws

Chemistry

ATOMIC STRUCTURE



Atoms & the periodic table

ATMOSPHERE



Earth's climate & gases

BONDING & PROPERTIES



Chemical bonds & materials

QUANTITATIVE CHEMISTRY



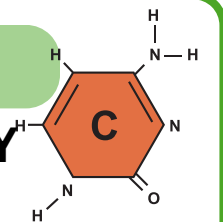
Calculating chemical quantities

ENERGY CHANGES



Reactions & energy transfers

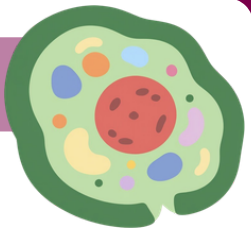
ORGANIC CHEMISTRY



Carbon compounds & life

Biology

CELL BIOLOGY



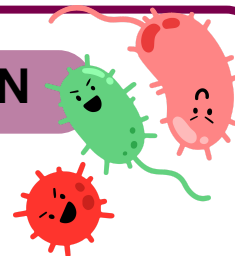
Cells & Cell division

ECOLOGY



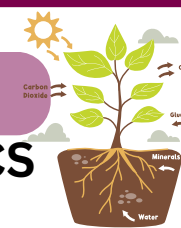
Organisms & ecosystems

INFECTION



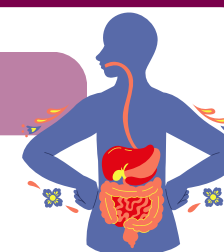
Fighting disease & immunity

BIO-ENERGETICS



Photosynthesis & respiration

HOMEO-STASIS



Body regulation & balance

INHERITANCE



DNA & Genetic traits