KS3 Science Pathway

LORETO - SCIENCE

LORETO

Skills For Life

KS4

Forces

Yr9 Space

Yr9 Forces and representing forces

Yr8 Motion and pressure

Yr7 Space

Yr9 Force Fields

I can recall Newton's Laws of motion

Yr9 Forces and Motion Relationships

Yr7 Forces

Energy

Yr9 Waves & transfer of energy

Yr9 Electrical circuits and uses

Yr8 Energy

I can explain how energy is stored and transferred

Yr7 Light

Particles

I can recall the properties of ceramics and polymers

Yr9 Using materials in everyday life

Yr9 Atmosphere around us

Yr9 The Particle Model

I can calculate power and efficiency

Yr7 Sound

Yr8 Electricity and Magnetism

Yr9 Energy stores and pathways

Yr9 Renewable and non-renewable resources

Year 9

Mastery in science

Yr9 Movement of Substances

Yr8 Separation techniques

I can draw the particle arrangement in solids, liquids and gases

Yr9 Energy Changes

Yr9 Key Equations in Chemistry

Yr9 Atomic Structure & The Periodic Table

Atoms and elements

Year 8

Yr7 Particles and behavior

I can identify different acids and alkalis

Yr7 Acids and Alkalis

Yr9 Organic Chemistry Structure

Yr8 Earth Structure

I can explain the difference between an atom, an element and a compound

Yr8 Metals and other materials

Yr8 Periodic table

Stepping further in science

I can plan and complete a practical

Cycles

I can describe the structure of DNA

Yr8 Inheritance

Yr9 Biological processes

Yr9 Carbon and nitrogen cycles

Reproductive and hormone cycles

Yr7 Chemical reactions

Yr7 Elements, Atoms and compounds

Yr9 Food Chains& Adaptations

I can draw food chain and food webs

Yr8 Ecosystems and adaptation

Yr8 Biological Processes

I can use a microscope

Yr7 Reproduction

Cells

I can name and use scientific equipment safely

Yr7 Structure and Function of Systems

Yr8 health and lifestyle

I can recall the 8 Essential Skills!

Yr9 Diseases in the body

Yr9 Organ Systems and tissues

I can name key bones in the body and explain their function

Yr9 DNA and Chromosomes

Yr9 Structure and Function of Cells

I can label and describe the parts of animal and plant cells

Yr7Cells

I can recall the science safety rules

Year 7

Stepping up to science

Cells	Particles	Forces	Interdependence	Atoms and Elements	Energy	Required Practical skills

Excellence Truth Justice Sincerity Freedom Joy Internationality