



Montgomery Academy Science Department KS3 Science Learning Journey



Year 10 & 11
KS4 Triple
Science



Atomic structure & Isotopes



Osmosis

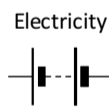


Mitosis & Stem Cells

Eukaryotes & Prokaryotes



Magnetism



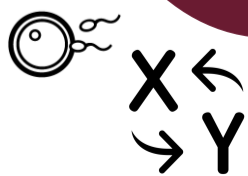
Electricity



Muscles & Skeleton



Reproduction



Gas pressure



Kinetic Theory



Chemical structures



Heart & blood



Density



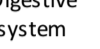
Linking structure & properties

Chemical bonds



GPE & kinetic energy

Digestive system



Enzymes



Working Scientifically

YEAR 9

Groups in the Periodic table



Energy stores and transfers



Energy resources



Photosynthesis



Energy from food



Waves

Inheritance & variation



Chemical Reactions

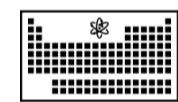


Ecology

Chemical symbols & formula



Forces, gravity & space



The Periodic Table & Reactivity Series

YEAR 8

Keeping Healthy – Respiration



Fast & Furious Reactions – acids & alkalis



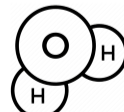
Separation Techniques



The Earth & its atmosphere



Elements, Compounds & Mixtures



Energy

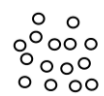


Microscopes & magnification

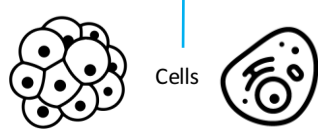


YEAR 7

Atoms & Particles



Cells



‘Nothing in life is to be feared, it is only to be understood’ – Marie Curie
Albert Einstein – ‘The important thing is to never stop questioning’