

Y7 Science Overview

Unit #	Unit title	Key Concept	Related Concept	Global Context and Explorations	Statement of Inquiry	Skills	Assessment Criteria
1	Scientific Investigators	Relationships	Patterns Evidence	Scientific and Technical Innovation <i>- variables, processes and solutions.</i>	Looking for evidence of patterns allows us to predict relationships between variables.	Research Information literacy <i>- Finding, interpreting, judging, and creating information</i> <i>- Collect and analyse data to identify solutions and make informed decisions</i> <i>- Process data and report results.</i>	A - Knowing and Understanding B- Inquiring and Designing
2	Power the World	Change	Energy Consequences	Globalisation and Sustainability <i>- human impact on the environment.</i>	Changing forms of energy that enhances our lifestyle also has an impact on our environment, and as a consequence we may need to find other sources.	Research Information literacy skills <i>- Access information to be informed and inform others</i> <i>- Create references and construct a bibliography according to APA conventions.</i> Media literacy skills <i>-Locate, organize, analyse, evaluate, synthesise and ethically use information from a variety of sources and media.</i>	C- Processing and Evaluating D- Reflecting on the impact of science
3	Alive!	Systems	Transformation Function	Identities and Relationships <i>- physical, psychological and social development</i>	Systems respond to needs by transforming structure and function as they develop.	Communication <i>- structure information in summaries, essays and reports</i> Thinking <i>- generate metaphors and analogies</i>	A- Knowing and Understanding B- Inquiring and Designing C- Processing and Evaluating

4	Beyond Earth	Systems	Form Interactions	Scientific and Technical Innovation <i>- the impact of scientific and technological advances on communities and environments</i>	Understanding the systems that form the universe allows us to explore potential advances to humankind.	Thinking Critical-thinking skills <i>- Analyzing and evaluating issues and ideas</i> <i>- Draw reasonable conclusions and generalizations.</i>	D- Reflecting on the impact of science
---	--------------	---------	-------------------	---	--	---	--