



# AUSTRALIAN CLASSVR CURRICULUM GUIDE





YEAR	CURRICULUM REFERENCE	CURRICULUM DESCRIPTION	AUSTRALIAN CURRICULUM LIBRARY PLAYLIST
Foundation	AC9EFLY11	Recognise and name all upper- and lower-case letters (graphs) and know the most common sound that each letter represents	Foundation Phonic and Word Knowledge
Foundation	AC9EFLA01	Explore how language is used differently at home and school depending on the relationships between people	Foundation Language for Interacting with Others
Foundation	AC9EFLA02	Explore different ways of using language to express preferences, likes and dislikes	Foundation Language for Interacting with Others
Foundation	AC9EFLA06	Recognise that sentences are made up of groups of words that work together in particular ways to make meaning	Language for Expressing and Developing Ideas - Foundation English
1	AC9E1LA02	Explore language to provide reasons for likes, dislikes and preferences	Year 1 Language for Interacting with Others, and Expressing, and Developing Ideas
1	AC9E1LA06	Understand that a simple sentence consists of a single independent clause representing a single event or idea	Year 1 Language for Interacting with Others, and Expressing, and Developing Ideas
1	AC9E1LA07	Understand that words can represent people, places and things (nouns, including pronouns), happenings and states (verbs), qualities (adjectives) and details such as when, where and how (adverbs)	Year 1 Language for Interacting with Others, and Expressing, and Developing Ideas
1	AC9E1LA10	Understand that written language uses punctuation such as full stops, question marks and exclamation marks, and uses capital letters for familiar proper nouns	Year 1 Language for Interacting with Others, and Expressing, and Developing Ideas
1	AC9E1LE02	Discuss literary texts and share responses by making connections with students' own experiences	Year 1 Literary Text Organisation, Character, and Plot
1	AC9E1LA03	Explore how texts are organised according to their purpose, such as to recount, narrate, express opinion, inform, report and explain	Year 1 Literary Text Organisation, Character, and Plot
1	AC9E1LE03	Discuss plot, character and setting, which are features of stories	Year 1 Literary Text Organisation, Character, and Plot
1	AC9E1LE05	Orally retell or adapt a familiar story using plot and characters, language features including vocabulary, and structure of a familiar text, through role-play, writing, drawing or digital tools	Year 1 Literary Text Organisation, Character, and Plot

1	AC9E1LY02	Use interaction skills including turn-taking, speaking clearly, using active listening behaviours and responding to the contributions of others, and contributing ideas and questions	Year 1 Speaking Listening and Groupwork Settings
1	AC9E1LY09	Segment words into separate phonemes (sounds) including consonant blends or clusters at the beginnings and ends of words (phonological awareness)	Year 1 Phonic and Word Knowledge
1	AC9E1LY10	Orally manipulate phonemes in spoken words by addition, deletion and substitution of initial, medial and final phonemes to generate new words (phonological awareness)	Year 1 Phonic and Word Knowledge
1	AC9E1LY11	Use short vowels, common long vowels, consonant blends and digraphs to write words, and blend these to read one- and two-syllable words	Year 1 Phonic and Word Knowledge
1	AC9E1LY12	Understand that a letter can represent more than one sound and that a syllable must contain a vowel sound	Year 1 Phonic and Word Knowledge
1	AC9E1LY13	Spell one- and two-syllable words with common letter patterns	Year 1 Phonic and Word Knowledge
1	AC9E1LY14	Read and write an increasing number of high-frequency words	Year 1 Phonic and Word Knowledge
1	AC9E1LY15	Recognise and know how to use grammatical morphemes to create word families	Year 1 Phonic and Word Knowledge
2	AC9E2LY04	Read texts with phrasing and fluency, using phonic and word knowledge, and monitoring meaning by re-reading and self-correcting	Year 2 Phonic and Word Knowledge
2	AC9E2LY10	Use phoneme–grapheme (sound–letter/s) matches, including vowel digraphs, less common long vowel patterns, consonant clusters and silent letters when reading and writing words of one or more syllables, including compound words	Year 2 Phonic and Word Knowledge
2	AC9E2LY12	Build morphemic word families using knowledge of prefixes and suffixes	Year 2 Phonic and Word Knowledge
2	AC9E2LE01	Discuss how characters and settings are connected in literature created by First Nations Australian, and wide-ranging Australian and world authors and illustrators	Year 2 Character, Setting and Literary Features
2	AC9E2LE02	Identify features of literary texts, such as characters and settings, and give reasons for personal preferences	Year 2 Character, Setting and Literary Features

2	AC9E2LE05	Create and edit literary texts by adapting structures and language features of familiar literary texts through drawing, writing, performance and digital tools	Year 2 Adapting Literary Texts and Performance Settings
3	AC9E3LE05	Create and edit imaginative texts, using or adapting language features, characters, settings, plot structures and ideas encountered in literary texts	Year 3 Literary Texts
3	AC9E3LY02	Use interaction skills to contribute to conversations and discussions to share information and ideas	Year 3 Speaking Listening and Groupwork Settings
3	AC9E3LA06	Understand that a clause is a unit of grammar usually containing a subject and a verb that need to agree	Year 3 Language for Expressing and Developing Ideas
3	AC9E3LA10	Extend topic-specific and technical vocabulary and know that words can have different meanings in different contexts	Year 3 Language for Expressing and Developing Ideas
3	AC9E3LA11	Understand that apostrophes signal missing letters in contractions, and apostrophes are used to show singular and plural possession	Year 3 Language for Expressing and Developing Ideas
3	AC9E3LY10	Understand how to apply knowledge of common base words, prefixes, suffixes and generalisations for adding a suffix to a base word to read and comprehend new multimorphemic words	Year 3 Phonic and Word Knowledge
3	AC9E3LY09	Understand how to apply knowledge of phoneme–grapheme (sound–letter) relationships, syllables, and blending and segmenting to fluently read and write multisyllabic words with more complex letter patterns	Year 3 Phonic and Word Knowledge
3	AC9E3LY12	Recognise and know how to write most high-frequency words including some homophones	Year 3 Phonic and Word Knowledge
4	AC9E4LE05	Discuss how authors and illustrators make stories engaging by the way they develop character, setting and plot tensions	Year 4 Creating Literature
4	AC9E4LA07	Investigate how quoted (direct) and reported (indirect) speech are used	Year 4 Language for Expressing and Developing Ideas
4	AC9E4LA08	Understand how adverb groups/phrases and prepositional phrases work in different ways to provide circumstantial details about an activity	Year 4 Language for Expressing and Developing Ideas
4	AC9E4LA12	Understand that punctuation signals dialogue through quotation marks and that dialogue follows conventions for the use of capital letters, commas and boundary punctuation	Year 4 Language for Expressing and Developing Ideas

4	AC9E4LY10	Understand how to use knowledge of letter patterns, including double letters, spelling generalisations, morphological word families, common prefixes and suffixes, and word origins, to spell more complex words	Year 4 Phonic and Word Knowledge
4	AC9E4LY11	Read and write high-frequency words including homophones and know how to use context to identify correct spelling	Year 4 Phonic and Word Knowledge
5	AC9E5LA03	Describe how spoken, written and multimodal texts use language features and are typically organised into characteristic stages and phases, depending on purposes in texts	Year 5 Text Structure and Organisation
5	AC9E5LA07	Explain how the sequence of images in print, digital and film texts has an effect on meaning.	Year 5 Language for Expressing and Developing Ideas
5	AC9E5LA09	Use commas to indicate prepositional phrases, and apostrophes where there is multiple possession	Year 5 Language for Expressing and Developing Ideas
5	AC9E5LE04	Examine the effects of imagery, including simile, metaphor and personification, and sound devices in narratives, poetry and songs.	Year 5 Examining and Creating Literature
5	AC9E5LE05	Create and edit literary texts, experimenting with figurative language, storylines, characters and settings from texts students have experienced	Year 5 Examining and Creating Literature
5	AC9E5LY01	Describe the ways in which a text reflects the time and place in which it was created	Year 5 Examining and Creating Literature
5	AC9E5LY05	Use comprehension strategies such as visualising, predicting, connecting, summarising, monitoring and questioning to build literal and inferred meaning to evaluate information and ideas	Year 5 Analysing, Interpreting and Evaluating
6	AC9E6LA09	Understand how to use the comma for lists, to separate a dependent clause from an independent clause, and in dialogue	Year 6 Language for Expressing and Developing Ideas
6	AC9E6LA06	Understand how ideas can be expanded and sharpened through careful choice of verbs, elaborated tenses and a range of adverb groups	Year 6 Language for Expressing and Developing Ideas
6	AC9E6LE02	Identify similarities and differences in literary texts on similar topics, themes or plots	Year 6 Engaging with, Examining, Responding to and Creating Literature
6	AC9E6LE03	Identify and explain characteristics that define an author's individual style	Year 6 Engaging with, Examining, Responding to and Creating Literature

6	AC9E6LE04	Explain the way authors use sound and imagery to create meaning and effect in poetry	Year 6 Engaging with, Examining, Responding to and Creating Literature
6	AC9E6LE05	Create and edit literary texts that adapt plot structure, characters, settings and/or ideas from texts students have experienced, and experiment with literary devices	Year 6 Engaging with, Examining, Responding to and Creating Literature
7	AC9E7LA07	Analyse how techniques such as vectors, angle and/or social distance in visual texts can be used to create a perspective	Year 7 Language for Expressing and Developing Ideas
7	AC9E7LE02	Form an opinion about characters, settings and events in texts, identifying areas of agreement and difference with others' opinions and justifying a response	Year 7 Ideas, Characters and Settings
7	AC9E7LE01	Identify and explore ideas, points of view, characters, events and/or issues in literary texts, drawn from historical, social and/or cultural contexts, by First Nations Australian, and wide-ranging Australian and world authors	Year 7 Ideas, Characters and Settings
7	AC9E7LE04	Discuss the aesthetic and social value of literary texts using relevant and appropriate metalanguage	Year 7 Ideas, Characters and Settings
7	AC9E7LE05	Identify and explain the ways that characters, settings and events combine to create meaning in narratives	Year 7 Examining and Creating Literature
8	AC9E8LE01	Explain the ways that ideas and points of view may represent the values of individuals and groups in literary texts, drawn from historical, social and cultural contexts, by First Nations Australian, and wide-ranging Australian and world authors	Year 8 Ideas, Characters and Settings
9	AC9E9LE01	Analyse the representations of people and places in literary texts, drawn from historical, social and cultural contexts, by First Nations Australian, and wide-ranging Australian and world authors	Year 9 Representation of People and Peoples
10	AC9E10LE04	Evaluate the social, moral or ethical positions represented in literature	Year 10 Social, Moral and Ethical Representations





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7	AC9HG7K01	Classification of environmental resources and the way that water connects and changes places as it moves through environments	Year 7 Environmental Classification 1 & 2
7	AC9HG7K03	The economic, cultural, spiritual and aesthetic value of water for people, including First Nations Australians	Year 7 Bodies of Water
7	AC9HG7K04	The causes and impacts of an atmospheric or hydrological hazard, and responses from communities and governments	Year 7 Wild Weather and Hazards
7	AC9HG7K05	Factors that influence the decisions people make about where to live, including perceptions of the liveability of places and the influence of environmental quality	Year 7 Population and Migration
7	AC9HG7K05	Factors that influence the decisions people make about where to live, including perceptions of the liveability of places and the influence of environmental quality	Year 7 Population 2
7	AC9HG7K06	The location and distribution of services and facilities, and implications for liveability of places	Year 7 Resources and Settlements
7	AC9HG7K07	The cultural connectedness of people to places and how this influences their identity, sense of belonging and perceptions of a place, in particular the cultural connectedness of First Nations Australians to Country/Place	Year 7 Place and Liveability
8	AC9HG8K01	Geomorphological processes that produce different landscapes and significant landforms	Year 8 Geomorphological Processes
8	AC9HG8K02	The location and distribution of Australia's distinctive landscapes and significant landforms	Year 8 Landforms and Landscapes
8	AC9HG8K03	The spiritual, aesthetic and cultural value of landscapes and landforms for people, including Country/Place of First Nations Australians	Year 8 Culturally Important Landscapes
8	AC9HG8K04	The interconnections between human activity and geomorphological processes, and ways of managing distinctive landscapes	Year 8 Human Impact on Environment

8	AC9HG8K05	The causes and impacts of a geomorphological hazard on people, places and environments, and the effects of responses	Year 8 Geomorphological Hazards and Impact
8	AC9HG8K01	Geomorphological processes that produce different landscapes and significant landforms.	Year 8 Geomorphological Processes
8	AC9HG8K01	Geomorphological processes that produce different landscapes and significant landforms.	Year 8 Geomorphological Processes 2
8	AC9HG8K06	Causes of urbanisation and its impacts on places and environments, drawing on a study from a country such as the United States of America, and its implications	Year 8 Urbanisation
8	AC9HG8K07	Differences in the distribution of urban settlements and urban concentration in Australia compared with another country such as the United States of America, and their implications	Year 8 Urbanisation
8	AC9HG8K09	Strategies to manage the sustainability of Australia's changing urban places	Year 8 Urbanisation
8	AC9HG8K08	Reasons for, and effects of, internal migration and international migration in Australia, China or other countries	Year 8 Migration
9	AC9HG9K01	The distribution and characteristics of biomes as regions with distinctive climates, soils, vegetation and productivity	Year 9 Biomes
9	AC9HG9K02	The effects on environments of human alteration of biomes to produce food, industrial materials and fibres	Year 9 Human Impact on Biomes
9	AC9HG9K03	The environmental, economic and technological factors that impact agricultural productivity, in Australia and a country in Asia	Year 9 Human Impact on Biomes
9	AC9HG9K04	Challenges to sustainable food production and food security in Australia and appropriate management strategies	Year 9 Food Security
9	AC9HG9K05	The ways changing transportation and technologies are used to connect people to services, information and people in other places	Year 9 Globalisation
9	AC9HG9K06	The effects on places of people's travel, recreational, cultural or leisure choices, and the strategies for managing the impacts on these places	Year 9 Travel and Tourism



9	AC9HG9K07	The ways that places and people are interconnected with other places through trade in goods and services, at all scales	Year 9 Supply Chains
9	AC9HG9K08	The impacts of the production and consumption of goods on places throughout the world, and strategies to manage sustainability in these places	Year 9 Human Impact on Earth
10	AC9HG10K01	The human-induced changes that challenge the sustainability of places and environments	Year 10 Sustainability
10	AC9HG10K04	Causes and effects of a change in an identified environment at a local, national or global scale, and strategies to manage sustainability	Year 10 Sustainability Management



# HISTORY

YEAR	CURRICULUM REFERENCE	CURRICULUM DESCRIPTION	AUSTRALIAN CURRICULUM LIBRARY PLAYLIST
2	AC9HS2K02	How technological developments changed people's lives at home, and in the ways they worked, travelled and communicated	Year 2 History Technological Developments
3	AC9HS3K02	Significant events, symbols and emblems that are important to Australia's identity and diversity, and how they are celebrated, commemorated or recognised in Australia, including Australia Day, Anzac Day, NAIDOC Week, National Sorry Day, Easter, Christmas, and other religious and cultural festivals	Year 3 History Significant Events Around the World
4	AC9HS4K01	The diversity of First Nations Australians, their social organisation and their continuous connection to Country/Place	Year 4 History First Nation Australia
4	AC9HS4K02	The causes of the establishment of the first British colony in Australia in 1788	Year 4 History First Nation Australia
5	AC9HS5K01	The economic, political and social causes of the establishment of British colonies in Australia after 1800	Year 5 History Colonies
5	AC9HS5K02	The impact of the development of British colonies in Australia on the lives of First Nations Australians, the colonists and convicts, and on the natural environment	Year 5 History Colonies
5	AC9HS5K03	The role of a significant individual or group, including First Nations Australians and those who migrated to Australia, in the development of events in an Australian colony	Year 5 History Colonies
6	AC9HS6K02	Changes in Australia's political system and to Australian citizenship after Federation and throughout the 20th century that impacted First Nations Australians, migrants, women and children	Year 6 History Political Changes in the 1900s
7	AC9HH7K09	How the physical environment and geographical features influenced the development of the ancient society	Year 7 History Physical Environments
7	AC9HH7K11	Key beliefs, values and practices of an ancient society, with a particular emphasis on one of the following areas: everyday life, warfare, or death and funerary customs	Year 7 History Ancient Civilisations; Year 7 History Ancient Societies;

7	AC9HH7K12	Causes and effects of contacts and conflicts within ancient societies and/or with other societies, resulting in developments such as the conquest of other lands, the expansion of trade and peace treaties	Year 7 History Conflict in Ancient Societies
7	AC9HH7K13	The role and achievements of a significant individual in an ancient society	Year 7 History Important Individuals
8	AC9HH8K02	The roles and relationships of different groups in Medieval, Renaissance or pre-modern Europe	Year 8 History Groups in Medieval Times
8	AC9HH8K03	A significant event, development, turning point or challenge that contributed to continuity and change in Medieval, Renaissance or pre-modern Europe	Year 8 History Turning Points in History
8	AC9HH8K04	The experiences and perspectives of rulers and of subject peoples, and the interaction between power and/or authority in Medieval, Renaissance or pre-modern Europe	Year 8 History - Events and Perspectives in Medieval, Renaissance or Pre-Modern Europe
8	AC9HH8K05	The role and achievements of a significant individual and/or group in Medieval, Renaissance or pre-modern Europe	Roles and Achievements in Medieval, Renaissance or Pre-Modern Europe
8	AC9HH8K08	A significant event, development, turning point or challenge that contributed to continuity and change related to the empire and/or expansion	Year 8 History Expansion Factors
8	AC9HH8K10	The role and achievements of a significant individual and/or group connected to the empire and/or expansion	Year 8 History - Empire and Expansion
8	AC9HH8K11	Interpretations about the society and events, and/or individuals and/or groups connected to the empire and/or expansion	Year 8 History - Empire and Expansion
8	AC9HH8K12	The significant social, religious, cultural, economic, environmental and/or political features of different groups in the Asian-Pacific society	Year 8 History Asia
8	AC9HH8K13	A significant development, event, turning point or challenge that contributed to continuity and change in the Asian-Pacific society	Year 8 History Asia
8	AC9HH8K15	The role and achievements of a significant individual and/or group in the Asian-Pacific society	Year 8 History Asia
9	AC9HH9K01	The causes and effects of European imperial expansion and the movement of peoples in the late 18th and early 19th centuries, and the different responses to colonisation and migration	Year 9 History - Movement and Settlement

9	AC9HH9K03	The causes and effects of European contact and extension of settlement, including their impact on the First Nations Peoples of Australia	Year 9 History - Movement and Settlement
9	AC9HH9K04	Significant events, ideas, people, groups and movements in the development of Australian society	Year 9 History - Significant Figures
9	AC9HH9K08	The causes of World War I and the reasons why Australians enlisted to fight in the war	Year 9 History World War One
9	AC9HH9K09	The places of significance where Australians fought, their perspectives and experiences, including the Gallipoli campaign, the Western Front and the Middle East	Year 9 History World War One
9	AC9HH9K13	The social, economic, political, technological and/or environmental causes and effects of the Industrial Revolution on Europe in the late 18th and 19th century	Year 9 History 18th and 19th Centuries; Year 9 History The Industrial Revolution
9	AC9HH9K014	The changing population movements and settlement patterns during the period 1750 to 1900	Year 9 History 18th and 19th Centuries; Year 9 History - Movement and Settlement
9	AC9HH9K15	The short, medium and long-term effects of population movements and changing settlement patterns during this period, such as global demographic changes, transport, new ideas, and political and social reforms	Year 9 History 18th and 19th Centuries
9	AC9HH9K16	The different perspectives and experiences of men, women and children during the Industrial Revolution, and their changing way of life	Year 9 History The Industrial Revolution
9	AC9HH9K17	The ideas that emerged and influenced change in society, such as nationalism, capitalism, imperialism, socialism, egalitarianism and Chartism	Year 9 History The French Revolution
9	AC9HH9K18	The role of a significant individual or group such as agricultural and factory workers, inventors and entrepreneurs, landowners, politicians and religious groups in promoting and enacting some of the ideas that emerged during the Industrial Revolution	Year 9 History - Significant Figures;
9	AC9HH9K19	The key social, cultural, economic and political features of an Asian society during the 18th and early 19th Century	Year 9 History - Asia and the World (1750-1914)
10	AC9HH10K01	The causes, outbreak and course of World War II and the significance of Australian involvement	Year 10 History World War Two
10	AC9HH10K03	The significant events and turning points of World War II, including the Holocaust and use of the atomic bomb	Year 10 History World War Two

10	AC9HH10K14	Changing historical perspectives over time in relation to the developments in technology, public health, longevity, standard of living in the 20th century, and concern for the environment and sustainability	Year 10 History Historical Ideologies Over Time
10	AC9HH10K15	The origins and significance of the Universal Declaration of Human Rights, including Australia's involvement in the development of the declaration	Year 10 History - Origins of the Universal Declaration of Human Rights
10	AC9HH10K17	Changing social, political, economic, cultural, environmental and technological conditions, and the causes of a major global influence in Australia	Year 10 History Developments in the 20th Century
10	AC9HH10K20	Different historical interpretations and debates during the second half of the 20th century	Year 10 History Developments in the 20th Century



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F	AC9SFU03	Recognise that objects can be composed of different materials and describe the observable properties of those materials	Foundation Materials
1	AC9SFU01	Observe external features of plants and animals and describe ways they can be grouped based on these features	Year 1 Living Things 1
1	AC9SFU01	Observe external features of plants and animals and describe ways they can be grouped based on these features	Year 1 Living Things 2
1	AC9SFU01	Observe external features of plants and animals and describe ways they can be grouped based on these features	Year 1 Living Things 3
1	AC9SFU01	Observe external features of plants and animals and describe ways they can be grouped based on these features	Year 1 Living Things 4
1	AC9S1U02	Describe daily and seasonal changes in the environment and explore how these changes affect everyday life	Year 1 Seasons
1	AC9S1U03	Describe pushes and pulls in terms of strength and direction and predict the effect of these forces on objects' motion and shape	Year 1 Push and Pull
2	AC9S2U01	Recognise Earth is a planet in the solar system and identify patterns in the changing position of the sun, moon, planets and stars in the sky	Year 2 Space and the Solar System
2	AC9S2U02	Explore different actions to make sounds and how to make a variety of sounds, and recognise that sound energy causes objects to vibrate	Year 2 Sound
3	AC9S3U01	Compare characteristics of living and non-living things and examine the differences between the life cycles of plants and animals	Year 3 Life Cycles
3	AC9S3U02	Compare the observable properties of soils, rocks and minerals and investigate why they are important Earth resources	Year 3 Resources
3	AC9S3U02	Compare the observable properties of soils, rocks and minerals and investigate why they are important Earth resources	Year 3 Resources
3	AC9S3U03	Identify sources of heat energy and examine how temperature changes when heat energy is transferred from one object to another	Year 3 Heat
3	AC9S3U04	Investigate the observable properties of solids and liquids and how adding or removing heat energy leads to a change of state	Year 3 States of Matter



4	AC9S4U01	Explain the roles and interactions of consumers, producers and decomposers within a habitat and how food chains represent feeding relationships	Year 4 Interdependence
4	AC9S4U02	Identify sources of water and describe key processes in the water cycle, including movement of water through the sky, landscape and ocean; precipitation; evaporation; and condensation	Year 4 Water Cycle
4	AC9S4U03	Identify how forces can be exerted by one object on another and investigate the effect of frictional, gravitational and magnetic forces on the motion of objects	Year 4 Forces
4	AC9S4U04	Examine the properties of natural and made materials including fibres, metals, glass and plastics and consider how these properties influence their use	Year 4 Materials
5	AC9S5U01	Examine how particular structural features and behaviours of living things enable their survival in specific habitats	Year 5 Adaptation
5	AC9S5U02	Describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface	Year 5 Weathering and Erosion
5	AC9S5U03	Identify sources of light, recognise that light travels in a straight path and describe how shadows are formed and light can be reflected and refracted	Year 5 Light
5	AC9S5U04	Explain observable properties of solids, liquids and gases by modelling the motion and arrangement of particles	Year 5 Change of States
6	AC9S6U01	Investigate the physical conditions of a habitat and analyse how the growth and survival of living things is affected by changing physical conditions	Year 6 Habitats and Adaptation
6	AC9S6U02	Describe the movement of Earth and other planets relative to the sun and model how Earth's tilt, rotation on its axis and revolution around the sun relate to cyclic observable phenomena, including variable day and night length	Year 6 Seasons on Earth
6	AC9S6U03	Investigate the transfer and transformation of energy in electrical circuits, including the role of circuit components, insulators and conductors	Year 6 Electrical Circuits
6	AC9S6U04	Compare reversible changes, including dissolving and changes of state, and irreversible changes, including cooking and rusting that produce new substances	Year 6 Reversible and Irreversible Changes
7	AC9S7U01	Investigate the role of classification in ordering and organising the diversity of life on Earth and use and develop classification tools including dichotomous keys	Year 7 Classification 1 and 2
7	AC9S7U02	Use models, including food webs, to represent matter and energy flow in ecosystems and predict the impact of changing abiotic and biotic factors on populations	Year 7 Populations

7	AC9S7U03	Model cyclic changes in the relative positions of the Earth, sun and moon and explain how these cycles cause eclipses and influence predictable phenomena on Earth, including seasons and tides	Year 7 Seasons on Earth 2
7	AC9S7U04	Investigate and represent balanced and unbalanced forces, including gravitational force, acting on objects, and relate changes in an object's motion to its mass and the magnitude and direction of forces acting on it	Year 7 Gravity and Forces
7	AC9S7U05	Use particle theory to describe the arrangement of particles in a substance, including the motion of and attraction between particles, and relate this to the properties of the substance	Year 7 Materials and Properties
7	AC9S7U06	Use a particle model to describe differences between pure substances and mixtures and apply understanding of properties of substances to separate mixtures	Year 7 Elements, Mixtures, Compounds
8	AC9S8U01	Recognise cells as the basic units of living things, compare plant and animal cells, and describe the functions of specialised cell structures and organelles	Year 8 Cells
8	AC9S8U02	Analyse the relationship between structure and function of cells, tissues and organs in a plant and an animal organ system and explain how these systems enable survival of the individual	Year 8 Organisation
8	AC9S8U03	Investigate tectonic activity including the formation of geological features at divergent, convergent and transform plate boundaries and describe the scientific evidence for the theory of plate tectonics	Year 8 Geomorphology
8	AC9S8U04	Describe the key processes of the rock cycle, including the timescales over which they occur, and examine how the properties of sedimentary, igneous and metamorphic rocks reflect their formation and influence their use	Year 8 Rock Cycle and Fossils
8	AC9S8U05	Classify different types of energy as kinetic or potential and investigate energy transfer and transformations in simple systems	Year 8 Energy 1 and 2
8	AC9S8U06	Classify matter as elements, compounds or mixtures and compare different representations of these, including 2-dimensional and 3-dimensional models, symbols for elements and formulas for molecules and compounds	Year 8 Elements, Mixtures, Compounds 2
8	AC9S8U07	Compare physical and chemical changes and identify indicators of energy change in chemical reactions	Year 8 Chemical Change
8	AC9S8H01	Explain how new evidence or different perspectives can lead to changes in scientific knowledge	Year 8 Scientific Enquiry

8	AC9S8U05	Classify different types of energy as kinetic or potential and investigate energy transfer and transformations in simple systems	Year 8 Change of State
8	AC9S8U05	Describe the key processes of the rock cycle, including the timescales over which they occur, and examine how the properties of sedimentary, igneous and metamorphic rocks reflect their formation and influence their use	Year 8 Geomorphological Hazards and Impact
9	AC9S9U01	Compare the role of body systems in regulating and coordinating the body's response to a stimulus, and describe the operation of a negative feedback mechanism	Year 9 Response
9	AC9S9U02	Describe the form and function of reproductive cells and organs in animals and plants, and analyse how the processes of sexual and asexual reproduction enable survival of the species	Year 9 Reproduction
9	AC9S9U03	Represent the carbon cycle and examine how key processes including combustion, photosynthesis and respiration rely on interactions between Earth's spheres (the geosphere, biosphere, hydrosphere and atmosphere)	Year 9 Carbon Cycle
9	AC9S9U04	Use wave and particle models to describe energy transfer through different mediums and examine the usefulness of each model for explaining phenomena	Year 9 Sound Waves and Other Waves
9	AC9S9U05	Apply the law of conservation of energy to analyse system efficiency in terms of energy inputs, outputs, transfers and transformations	Year 9 Energy Conservation
9	AC9S9U06	Explain how the model of the atom changed following the discovery of electrons, protons and neutrons and describe how natural radioactive decay results in stable atoms	Year 9 Atomic Theory
9	AC9S9U07	Model the rearrangement of atoms in chemical reactions using a range of representations, including word and simple balanced chemical equations, and use these to demonstrate the law of conservation of mass	Year 9 Chemical Reactions 2
10	AC9S10U01	Explain the role of meiosis and mitosis and the function of chromosomes, DNA and genes in heredity and predict patterns of Mendelian inheritance	Year 10 Cell Cycle 1 and 2
10	AC9S10U02	Use the theory of evolution by natural selection to explain past and present diversity and analyse the scientific evidence supporting the theory	Year 10 Evolution
10	AC9S10U03	Describe how the big bang theory models the origin and evolution of the universe and analyse the supporting evidence for the theory	Year 10 Big Bang Theory

10	AC9S10U04	Use models of energy flow between the geosphere, biosphere, hydrosphere and atmosphere to explain patterns of global climate change	Year 10 Climate Change
10	AC9S10U05	Investigate Newton's laws of motion and quantitatively analyse the relationship between force, mass and acceleration of objects	Year 10 Investigating Forces
10	AC9S10U06	Explain how the structure and properties of atoms relate to the organisation of the elements in the periodic table	Year 10 The Periodic Table
10	AC9S10U07	Identify patterns in synthesis, decomposition and displacement reactions and investigate the factors that affect reaction rates	Year 10 Displacement Reactions



YEAR	CURRICULUM REFERENCE	CURRICULUM DESCRIPTION	AUSTRALIAN CURRICULUM LIBRARY PLAYLIST
Foundation	AC9MFN01	Name, represent and order numbers including zero to at least 20, using physical and virtual materials and numerals	Foundation Counting
Foundation	AC9MFN02	Recognise and name the number of objects within a collection up to 5 using subsisting	Foundation Counting
Year 1	AC9M1N01	Recognise, represent and order numbers to at least 120 using physical and virtual materials, numerals, number lines and charts	Year 1 Numbers
Year 1	AC9M1N04	Add and subtract numbers within 20, using physical and virtual materials, part-part-whole knowledge to 10 and a variety of calculation strategies	Year 1 Numbers
Year 1	AC9M1N03	Quantify sets of objects, to at least 120, by partitioning collections into equal groups using number knowledge and skip counting	Year 1 Numbers
Year 1	AC9M1A01	Recognise, continue and create pattern sequences, with numbers, symbols, shapes and objects, formed by skip counting, initially by twos, fives and tens	Year 1 Algebra
Year 1	AC9M1M03	Describe the duration and sequence of events using years, months, weeks, days and hours	Year 1 Measurement
Year 1	AC9M1SP01	Make, compare and classify familiar shapes; recognise familiar shapes and objects in the environment, identifying the similarities and differences between them	Year 1 Space
Year 2	AC9M2N01	Recognise, represent and order numbers to at least 1000 using physical and virtual materials, numerals and number lines	Year 2 Numbers
Year 2	AC9M2N02	Partition, rearrange, regroup and rename two- and three-digit numbers using standard and non-standard groupings; recognise the role of a zero digit in place value notation	Year 2 Numbers
Year 2	AC9M2N03	Recognise and describe one-half as one of 2 equal parts of a whole and connect halves, quarters and eighths through repeated halving	Year 2 Numbers
Year 2	AC9M2N04	Add and subtract one- and two-digit numbers, representing problems using number sentences and solve using part-part-whole reasoning and a variety of calculation strategies	Year 2 Numbers
Year 2	AC9M2N05	Multiply and divide by one-digit numbers using repeated addition, equal grouping, arrays, and partitioning to support a variety of calculation strategies	Year 2 Numbers

Year 2	AC9M2N06	Use mathematical modelling to solve practical problems involving additive and multiplicative situations, including money transactions; represent situations and choose calculation strategies; interpret and communicate solutions in terms of the situation	Year 2 Numbers
Year 2	AC9M1A01	Recognise, describe and create additive patterns that increase or decrease by a constant amount, using numbers, shapes and objects, and identify missing elements in the pattern	Year 2 Algebra
Year 2	AC9M2A02	Recall and demonstrate proficiency with addition facts to 20; extend and apply facts to develop related subtraction facts	Year 2 Algebra
Year 2	AC9M2A03	Recall and demonstrate proficiency with multiplication facts for twos; extend and apply facts to develop the related division facts using doubling and halving	Year 2 Algebra
Year 2	AC9M2M02	Identify common uses and represent halves, quarters and eighths in relation to shapes, objects and events	Year 2 Measurement
Year 2	AC9M2M03	Identify the date and determine the number of days between events using calendars	Year 2 Measurement
Year 2	AC9M2M04	Recognise and read the time represented on an analog clock to the hour, half-hour and quarter-hour	Year 2 Measurement
Year 2	AC9M2SP01	Recognise, compare and classify shapes, referencing the number of sides and using spatial terms such as opposite, parallel, curved and straight	Year 2 Space
Year 2	AC9M2SP02	Locate positions in two-dimensional representations of a familiar space; move positions by following directions and pathways	Year 2 Space
Year 3	AC9M3N02	Recognise and represent unit fractions including $\frac{1}{2}$ , $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{1}{5}$ and $\frac{1}{10}$ and their multiples in different ways; combine fractions with the same denominator to complete the whole	Year 3 Number
Year 3	AC9M3N03	Add and subtract two- and three-digit numbers using place value to partition, rearrange and regroup numbers to assist in calculations without a calculator	Year 3 Number
Year 3	AC9M3N04	Multiply and divide one- and two-digit numbers, representing problems using number sentences, diagrams and arrays, and using a variety of calculation strategies	Year 3 Number
Year 3	AC9M3N06	Use mathematical modelling to solve practical problems involving additive and multiplicative situations including financial contexts; formulate problems using number sentences and choose calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation	Year 3 Number



Year 3	AC9M3A01	Recognise and explain the connection between addition and subtraction as inverse operations, apply to partition numbers and find unknown values in number sentences	Year 3 Algebra
Year 3	AC9M3A02	Extend and apply knowledge of addition and subtraction facts to 20 to develop efficient mental strategies for computation with larger numbers without a calculator	Year 3 Algebra
Year 3	AC9M3A03	Recall and demonstrate proficiency with multiplication facts for 3, 4, 5 and 10; extend and apply facts to develop the related division facts	Year 3 Algebra
Year 3	AC9M3M03	Recognise and use the relationship between formal units of time including days, hours, minutes and seconds to estimate and compare the duration of events	Year 3 Measurement
Year 3	AC9M3M04	Describe the relationship between the hours and minutes on analogue and digital clocks, and read the time to the nearest minute	Year 3 Measurement
Year 3	AC9M3SP01	Make, compare and classify objects, identifying key features and explaining why these features make them suited to their uses	Year 3 Space
Year 4	AC9M4N01	Recognise and extend the application of place value to tenths and hundredths and use the conventions of decimal notation to name and represent decimals	Year 4 Number
Year 4	AC9M4N03	Find equivalent representations of fractions using related denominators and make connections between fractions and decimal notation	Year 4 Number
Year 4	AC9M4N04	Count by fractions including mixed numerals; locate and represent these fractions as numbers on number lines	Year 4 Number
Year 4	AC9M4N08	Use mathematical modelling to solve practical problems involving additive and multiplicative situations including financial contexts; formulate the problems using number sentences and choose efficient calculation strategies, using digital tools where appropriate; interpret and communicate solutions in terms of the situation	Year 4 Number
Year 4	AC9M4M02	Recognise ways of measuring and approximating the perimeter and area of shapes and enclosed spaces, using appropriate formal and informal units	Year 4 Measurement
Year 4	AC9M4M03	Solve problems involving the duration of time including situations involving am and pm and conversions between units of time	Year 4 Measurement
Year 4	AC9M4SP03	Recognise line and rotational symmetry of shapes and create symmetrical patterns and pictures, using dynamic geometric software where appropriate	Year 4 Space

