

Stile

Victorian Curriculum
Foundation-10

	Biology									Chemistry				Earth and Space				Physics				General Science		Templates								
	Cells	Plant Cells	Stem Cells	Classification	Kingdoms	Food Chains and Food Webs	Invasive Species	Body Systems	Reproduction	Healthy Eating	Mixtures	Separation techniques	States of Matter	Physical & Chemical Change	Elements and Compounds	Our Place In Space	Tides	Resources	The Water Cycle	Active Earth	Minerals	Forces	Simple Machines	Energy	Heat	Light	Sound	Introduction to Science	Science News	Engineering Challenges	Science Investigations	
Energy appears in different forms, including movement (kinetic energy), heat and potential energy, and energy transformations and transfers cause change within systems VCSSU104																								☑	☑							
Light can form images using the reflective feature of curved mirrors and the refractive feature of lenses, and can disperse to produce a spectrum which is part of a larger spectrum of radiation VCSSU105																										☑						
The properties of sound can be explained by a wave model VCSSU106																										☑						

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The Nervous System	The Endocrine System	The Immune System	Microbiomes	Genetics and Simple Inheritance	Evolution	Ecosystems	Atoms	Chemical Reactions	Acids and Bases	Reactions and Energy	Reaction Types	The Periodic Table	Metals	Active Earth	Earthquakes	Earth Systems	The Universe	Comets	Mass extinctions	Heat	Radiation	Electrical circuits	Magnets	Energy Conservation	Kinematics	Newtons Laws of Motion	Science News	Engineering Challenges	Science Investigations

Level 9 and 10

Science as a human endeavour

Scientific understanding, including models and theories, is contestable and is refined over time through a process of review by the scientific community	VCSSU114			☑	☑			☑	☑	☑	☑	☑		☑	☑	☑	☑	☑	☑												☑		
Advances in scientific understanding often rely on developments in technology and technological advances are often linked to scientific discoveries	VCSSU115			☑		☑	☑	☑	☑	☑	☑	☑		☑		☑	☑			☑	☑		☑			☑	☑	☑			☑		
The values and needs of contemporary society can influence the focus of scientific research	VCSSU116	☑	☑	☑	☑			☑	☑	☑			☑	☑	☑	☑	☑			☑	☑	☑				☑	☑			☑			

Science inquiry skills

Formulate questions or hypotheses that can be investigated scientifically	VCSIS134			☑				☑		☑	☑	☑	☑	☑	☑		☑			☑	☑		☑	☑		☑	☑					☑	
Independently plan, select and use appropriate investigation types, including fieldwork and laboratory experimentation, to collect reliable data, assess risk and address ethical issues associated with these investigation types	VCSIS135			☑				☑		☑	☑	☑		☑	☑	☑				☑		☑	☑			☑	☑					☑	
Select and use appropriate equipment and technologies to systematically collect and record accurate and reliable data, and use repeat trials to improve accuracy, precision and reliability	VCSIS136			☑				☑		☑	☑		☑	☑	☑					☑		☑	☑			☑	☑					☑	
Construct and use a range of representations, including graphs, keys, models and formulas, to record and summarise data from students' own investigations and secondary sources, to represent qualitative and quantitative patterns or relationships, and distinguish between discrete and continuous data	VCSIS137			☑		☑		☑	☑	☑	☑		☑	☑	☑					☑			☑			☑	☑					☑	
Analyse patterns and trends in data, including describing relationships between variables, identifying inconsistencies in data and sources of uncertainty, and drawing conclusions that are consistent with evidence	VCSIS138	☑	☑	☑				☑	☑	☑	☑			☑		☑	☑			☑		☑	☑			☑	☑			☑		☑	
Use knowledge of scientific concepts to evaluate investigation conclusions, including assessing the approaches used to solve problems, critically analysing the validity of information obtained from primary and secondary sources, suggesting possible alternative explanations and describing specific ways to improve the quality of data	VCSIS139	☑		☑	☑	☑	☑	☑		☑			☑	☑		☑				☑				☑	☑	☑	☑	☑			☑		☑
Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations	VCSIS140		☑	☑		☑	☑	☑		☑	☑			☑		☑	☑			☑	☑	☑	☑	☑	☑	☑	☑	☑			☑		☑

Biology

