

Science Learning Journey Year 8



Featherstone High School

Understanding and Applying Scientific Skills

- Understanding variables
- Drawing graphs and analysing graphical data
- Writing methods
- Analysis of secondary data
- Assessing impact of scientific concepts
- Modelling scientific concepts
- Understanding relationships between science and society
- Drawing conclusions
- Identify, describe, explain, apply, link scientific concepts
- Applying maths to the scientific concepts
- Risk Assessment
- Describe patterns

YEAR
9

Light



Reflection



The eye

Colours



Light

Refraction



The camera



Genes and extinction

Inherited variation

Genetics and Evolution

Natural Selection

DNA



Environmental variation

Sedimentary rock

Igneous rock and metamorphic rock

Rocks

The rock cycle

Weathering and Erosion

The Earth and its element



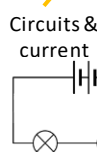
Charging up



Magnets and magnetic fields



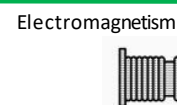
Electricity



Circuits & current

Series and parallel

Resistance



Electromagnetism

Getting Oxygen



Aerobic Respiration

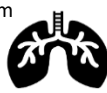


Muscles and Breathing

Breathing and Respiration

Comparing gas exchange

Gas exchange system



Global warming

Air pollution

Oxidation

Combustion

Fire safety



Burning fuels

Energy

Energy transfer - particles

Conduction & Convection

Energy & Power

Energy resources



Energy & food

Energy adds up

Energy & Temperature

Radiation

Classification and biodiversity



Pollination

Plants and Reproduction

Types of reproduction

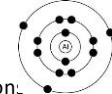
Fertilisation and dispersal



Metals properties

Chemical properties

Dalton's Atomic Model



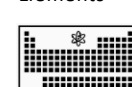
The Periodic table

Metals and acids

Metals and water

Metals and non-metals

Elements



YEAR
8