

Victorian Curriculum F-10

CD Code	Area	Discipline	Level	Strand	Content Description
VCCCTM031	Capabilities	Critical and Creative Thinking	Levels 5 and 6	Meta-Cognition	Investigate how ideas and problems can be disaggregated into smaller elements or ideas, how criteria can be used to identify gaps in existing knowledge, and assess and test ideas and proposals
VCCCTM042	Capabilities	Critical and Creative Thinking	Levels 7 and 8	Meta-Cognition	Consider how problems can be segmented into discrete stages, new knowledge synthesised during problem-solving and criteria used to assess emerging ideas and proposals
VCCCTQ032	Capabilities	Critical and Creative Thinking	Levels 7 and 8	Questions and Possibilities	Consider how to approach and use questions that have different elements, including factual, temporal and conceptual elements
VCCCTR025	Capabilities	Critical and Creative Thinking	Levels 5 and 6	Reasoning	Consider the importance of giving reasons and evidence and how the strength of these can be evaluated
VCMMG224	Mathematics	Mathematics	Level 6	Measurement and Geometry	Solve problems involving the comparison of lengths and areas using appropriate units
VCMMG258	Mathematics	Mathematics	Level 7	Measurement and Geometry	Establish the formulas for areas of rectangles, triangles and parallelograms and use these in problem solving
VCMNA214	Mathematics	Mathematics	Level 6	Number and Algebra	Add and subtract decimals, with and without digital technologies, and use estimation and rounding to check the reasonableness of answers
VCMNA215	Mathematics	Mathematics	Level 6	Number and Algebra	Multiply decimals by whole numbers and perform divisions by non-zero whole numbers where the results are terminating decimals, with and without digital technologies
VCMNA251	Mathematics	Mathematics	Level 7	Number and Algebra	Introduce the concept of variables as a way of representing numbers using letters
VCMSP236	Mathematics	Mathematics	Level 6	Statistics and Probability	Interpret secondary data presented in digital media and elsewhere
VCMSP270	Mathematics	Mathematics	Level 7	Statistics and Probability	Calculate mean, median, mode and range for sets of data. Interpret these statistics in the context of data

CD Code	Area	Discipline	Level	Strand	Content Description
VCMSP299	Mathematics	Mathematics	Level 8	Statistics and Probability	Explore the variation of means and proportions of random samples drawn from the same population
VCSIS086	Science	Science	Levels 5 and 6	Science Inquiry Skills	Compare data with predictions and use as evidence in developing explanations
VCSIS111	Science	Science	Levels 7 and 8	Science Inquiry Skills	Use scientific knowledge and findings from investigations to identify relationships, evaluate claims and draw conclusions
VCSIS112	Science	Science	Levels 7 and 8	Science Inquiry Skills	Reflect on the method used to investigate a question or solve a problem, including evaluating the quality of the data collected, and identify improvements to the method
VCSIS088	Science	Science	Levels 5 and 6	Science Inquiry Skills	Communicate ideas and processes using evidence to develop explanations of events and phenomena and to identify simple cause-and-effect relationships
VCSIS113	Science	Science	Levels 7 and 8	Science Inquiry Skills	Communicate ideas, findings and solutions to problems including identifying impacts and limitations of conclusions and using appropriate scientific language and representations
VCSIS140	Science	Science	Levels 9 and 10	Science Inquiry Skills	Communicate scientific ideas and information for a particular purpose, including constructing evidence-based arguments and using appropriate scientific language, conventions and representations
VCSIS083	Science	Science	Levels 5 and 6	Science Inquiry Skills	With guidance, plan appropriate investigation types to answer questions or solve problems and use equipment, technologies and materials safely, identifying potential risks
VCSIS108	Science	Science	Levels 7 and 8	Science Inquiry Skills	Collaboratively and individually plan and conduct a range of investigation types, including fieldwork and experiments, ensuring safety and ethical guidelines are followed
VCSIS109	Science	Science	Levels 7 and 8	Science Inquiry Skills	In fair tests, measure and control variables, and select equipment to collect data with accuracy appropriate to the task
VCSIS136	Science	Science	Levels 9 and 10	Science Inquiry Skills	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
VCSIS107	Science	Science	Levels 7 and 8	Science Inquiry Skills	Identify questions, problems and claims that can be investigated scientifically and make predictions based on scientific knowledge
VCSU074	Science	Science	Levels 5 and 6	Science Understanding	Living things have structural features and adaptations that help them to survive in their environment

CD Code	Area	Discipline	Level	Strand	Content Description
VCSSU075	Science	Science	Levels 5 and 6	Science Understanding	The growth and survival of living things are affected by the physical conditions of their environment
VCSSU091	Science	Science	Levels 7 and 8	Science Understanding	There are differences within and between groups of organisms? classification helps organise this diversity
VCSSU093	Science	Science	Levels 7 and 8	Science Understanding	Interactions between organisms can be described in terms of food chains and food webs and can be affected by human activity
VCSSU094	Science	Science	Levels 7 and 8	Science Understanding	Multicellular organisms contain systems of organs that carry out specialised functions that enable them to survive and reproduce
VCSSU121	Science	Science	Levels 9 and 10	Science Understanding	Ecosystems consist of communities of interdependent organisms and abiotic components of the environment? matter and energy flow through these systems
VCSSU098	Science	Science	Levels 7 and 8	Science Understanding	Chemical change involves substances reacting to form new substances
VCSSU126	Science	Science	Levels 9 and 10	Science Understanding	Chemical reactions, including combustion and the reactions of acids, are important in both non-living and living systems and involve energy transfer
VCSSU101	Science	Science	Levels 7 and 8	Science Understanding	Water is an important resource that cycles through the environment
VCSSU089	Science	Science	Levels 7 and 8	Science Understanding	Scientific knowledge and understanding of the world changes as new evidence becomes available; science knowledge can develop through collaboration and connecting ideas across the disciplines and practice of science
VCSSU090	Science	Science	Levels 7 and 8	Science Understanding	Science and technology contribute to finding solutions to a range of contemporary issues? these solutions may impact on other areas of society and involve ethical considerations
VCSSU115	Science	Science	Levels 9 and 10	Science Understanding	Advances in scientific understanding often rely on developments in technology and technological advances are often linked to scientific discoveries