

CSF Learning Outcomes Level 5 and 6

Links with the Curriculum and Standards Framework

By developing a topic on energy or including energy, a wide range of Learning Outcomes from the Key Learning Areas (The Arts, English, Mathematics, Science, SOSE and Technology) can be achieved.

LEVEL 5

KLA / Strand / Learning Outcome	Learning outcome code
ARTS	
Art Arts practice – ideas, skills, techniques and processes Demonstrate a range of skills, techniques and processes in organising art elements, principles and concepts to structure art works.	ARAR0502
Visual communication Arts practice – ideas, skills, techniques and processes Use starting points to generate and expressively develop ideas and messages when making and presenting visual communication.	ARVC0501
ENGLISH	
Speaking and listening Texts Listen to and produce a range of spoken texts dealing with some challenging themes and issues.	ENSL0501
Reading Texts Read and justify interpretation of a range of texts that present some challenging themes and issues.	ENRE0501
Writing Texts Use a range of text types to write about some challenging themes and issues.	ENWR0501
MATHEMATICS	
Space Location Draw and interpret diagrams representing familiar situations.	MASPL501
Measurement Measuring and estimating Recognise and select appropriate metric units and levels of accuracy for measuring quantities and rates.	MAMEM501
Measurement Measuring and estimating Select, use and adapt instruments to measure length, mass, capacity, volume, angle and temperature.	MAMEM502
Measurement Measuring and estimating Use judgments of the size of metric units to make and refine estimates of quantities.	MAMEM503

KLA / Strand / Learning Outcome	Learning outcome code
Chance and data Posing questions and collecting data Decide the nature of data required to effectively answer specific questions and plan ways to collect and organise it.	MACDP50 1
Chance and data Posing questions and collecting data Obtain data related to an area of interest.	MACDP50 2
Chance and data Summarising and presenting data Present collected data in tables, databases and spreadsheets.	MACDS50 1
Chance and data Interpreting data Interpret and evaluate information contained in tables, visual displays and databases and report on methods of data collection.	MACDI501
Chance and data Interpreting data Draw inferences from collected or published data.	MACDI503
Chance and data Interpreting data Make predictions on the basis of samples.	MACDI504
Reasoning and strategies Strategies for investigation Clarify the essential nature of a task or problem and identify key information in familiar and unfamiliar situations.	MARSS502
Reasoning and strategies Strategies for investigation Apply a range of strategies for inquiry to complete tasks and solve problems.	MARSS503
SCIENCE	
Biological science Living together: past, present and future Describe interactions between living things and between living things and their non-living surroundings.	SCBS0502
Physical science Energy and its uses Describe the characteristics and applications of the transmission and reflection of energy in the form of heat, light and sound.	SCPS0501
Physical science Energy and its uses Describe the operation of direct current (DC) series and parallel circuits in terms of current and voltage.	SCPS0502
SOSE	
Geography Explain how natural processes and human activities change environments.	SOGE0502
Geography Explain how people's use of natural and human environments changes over time.	SOGE0503

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Geography Develop a plan to address impacts of change.	SOGE0504
Economy and society Explain key factors that influence the Australian economy.	SOES0503
TECHNOLOGY	
Information Justify, develop and modify preferred solutions to information problems to meet specific audience needs, using a range of information technology skills, processes and equipment.	TEIN0502
Materials Explain some of the social and environmental implications of using particular materials in products.	TEMA0501
Systems Explain the components and operations of systems, and how people control and use systems.	TESY0501
Systems Justify, develop, implement and evaluate the preferred option with reference to function, performance, quality and safe use.	TESY0502

LEVEL 6

KLA / Strand / Learning Outcome	Learning outcome code
ARTS	
Drama Arts practice – ideas, skills, techniques and processes Make and present drama which explores a range of themes, issues and ideas.	ARDR0601
Media Arts practice – ideas, skills, techniques and processes Make and present media productions which explore themes, issues and ideas.	ARME0601
Visual communication Arts practice – ideas, skills, techniques and processes Make and present visual communications which explore themes, issues and ideas.	ARVC0601
ENGLISH	
Speaking and listening Texts Listen to and produce a range of spoken texts to examine different perspectives on complex themes and issues.	ENSL0601
Reading Texts Read a range of texts and use them to discuss different perspectives on complex themes and issues.	ENRE0601
Writing Texts	ENWR0601

KLA / Strand / Learning Outcome	Learning outcome code
Use a range of text types to convey detailed information and discuss different perspectives on complex themes and issues in writing.	
HEALTH AND PE	
Health of individuals and populations – extension Review national or State strategies for addressing contemporary health-related issues.	HPIP0603
MATHEMATICS	
Measurement Measuring and estimating Choose units, measurements and levels of accuracy appropriate to a measurement situation.	MAMEM601
Measurement Measuring and estimating Use estimates where appropriate and judge the reasonableness of these estimates.	MAMEM602
Chance and Data Posing questions and collecting data Design, trial and refine experiments, surveys and simulations.	MACDP601
Chance and Data Summarising and presenting data Organise and group raw data, using equal interval widths for continuous data sets.	MACDS601
Chance and Data Interpreting data Interpret and evaluate information collected from published data or extracted from prepared databases.	MACDI601
Chance and Data Interpreting data Make comparisons between two sets of data.	MACDI603
Reasoning and strategies Mathematical reasoning Make judgments about the accuracy and suitability of the results obtained by using a mathematical model.	MARSR603
Reasoning and strategies Strategies for investigation Choose and use a range of strategies for inquiry when responding to tasks and problems.	MARSS601
SCIENCE	
Biological science Living together: past, present and future Explain how ecosystems are maintained in terms of energy and matter.	SCBS0601
Physical science Energy and its uses Describe the effect of electronic and electrical components in the operation of electronic and electromagnetic devices.	SCPS0602
Earth and space sciences	SCES0602

KLA / Strand / Learning Outcome	Learning outcome code
The changing earth Describe the extraction, processing and use of geological resources and associated environmental and social issues.	
SOSE	
Geography Explain the processes and interactions between people and major natural systems.	SOG E0601
Geography Predict the effects of resource development and use on a selected natural and human environment.	SOG E0603
Geography Develop a comprehensive strategy to resolve an issue related to the use and management of a natural or human environment.	SOG E0604
Geography – extension Evaluate the effectiveness of an environmental policy formulated to manage the sustainable development of a resource.	SOG E0605
TECHNOLOGY	
Information Predict the likely uses and effects of a limited range of emerging technologies if they were to be widely applied.	TEIN0601
Information Analyse and develop solutions to information problems, both individually and as a team member, using a range of information technology skills, processes and equipment.	TEIN0602
Systems Analyse how the principles, structure, organisation and control of systems both affect and are affected by community needs, circumstances and resources.	TESY0601
Systems Prepare detailed designs and use specialised techniques to construct and operate complex systems, and evaluate the designs against community needs, circumstances and resources.	TESY0602