



Montgomery Academy Science Department KS3 Science Learning Journey



Year 10 & 11
KS4 Triple
Science

Eukaryotes &
Prokaryotes



Energy from food –
Photosynthesis



Gravity
& Space



Forces



Microscopes &
magnification



Cells



Gas pressure



Kinetic Theory



Chemical structures



Heart & blood



Enzymes



Digestive system

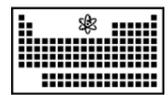


Working Scientifically

Fast & Furious Reactions –
Displacement
& Rates



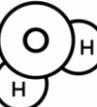
The Periodic Table &
Reactivity Series



Separation Techniques



YEAR
7



Elements, Compounds
& Mixtures



Forces, gravity
& space



YEAR
9*

YEAR
8*



Cell Division &
Osmosis



Atomic structure,
Isotopes & Groups



Linking structure
& properties



Chemical bonds



GPE & kinetic energy



Energy resources



Energy stores
and transfers



Waves &
Colour



Chemical symbols
& formula



Colour &
the Eye



Chemical Reactions



Magnetism



Waves –
Reflection &
Refraction



Electricity



Ecology



Fast & Furious Reactions –
Displacement
& Rates



Inheritance &
variation



The Earth & its
atmosphere



Energy



Separation Techniques

Reproduction



Atoms, Particles,
Density & Pressure



*COVID-19 Catch-Up: Year 8 – Includes Fast & Furious Reactions and Forces missed in year 7 (this moves Keeping Healthy and Energy from food into Year 9 in 2021-2022. Year 9 – Starting with Energy from Food and then Waves as missed in Year 8.