

**Y8 Science Overview**

Unit #	Unit title	Key Concept	Related Concepts	Global Context and Explorations	Statement of Inquiry	Skills	Assessment Criteria
1	Cooking Chemistry	Change	Energy Form	Scientific and Technical Innovation - <i>Systems, models, methods, products and processes</i>	Exploring cooking processes enables us to understand energy changes in different forms.	Thinking Critical thinking skills <i>- Processing and Evaluating</i>	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating D- Reflecting on the impact of science
2	Feel the Heat	Systems	Transformation Interaction	Scientific and Technical Innovation - <i>Systems, models, methods, products and processes</i>	Body systems interact to transform energy into different forms.	Thinking Critical thinking skills <i>- Revise understanding based on new information and evidence</i>	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating
3	Machine Learning	Systems	Function Transformation	Scientific and Technical Innovation - <i>Modernization, Industrialization, and Engineering</i>	Electronic systems transform signals to fit a particular function.	Thinking Critical thinking skills <i>- Interpret data - Draw reasonable conclusions and generalizations</i>	A- Knowing and Understanding D- Reflecting on the impact of science

4	Climate Change	Change	Environment	Globalisation and Sustainability - <i>the impact of decision making on humankind and the environment.</i>	We must consider sustainability and the impact on the environment when developing our communities.	Research Information literacy skills - <i>Finding, interpreting, judging, and creating information</i> - <i>Collect and analyse data to identify solutions and make informed decisions</i>	Formative - D- Reflecting on the impact of science
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