



STUDY GUIDE

Year 9 Science

Chapter 1

Science Inquiry Skills

Chapter 1

Assessment

Task

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Chapter	Content Description	Elaborations
Science Inquiry Skills Chapter 1 (2 weeks)	Questioning and predicting	Formulate questions or hypotheses that can be investigated scientifically (AC SIS164)
	Planning and conducting	Plan, select and use appropriate investigation methods, include field work and laboratory experimentation, to collect reliable data; assess risk and address ethical issues associated with these methods (AC SIS165) Select and use appropriate equipment, include digital technologies, to systematically and accurately collect and record data (AC SIS166)
	Processing and analysing data and information	Analyse patterns and trends in data, include describe relationships between variables and identify inconsistencies (AC SIS169) Use knowledge of scientific concepts to draw conclusions that are consistent with evidence (AC SIS170)
	Evaluating and Communicating	Evaluate conclusions, include identify sources of uncertainty and possible alternative explanations, and describe specific ways to improve the quality of the data (AC SIS171) Critically analyse the validity of information in secondary sources and evaluate the approaches used to solve problems (AC SIS172) Communicate scientific ideas and information for a particular purpose, include construct evidence-based arguments and use appropriate scientific language, conventions and representations (AC SIS174)