KEY STAGE 2 LEARNING JOURNEY

Understanding and Applying Scientific Skills

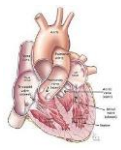
Year 5 → Year 7

- Asking questions
- Using Equipment
- Presenting Evidence
- Drawing Conclusions
- Evaluating Outcomes
- Planning detail
- Making Observations
- Explaining Evidence

Move to KS3

The Circulatory System

- Exercise and a healthy diet
- Transportation of water and nutrients
- Parts of the heart

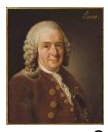


- Impact of smoking and drugs

- Functions of blood

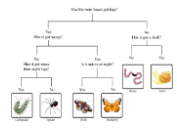
Living things and their habitats- classification

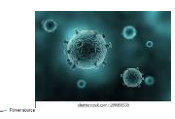
- Mould Investigation



- Carl Linnaeus

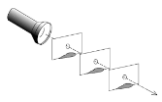
- Classifying Animals
- Classification





- Micro-organisms
- Classifying plants

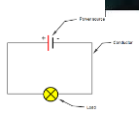
- Evolution



- How does light travel?

- Refraction

- Light Spectrum



- Design a simple circuit

- Circuit problem solving
- Non-renewable energy sources

- Adaptation
- Fossils

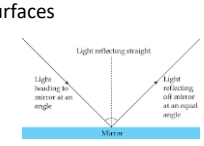
- Charles Darwin

- Acquired characteristics

Light

- Light Sources

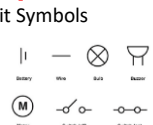
- UV Protection
- Types of Science Enquiry
- Reflective surfaces



- Periscopes
- Shadows

Electricity

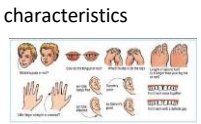
- Circuit Symbols



- Voltages
- Renewable energy sources

Evolution

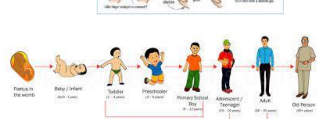
- Inherited characteristics



YEAR 6

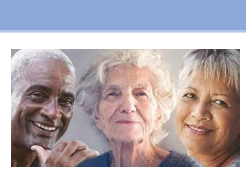
- Old Age

- Development Milestones
- The Human Life Cycle



- Burning Investigation

Animals Including Humans



- Foetal development

- Irreversible Changes
- Reversible changes

- Properties of materials

- Separating techniques

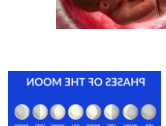
- Electrical Conductors

- 5 Science Enquiry Types

- mechanisms

- Cogs and gears

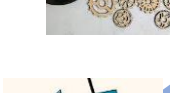
- The Solar System



- Phases of the moon

Properties and changes of materials

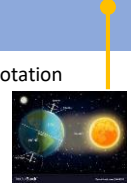
- Investigate absorbency



- Friction

- Air resistance

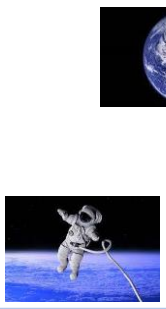
- Spherical Earth
- Earth's Rotation



- What is a material?

- Classification

- Understanding gravity



- Plant Life cycle

- Insect Life cycle

- Amphibian life cycle

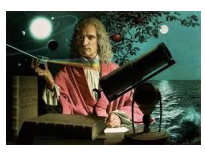
- Mammal Life cycle

- Life processes

- Welcome to the science lab

- Water resistance

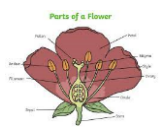
- Sir Isaac Newton



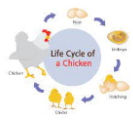
Living things and their habitats

YEAR 5

- Plant reproduction



- Parts of a flower



- Life cycle of birds

- Sir David Attenborough Best Write
- Cress Investigation

CROSS-CURRICULAR LINKS

Line Graphs	→	Mathematics	Gestation periods	→	Mathematics
Measuring	→	Mathematics	Renewable and Non-renewable energy	→	Geography
Blackout	→	English writing	Night and day/ climates	→	Geography
The Moth	→	History and English	Materials	→	Art & Design