

Year 8 Sciences Overview

Unit	Key Concept	Related Concept	Global Contexts & Explorations	Statement of Inquiry	Skills	Areas of learning
Feel the heat!	Systems	Transformation, Interaction	Identities and relationships: Health and Wellbeing, Lifestyle Choices	Understanding how our body systems interact, transforming food into energy, allowing us to make healthy lifestyle choices.	Information literacy	<ul style="list-style-type: none"> - Food groups and nutrition - Digestive system - Circulatory system - Respiratory System - Respiration
Cooking Chemistry	Change	Energy, form	Scientific and Technical Innovation - Systems, models, methods, products and processes	Exploring cooking processes enables us to understand energy changes in different forms.	Information literacy	<ul style="list-style-type: none"> - Particle theory - Heat transfer - Elements, Compounds & Mixtures - Solutions, Colloids, & Emulsions - Chemical & physical reactions - Separation techniques - Skill: collecting, processing, interpreting, and organising data
Electrical Engineering	Systems	Transformation, Function	Scientific and Technical Innovation - Modernization, Industrialization, and Engineering	Electronic systems transform signals to complete a specific function.	Critical Thinking	<ul style="list-style-type: none"> - Current, Voltage, & Resistance - Series & Parallel Circuits - Ohm's Law - Coding - Arduinos & Sensors