

Related content: Learning area connections

Year 5

This document outlines learning area connections where the related content exists in Year 5 of the Australian Curriculum v9.0. Related content allows for the content descriptions from one learning area to be taught with the content descriptions from another learning area. Teachers may make further connections based on the curriculum and their local context.

Tables of related content have been included for the following learning areas:

- [English](#)
- [Health and Physical Education](#)
- [HASS P-6](#)
- [Mathematics](#)
- [Science](#)
- [Technologies: Design and Technologies](#)
- [Technologies: Digital Technologies](#)
- [The Arts: Dance](#)
- [The Arts: Media Arts](#)

Key to content description codes:

The Australian Curriculum (AC) v9.0 code for each content description includes an element indicating the learning area, year level and strand by which it is organised.

e.g. **AC9E5LA01**

Australian Curriculum (**AC**)

Version 9 (**9**)

English (**E**)

Year 5 (**5**)

Strand (e.g. in English LA — Language, LE — Literature, LY — Literacy)

Content description number (**##**)

English

The following table identifies English-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

English		Health and Physical Education	HASS P-6	
Strand and sub-strand	Content description	Related content		
Literacy	Texts in context describe the ways in which a text reflects the time and place in which it was created AC9E5LY01		Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	
	Analysing, interpreting and evaluating use comprehension strategies such as visualising, predicting, connecting, summarising, monitoring and questioning to build literal and inferred meaning to evaluate information and ideas AC9E5LY05	Personal, social and community health: Making healthy and safe choices investigate different sources and types of health information and how these apply to their own and others' health choices AC9HP6P09	Skills: Interpreting, analysing and evaluating evaluate primary and secondary sources to determine origin, purpose and perspectives AC9HS5S04	
	Creating texts	plan, create, edit and publish written and multimodal texts whose purposes may be imaginative, informative and persuasive, developing ideas using visual features, text structure appropriate to the topic and purpose, text connectives, expanded noun groups, specialist and technical vocabulary, and punctuation including dialogue punctuation AC9E5LY06		Skills: Communicating present descriptions and explanations, drawing ideas, findings and viewpoints from sources, and using relevant terms and conventions AC9HS5S07
		plan, create, rehearse and deliver spoken and multimodal presentations that include relevant, elaborated ideas, sequencing ideas and using complex sentences, specialist and technical vocabulary, pitch, tone, pace, volume, and visual and digital features AC9E5LY07		Skills: Communicating present descriptions and explanations, drawing ideas, findings and viewpoints from sources, and using relevant terms and conventions AC9HS5S07

Health and Physical Education

The following table identifies Health and Physical Education-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

Health and Physical Education		English	HASS P-6	Technologies	The Arts
Strand and sub-strand	Content description	Related content			
Personal, social and community health	Interacting with others	describe and implement strategies to value diversity in their communities AC9HP6P05		Knowledge and understanding: Civics and citizenship how citizens (members of communities) with shared beliefs and values work together to achieve a civic goal AC9HS5K07	
	Making healthy and safe choices	analyse and rehearse protective behaviours and help-seeking strategies that can be used in a range of online and offline situations AC9HP6P08			Digital Technologies Processes and production skills: Collaborating and managing select and use appropriate digital tools effectively to share content online, plan tasks and collaborate on projects, demonstrating agreed behaviours AC9TDI6P08
		investigate different sources and types of health information and how these apply to their own and others' health choices AC9HP6P09	Literacy: Analysing, interpreting and evaluating use comprehension strategies such as visualising, predicting, connecting, summarising, monitoring and questioning to build literal and inferred meaning to evaluate information and ideas AC9E5LY05		Design and Technologies Knowledge and understanding: Food and fibre production; Food specialisations explain how the characteristics of foods influence selection and preparation for healthy eating AC9TDE6K04
		analyse how behaviours influence the health, safety, relationships and wellbeing of individuals and communities AC9HP6P10			Design and Technologies Knowledge and understanding: Food and fibre production; Food specialisations explain how the characteristics of foods influence selection and preparation for healthy eating AC9TDE6K04 Digital Technologies Process and production skills: Privacy and security explain the creation and permanence of their digital footprint and consider privacy when collecting user data AC9TDI6P10

Health and Physical Education		English	HASS P-6	Technologies	The Arts
Strand and sub-strand	Content description	Related content			
Movement and physical activity	Moving our bodies	adapt and modify movement skills across a variety of situations AC9HP6M01			Dance Developing practices and skills develop and practise technical and expressive skills using safe dance practice and the elements of dance AC9ADA6D01
	investigate how different movement concepts related to effort, space, time, objects and people can be applied to improve movement outcomes AC9HP6M03				Dance Developing practices and skills develop and practise technical and expressive skills using safe dance practice and the elements of dance AC9ADA6D01

HASS P–6

The following table identifies HASS P–6-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

HASS P–6		English	Health and Physical Education	Mathematics	Science	Technologies	
Strand and sub-strand	Content description	Related content					
Knowledge and understanding	Geography					Design and Technologies Knowledge and understanding: Food and fibre production; Food specialisations explain how and why food and fibre are produced in managed environments AC9TDE6K03	
	the influence of people, including First Nations Australians and people in other countries, on the characteristics of a place AC9HS5K04						
	the management of Australian environments, including managing severe weather events such as bushfires, floods, droughts or cyclones, and their consequences AC9HS5K05				Science understanding: Earth and space sciences describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface AC9S5U02	Design and Technologies Knowledge and understanding: Food and fibre production; Food specialisations explain how and why food and fibre are produced in managed environments AC9TDE6K03	
Civics and citizenship	how citizens (members of communities) with shared beliefs and values work together to achieve a civic goal AC9HS5K07		Personal, social and community health: Interacting with others describe and implement strategies to value diversity in their communities AC9HP6P05				
Skills	Questioning and researching	locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Literacy: Texts in context describe the ways in which a text reflects the time and place in which it was created AC9E5LY01		Space construct a grid coordinate system that uses coordinates to locate positions within a space; use coordinates and directional language to describe position and movement AC9M5SP02	Science inquiry: Planning and conducting use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate AC9S5I03	Digital Technologies Processes and production skills: Collaborating and managing select and use appropriate digital tools effectively to create, locate and communicate content, applying common conventions AC9TDI6P07
					Statistics acquire, validate and represent data for nominal and ordinal categorical and discrete numerical variables to address a question of interest or purpose using software including spreadsheets; discuss and report on data distributions in terms of highest frequency (mode) and shape, in the context of the data AC9M5ST01	Science inquiry: Processing, modelling and analysing construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships AC9S5I04	
				Statistics interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made AC9M5ST02			

HASS P-6		English	Health and Physical Education	Mathematics	Science	Technologies
Strand and sub-strand	Content description	Related content				
Interpreting, analysing and evaluating				Statistics plan and conduct statistical investigations by posing questions or identifying a problem and collecting relevant data; choose appropriate displays and interpret the data; communicate findings within the context of the investigation AC9M5ST03		
	evaluate information and data in a range of formats to identify and describe patterns and trends, or to infer relationships AC9HS5S03			Statistics acquire, validate and represent data for nominal and ordinal categorical and discrete numerical variables to address a question of interest or purpose using software including spreadsheets; discuss and report on data distributions in terms of highest frequency (mode) and shape, in the context of the data AC9M5ST01 Statistics interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made AC9M5ST02 Statistics plan and conduct statistical investigations by posing questions or identifying a problem and collecting relevant data; choose appropriate displays and interpret the data; communicate findings within the context of the investigation AC9M5ST03		
	evaluate primary and secondary sources to determine origin, purpose and perspectives AC9HS5S04	Literacy: Analysing, interpreting and evaluating use comprehension strategies such as visualising, predicting, connecting, summarising, monitoring and questioning to build literal and inferred meaning to evaluate information and ideas AC9E5LY05				

HASS P-6		English	Health and Physical Education	Mathematics	Science	Technologies
Strand and sub-strand	Content description	Related content				
Communicating	present descriptions and explanations, drawing ideas, findings and viewpoints from sources, and using relevant terms and conventions AC9HS5S07	<p>Literacy: Creating texts plan, create, edit and publish written and multimodal texts whose purposes may be imaginative, informative and persuasive, developing ideas using visual features, text structure appropriate to the topic and purpose, text connectives, expanded noun groups, specialist and technical vocabulary, and punctuation including dialogue punctuation AC9E5LY06</p>				
		<p>Literacy: Creating texts plan, create, rehearse and deliver spoken and multimodal presentations that include relevant, elaborated ideas, sequencing ideas and using complex sentences, specialist and technical vocabulary, pitch, tone, pace, volume, and visual and digital features AC9E5LY07</p>				

Mathematics

The following table identifies Mathematics-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

Mathematics		HASS P-6	Science	Technologies
Strand	Content descriptions	Related content		
Number	create and use algorithms involving a sequence of steps and decisions and digital tools to experiment with factors, multiples and divisibility; identify, interpret and describe emerging patterns AC9M5N010			Digital Technologies Processes and production skills: Generating and designing design algorithms involving multiple alternatives (branching) and iteration AC9TDI6P02
	choose appropriate metric units when measuring the length, mass and capacity of objects; use smaller units or a combination of units to obtain a more accurate measure AC9M5M01		Science inquiry: Planning and conducting use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate AC9S5I03	
Measurement	solve practical problems involving the perimeter and area of regular and irregular shapes using appropriate metric units AC9M5M02			Design and Technologies Processes and production skills: Generating and designing generate, iterate and communicate design ideas, decisions and processes using technical terms and graphical representation techniques, including using digital tools AC9TDE6P02
	estimate, construct and measure angles in degrees, using appropriate tools including a protractor, and relate these measures to angle names AC9M5M04			Design and Technologies Processes and production skills: Generating and designing generate, iterate and communicate design ideas, decisions and processes using technical terms and graphical representation techniques, including using digital tools AC9TDE6P02
Space	connect objects to their nets and build objects from their nets using spatial and geometric reasoning AC9M5SP01			Design and Technologies Processes and production skills: Generating and designing generate, iterate and communicate design ideas, decisions and processes using technical terms and graphical representation techniques, including using digital tools AC9TDE6P02
	construct a grid coordinate system that uses coordinates to locate positions within a space; use coordinates and directional language to describe position and movement AC9M5SP02	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02		

Mathematics		HASS P-6	Science	Technologies
Strand	Content descriptions	Related content		
	describe and perform translations, reflections and rotations of shapes, using dynamic geometric software where appropriate; recognise what changes and what remains the same, and identify any symmetries AC9M5SP03			Design and Technologies Processes and production skills: Generating and designing generate, iterate and communicate design ideas, decisions and processes using technical terms and graphical representation techniques, including using digital tools AC9TDE6P02
Statistics	acquire, validate and represent data for nominal and ordinal categorical and discrete numerical variables to address a question of interest or purpose using software including spreadsheets; discuss and report on data distributions in terms of highest frequency (mode) and shape, in the context of the data AC9M5ST01	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Science inquiry: Processing, modelling and analysing construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships AC9S5I04	Digital Technologies Knowledge and understanding: Data representation explain how digital systems represent all data using numbers AC9TDI6K03
		Skills: Interpreting, analysing and evaluating evaluate information and data in a range of formats to identify and describe patterns and trends, or to infer relationships AC9HS5S03		
	interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made AC9M5ST02	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Science inquiry: Processing, modelling and analysing construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships AC9S5I04	
		Skills: Interpreting, analysing and evaluating evaluate information and data in a range of formats to identify and describe patterns and trends, or to infer relationships AC9HS5S03		
	plan and conduct statistical investigations by posing questions or identifying a problem and collecting relevant data; choose appropriate displays and interpret the data; communicate findings within the context of the investigation AC9M5ST03	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Science inquiry: Planning and conducting plan and conduct repeatable investigations to answer questions, including, as appropriate, deciding the variables to be changed, measured and controlled in fair tests; describing potential risks; planning for the safe use of equipment and materials; and identifying required permissions to conduct investigations on Country/Place AC9S5I02	
		Skills: Interpreting, analysing and evaluating evaluate information and data in a range of formats to identify and describe patterns and trends, or to infer relationships AC9HS5S03	Science inquiry: Processing, modelling and analysing construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships AC9S5I04	

Science

The following table identifies Science-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

Science		HASS P-6	Mathematics	Technologies
Strand and sub-strand	Content description	Related content		
Science understanding	Earth and space sciences	describe how weathering, erosion, transportation and deposition cause slow or rapid change to Earth's surface AC9S5U02	Knowledge and understanding: Geography the management of Australian environments, including managing severe weather events such as bushfires, floods, droughts or cyclones, and their consequences AC9HS5K05	
	Chemical sciences	explain observable properties of solids, liquids and gases by modelling the motion and arrangement of particles AC9S5U04		Design and Technologies Knowledge and understanding: Engineering principles and systems; Materials and technologies specialisations explain how characteristics and properties of materials, systems, components, tools and equipment affect their use when producing designed solutions AC9TDE6K05
Skills	Planning and conducting	plan and conduct repeatable investigations to answer questions, including, as appropriate, deciding the variables to be changed, measured and controlled in fair tests; describing potential risks; planning for the safe use of equipment and materials; and identifying required permissions to conduct investigations on Country/Place AC9S5I02		Statistics plan and conduct statistical investigations by posing questions or identifying a problem and collecting relevant data; choose appropriate displays and interpret the data; communicate findings within the context of the investigation AC9M5ST03
		use equipment to observe, measure and record data with reasonable precision, using digital tools as appropriate AC9S5I03	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Measurement choose appropriate metric units when measuring the length, mass and capacity of objects; use smaller units or a combination of units to obtain a more accurate measure AC9M5M01
	Processing, modelling and analysing	construct and use appropriate representations, including tables, graphs and visual or physical models, to organise and process data and information and describe patterns, trends and relationships AC9S5I04	Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	Statistics acquire, validate and represent data for nominal and ordinal categorical and discrete numerical variables to address a question of interest or purpose using software including spreadsheets; discuss and report on data distributions in terms of highest frequency (mode) and shape, in the context of the data AC9M5ST01 Statistics interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made AC9M5ST02

Science		HASS P-6	Mathematics	Technologies
Strand and sub-strand		Content description		
		Related content		
			<p>Statistics plan and conduct statistical investigations by posing questions or identifying a problem and collecting relevant data; choose appropriate displays and interpret the data; communicate findings within the context of the investigation AC9M5ST03</p>	

Technologies: Design and Technologies

The following table identifies Technologies: Design and Technologies-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

Technologies: Design and Technologies		Health and Physical Education	HASS P-6	Mathematics	Science
Strand and sub-strand	Content description	Related content			
Knowledge and understanding	Food and fibre production; Food specialisations	explain how and why food and fibre are produced in managed environments AC9TDE6K03	Knowledge and understanding: Geography the influence of people, including First Nations Australians and people in other countries, on the characteristics of a place AC9HS5K04		
			Knowledge and understanding: Geography the management of Australian environments, including managing severe weather events such as bushfires, floods, droughts or cyclones, and their consequences AC9HS5K05		
	explain how the characteristics of foods influence selection and preparation for healthy eating AC9TDE6K04	Personal, social and community health: Making healthy and safe choices investigate different sources and types of health information and how these apply to their own and others' health choices AC9HP6P09			
		Personal, social and community health: Making healthy and safe choices analyse how behaviours influence the health, safety, relationships and wellbeing of individuals and communities AC9HP6P10			
Materials and technologies specialisation	explain how characteristics and properties of materials, systems, components, tools and equipment affect their use when producing designed solutions AC9TDE6K05				Science understanding: Chemical sciences explain observable properties of solids, liquids and gases by modelling the motion and arrangement of particles AC9S5U04

Technologies: Design and Technologies		Health and Physical Education	HASS P-6	Mathematics	Science
Strand and sub-strand	Content description	Related content			
Processes and production skills	Generating and designing	generate, iterate and communicate design ideas, decisions and processes using technical terms and graphical representation techniques, including using digital tools AC9TDE6P02		<p>Measurement solve practical problems involving the perimeter and area of regular and irregular shapes using appropriate metric units AC9M5M02</p> <p>Measurement estimate, construct and measure angles in degrees, using appropriate tools including a protractor, and relate these measures to angle names AC9M5M04</p> <p>Space connect objects to their nets and build objects from their nets using spatial and geometric reasoning AC9M5SP01</p> <p>Space describe and perform translations, reflections and rotations of shapes, using dynamic geometric software where appropriate; recognise what changes and what remains the same, and identify any symmetries AC9M5SP03</p>	

Technologies: Digital Technologies

The following table identifies Technologies: Digital Technologies-related content in other learning area content descriptions. Strands and sub-strands are only included in the table if related content is available.

Technologies: Digital Technologies		Health and Physical Education	HASS P-6	Mathematics	The Arts
Strand and sub-strand	Content description	Related content			
Knowledge and understanding	Data representation	explain how digital systems represent all data using numbers AC9TDI6K03			Statistics acquire, validate and represent data for nominal and ordinal categorical and discrete numerical variables to address a question of interest or purpose using software including spreadsheets; discuss and report on data distributions in terms of highest frequency (mode) and shape, in the context of the data AC9M5ST01
	Processes and production skills	Generating and designing	design algorithms involving multiple alternatives (branching) and iteration AC9TDI6P02		
generate, modify, communicate and evaluate designs AC9TDI6P04					Media Arts Creating and making use media languages, media technologies and production processes to construct media arts works that communicate ideas, perspectives and/or meaning for specific audiences AC9AMA6C01
Collaborating and managing		select and use appropriate digital tools effectively to create, locate and communicate content, applying common conventions AC9TDI6P07		Skills: Questioning and researching locate, collect and organise information and data from primary and secondary sources in a range of formats AC9HS5S02	
		select and use appropriate digital tools effectively to share content online, plan tasks and collaborate on projects, demonstrating agreed behaviours AC9TDI6P08	Personal, social and community health: Making healthy and safe choices analyse and rehearse protective behaviours and help-seeking strategies that can be used in a range of online and offline situations AC9HP6P08		
Privacy and security		explain the creation and permanence of their digital footprint and consider privacy when collecting user data AC9TDI6P10	Personal, social and community health: Making healthy and safe choices analyse how behaviours influence the health, safety, relationships and wellbeing of individuals and communities AC9HP6P10		

The Arts: Dance

The following table identifies The Arts: Dance-related content in other learning area content descriptions. Strands and sub-stands are only included in the table if related content is available.

The Arts: Dance		Health and Physical Education
Strand	Content description	Related content
Developing practices and skills	develop and practise technical and expressive skills using safe dance practice and the elements of dance AC9ADA6D01	Movement and physical activity: Moving our bodies adapt and modify movement skills across a variety of situations AC9HP6M01
		Movement and physical activity: Moving our bodies investigate how different movement concepts related to effort, space, time, objects and people can be applied to improve movement outcomes AC9HP6M03

The Arts: Media Arts

The following table identifies The Arts: Media Arts-related content in other learning area content descriptions. Strands and sub-stands are only included in the table if related content is available.

The Arts: Media Arts		Technologies
Strand	Content description	Related content
Creating and making	use media languages, media technologies and production processes to construct media arts works that communicate ideas, perspectives and/or meaning for specific audiences AC9AMA6C01	Digital Technologies Processes and production skills: Generating and designing generate, modify, communicate and evaluate designs AC9TDI6P04

References

Australian Curriculum, Assessment and Reporting Authority (ACARA), Australian Curriculum Version 9.0, <https://v9.australiancurriculum.edu.au>.

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