Subject Learning Journey - Applied Science

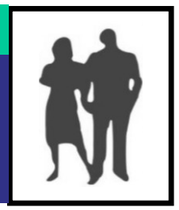
Hugh Christie

Unit 5: Investigating Science

- Prepare for a Scientific Investigation
- Carry out Investigation
- Analyse, Conclude and Evaluate Investigation
- Present Investigation

Unit 6: Optional Portfolio

- Microbiology
- Medical Physics
- Organic Chemistry



SCIENCE

Nerve Impulses

Unit 4: The Human Body

- The Nervous System and the Brain
- Musculoskeletal System and Movement
- Digestive System and Diet

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Unit 3: Science in the Modern World

- Roles and Responsibilities of Scientific Personnel
- Ethical, Moral, Commercial, Environmental, Political and Social Issues
- Public Perception of Science
- Scientific Issues from Media Sources

Resistivity

Specific Heat Capacity

Unit 1: Core Physics

- Useful Energy and Efficiency - Resources
- Electricity and Circuits
- Dynamics
- Dynamics - Newton's Laws
- Dynamics - SUVAT Equations

Unit 2: Applied Experimental Techniques

- Respiration
- Photosynthesis
- Volumetric Analysis
- Colorimetry

Useful Energy and Efficiency - Uvalues

Unit 1: Core Chemistry

Useful Energy and Efficiency

- Enthalpy Change
- Ionic and Covalent Properties
- Bonding and Structure
- Analysing Results
- Balancing Equations
- Amount of Substance
- Periodic Table
- Relative Mass
- Emission Spectra
- Atomic Structure

Biology

Food Chains and Productivity

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Unit 1: Core Biology

- Cell Structure
- Cell Function
- Transport and Mechanisms
- The Heart
- Homeostasis
- Osmoregulation
- Breathing
- Cellular Respiration
- Photosynthesis