

Mapping the general capabilities

Years 7–10 Science

Overview

The general capabilities are designed to be developed within and through the discipline-specific content of the eight learning areas. Within the Australian Curriculum, icons have been used in content descriptions to identify where general capabilities meaningfully align with learning area content.

The following table provides a detailed mapping of where general capability elements and sub-elements have been identified as being able to be developed in Science content descriptions. Teachers can use their professional judgment in determining how to integrate the general capabilities with learning area content. Not all identified alignments need to be included when planning and teaching. Additional alignment beyond what is represented in the following table is also possible.



General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Critical and creative thinking	Inquiring	Develop questions	AC9S7I01	AC9S8I01	AC9S9I01	AC9S10I01
		Identify, process and evaluate information	AC9S7U01	AC9S8U01	AC9S9U01	AC9S10U01
			AC9S7U02	AC9S8U02	AC9S9U02	AC9S10U02
			AC9S7U03	AC9S8U03	AC9S9U03	AC9S10U03
			AC9S7U04	AC9S8U04	AC9S9U04	AC9S10U04
			AC9S7U05	AC9S8U05	AC9S9U05	AC9S10U05
			AC9S7U06	AC9S8U06	AC9S9U06	AC9S10U06
			AC9S7H01	AC9S8U07	AC9S9U07	AC9S10U07
			AC9S7H03	AC9S8H01	AC9S9H01	AC9S10H01
			AC9S7H04	AC9S8H03	AC9S9H02	AC9S10H02
AC9S7I04	AC9S8H04		AC9S9I05	AC9S10I05		
AC9S7I05	AC9S8I04					
		AC9S8I05				
Generating	Create possibilities		AC9S8U03		AC9S10U02	
			AC9S8U04		AC9S10U04	
			AC9S8U05			
			AC9S8U06			
		AC9S8U07				
	Consider alternatives					
	Put ideas into action	AC9S7U02 AC9S7I01	AC9S8I01	AC9S9I01	AC9S10I01	

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Analysing	Interpret concepts and problems	AC9S7U03 AC9S7U05 AC9S7H01 AC9S7I04 AC9S7I05 AC9S7I06	AC9S8H01 AC9S8I04 AC9S8I05	AC9S9U01 AC9S9U02 AC9S9U03 AC9S9U04 AC9S9U05 AC9S9U06 AC9S9U07 AC9S9H01 AC9S9H02 AC9S9I05	AC9S10U01 AC9S10U02 AC9S10U03 AC9S10U04 AC9S10U05 AC9S10U06 AC9S10U07 AC9S10H01 AC9S10H02 AC9S10I05
		Draw conclusions and provide reasons	AC9S7I06 AC9S7I07	AC9S8I06 AC9S8I07	AC9S9I06 AC9S9I07	AC9S10I06 AC9S10I07
		Evaluate actions and outcomes	AC9S7I07	AC9S8I06 AC9S8I07	AC9S9I06 AC9S9I07	AC9S10I06 AC9S10I07
		Think about thinking (metacognition)				
		Transfer knowledge	AC9S7U06			

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Digital literacy	Practising digital safety and wellbeing	Manage online safety				
		Manage digital privacy and identity				
		Manage digital wellbeing				
	Investigating	Locate information				
		Acquire and collate data	AC9S7I03	AC9S8I03	AC9S9I03	AC9S10I03 AC9S10I04
		Interpret data			AC9S9I04	
	Creating and exchanging	Plan				
		Create, communicate and collaborate	AC9S7I08	AC9S8I08	AC9S9I08	AC9S10I08
		Respect intellectual property	AC9S7I08	AC9S8I08	AC9S9I08	AC9S10I08
	Managing and operating	Manage content				
		Protect content				
		Select and operate tools				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Ethical understanding	Understanding ethical concepts and perspectives	Explore ethical concepts			AC9S9H03 AC9S9H04 AC9S9I02	AC9S10H03 AC9S10H04 AC9S10I02
		Examine values, rights and responsibilities and ethical norms	AC9S7I07	AC9S8I07		
		Recognise influences on ethical behaviour and perspectives	AC9S7I07	AC9S8I07	AC9S9I02	AC9S10I02
	Responding to ethical issues	Explore ethical perspectives and frameworks	AC9S7I02	AC9S8I02	AC9S9I02	AC9S10I02
		Explore ethical issues	AC9S7H03	AC9S8H03	AC9S9I02	AC9S10I02
		Make and reflect on ethical decisions	AC9S7H03 AC9S7I02	AC9S8H03 AC9S8I02	AC9S9H03 AC9S9H04	AC9S10H03 AC9S10H04
Intercultural understanding	Reflecting on culture and cultural diversity	Reflect on the relationship between cultures and identities				
		Examine cultural perspectives and world views	AC9S7H02	AC9S8H02		
		Explore the influence of cultures on interactions				
	Engaging with cultural and linguistic diversity	Communicate responsively				
		Develop multiple perspectives				
		Develop empathy				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Navigating intercultural contexts	Consider responses to intercultural contexts				
		Respond to biases, stereotypes, prejudices and discrimination				
		Adapt in intercultural exchanges				
Literacy	Speaking and listening	Listening				
		Interacting	AC9S7I01 AC9S7I06	AC9S8I01 AC9S8I06	AC9S9I01	AC9S10I01
		Speaking				
	Reading and viewing	Phonological awareness				
		Phonic knowledge and word recognition				
		Fluency				
		Understanding texts	AC9S7H01	AC9S8H01	AC9S9H01 AC9S9I06	AC9S10H01 AC9S10H02 AC9S10I06
	Writing	Creating texts	AC9S7I08	AC9S8I08		
		Grammar				
		Punctuation				
		Spelling				
		Handwriting and keyboarding				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Numeracy	Number sense and algebra	Number and place value	AC9S7I03	AC9S8I03	AC9S9I04	AC9S10I04
		Counting process				
		Additive strategies				
		Multiplicative strategies				
		Interpreting fractions				
		Proportional thinking				
		Number patterns and algebraic thinking	AC9S7I04	AC9S8I04	AC9S9I04	AC9S10I04
		Understanding money				
	Measurement and geometry	Understanding units of measurement				AC9S10I03
		Understanding geometric properties				
		Positioning and locating				
		Measuring time				
	Statistics and probability	Understanding chance				
		Interpreting and representing data	AC9S7I03 AC9S7I04	AC9S8I03 AC9S8I04	AC9S9I03 AC9S9I04 AC9S9I05	AC9S10I03 AC9S10I04 AC9S10I05

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Personal and social capability	Self-awareness	Personal awareness				
		Emotional awareness				
		Reflective practice				
	Self-management	Goal setting				
		Emotional regulation				
		Perseverance and adaptability				
	Social awareness	Empathy				
		Relational awareness				
		Community awareness	AC9S7H04	AC9S8H04		AC9S10H04
	Social management	Communication	AC9S7H04	AC9S8H04	AC9S9I08	AC9S10I08
		Collaboration				
		Leadership			AC9S9H03 AC9S9H04	AC9S10H03
		Decision-making				
		Conflict resolution				



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