

Mapping the general capabilities

Years 7–10 Mathematics

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 Mathematics 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	AC9M7ST03	AC9M8ST04	AC9M9ST05	
		Identify, process and evaluate information	AC9M7M03 AC9M7M06	AC9M8ST02 AC9M8ST04	AC9M9A06 AC9M9ST05	AC9M10A04 AC9M10A05 AC9M10M03 AC9M10M04 AC9M10M05 AC9M10SP03 AC9M10ST04 AC9M10ST05
	Generating	Create possibilities	AC9M7A06 AC9M7SP04	AC9M8A04	AC9M9A06 AC9M9SP03 AC9M9P03	
		Consider alternatives	AC9M7SP01 AC9M7P01	AC9M8N01 AC9M8SP04 AC9M8ST03		AC9M10A03 AC9M10A04 AC9M10A05 AC9M10M05 AC9M10SP02 AC9M10SP03 AC9M10ST03 AC9M10ST05 AC9M10P02
		Put ideas into action	AC9M7SP04			

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
		Interpret concepts and problems	AC9M7N09 AC9M7A01 AC9M7M03 AC9M7M04 AC9M7M06 AC9M7SP04 AC9M7ST01 AC9M7ST03 AC9M7P01	AC9M8N01 AC9M8N02 AC9M8N05 AC9M8A01 AC9M8A02 AC9M8A03 AC9M8M07 AC9M8SP04 AC9M8ST02	AC9M9A05 AC9M9M03 AC9M9M05 AC9M9SP03 AC9M9ST03 AC9M9P03	AC9M10N01 AC9M10A03 AC9M10A04 AC9M10A05 AC9M10M01 AC9M10M02 AC9M10M03 AC9M10M04 AC9M10M05 AC9M10SP01 AC9M10SP02 AC9M10SP03 AC9M10ST03 AC9M10ST04 AC9M10ST05 AC9M10P01 AC9M10P02
		Draw conclusions and provide reasons	AC9M7N05 AC9M7N09 AC9M7A06 AC9M7M03 AC9M7M04 AC9M7M06 AC9M7SP01 AC9M7SP02 AC9M7SP04 AC9M7ST01 AC9M7ST03	AC9M8N02 AC9M8N05 AC9M8A02 AC9M8A03 AC9M8A04 AC9M8M07 AC9M8SP02 AC9M8SP04 AC9M8ST02 AC9M8ST04	AC9M9A05 AC9M9M03 AC9M9M05 AC9M9SP02 AC9M9SP03 AC9M9ST02 AC9M9ST03 AC9M9ST04 AC9M9P03	AC9M10N01 AC9M10A04 AC9M10A05 AC9M10M05 AC9M10SP01 AC9M10SP03 AC9M10ST04 AC9M10ST05

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Reflecting	Evaluate actions and outcomes	AC9M7N05	AC9M8SP04		AC9M10M05 AC9M10SP03 AC9M10ST05
		Think about thinking (metacognition)				
		Transfer knowledge	AC9M7SP04			AC9M10M04
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	AC9M7A05 AC9M7P02	AC9M8P03	AC9M9P03	AC9M10N01 AC9M10SP03 AC9M10P02
		Interpret data	AC9M7A04 AC9M7A05 AC9M7A06 AC9M7ST02 AC9M7P02	AC9M8SP03 AC9M8P03	AC9M9A06 AC9M9ST01 AC9M9P03	AC9M10N01 AC9M10SP03 AC9M10P02
	Creating and exchanging	Plan				
		Create, communicate and collaborate	AC9M7A06	AC9M8A04 AC9M8SP03	AC9M9A04	
		Respect intellectual property				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Managing and operating	Manage content				
		Protect content				
		Select and operate tools	AC9M7N09 AC9M7A06 AC9M7ST02 AC9M7P02	AC9M8N04 AC9M8N05 AC9M8A04 AC9M8SP03 AC9M8P03	AC9M9N01 AC9M9A04 AC9M9A06 AC9M9SP02 AC9M9P03	AC9M10A03 AC9M10A05 AC9M10SP03 AC9M10P02
Ethical understanding	Understanding ethical concepts and perspectives	Explore ethical concepts	AC9M7ST01	AC9M8ST01 AC9M8ST04	AC9M9ST01 AC9M9ST05	AC9M10ST05
		Examine values, rights and responsibilities and ethical norms				
		Recognise influences on ethical behaviour and perspectives			AC9M9ST02	
	Responding to ethical issues	Explore ethical perspectives and frameworks				AC9M10ST01
		Explore ethical issues	AC9M7ST01	AC9M8ST01 AC9M8ST04	AC9M9ST01 AC9M9ST05	AC9M10ST01 AC9M10ST05
		Make and reflect on ethical decisions			AC9M9ST02	AC9M10ST01

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
Intercultural understanding	Reflecting on culture and cultural diversity	Reflect on the relationship between cultures and identities				
		Examine cultural perspectives and world views				
		Explore the influence of cultures on interactions				
	Engaging with cultural and linguistic diversity	Communicate responsively				
		Develop multiple perspectives				
		Develop empathy				
	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						
Speaking						AC9M10ST02
Reading and viewing		Phonological awareness				
		Phonic knowledge and word recognition				
		Fluency				
		Understanding texts				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Writing	Creating texts				
		Grammar				
		Punctuation				
		Spelling				
		Handwriting and keyboarding				
Numeracy	Number sense and algebra	Number and place value	AC9M7N03 AC9M7N04 AC9M7N05 AC9M7N06 AC9M7N07	AC9M8N04	AC9M9N01 AC9M9M02	
		Counting process				
		Additive strategies	AC9M7N03 AC9M7N04 AC9M7N06 AC9M7N07 AC9M7N09	AC9M8N04		
		Multiplicative strategies	AC9M7N01 AC9M7N02 AC9M7N03 AC9M7N06 AC9M7N08 AC9M7N09	AC9M8N04 AC9M8M06	AC9M9A01 AC9M9M02	AC9M10M02 AC9M10M04

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
		Interpreting fractions	AC9M7N04 AC9M7N06 AC9M7N08 AC9M7N09	AC9M8N04 AC9M8M07	AC9M9N01	
		Proportional thinking	AC9M7N06 AC9M7N08 AC9M7N09 AC9M7M06	AC9M8N05 AC9M8M05 AC9M8M07 AC9M8SP01 AC9M8SP04	AC9M9M03 AC9M9M04 AC9M9M05 AC9M9SP01 AC9M9SP02	AC9M10M05
		Number patterns and algebraic thinking	AC9M7A01 AC9M7A02 AC9M7A03 AC9M7A04 AC9M7A05 AC9M7A06	AC9M8A01 AC9M8A02 AC9M8A03 AC9M8A04	AC9M9A02 AC9M9A03 AC9M9A04 AC9M9A05 AC9M9M05	AC9M10A01 AC9M10A02 AC9M10A04
		Understanding money	AC9M7N09	AC9M8N05	AC9M9M05	
	Measurement and geometry	Understanding units of measurement	AC9M7M01 AC9M7M02 AC9M7M03 AC9M7M06	AC9M8M01 AC9M8M02 AC9M8M03 AC9M8M06	AC9M9M01 AC9M9M03 AC9M9M04	AC9M10M03 AC9M10M04
		Understanding geometric properties	AC9M7M01 AC9M7M04 AC9M7M05 AC9M7SP02 AC9M7SP03 AC9M7SP04	AC9M8M06 AC9M8SP01 AC9M8SP02 AC9M8SP04	AC9M9M03 AC9M9M05 AC9M9SP01 AC9M9SP02 AC9M9SP03	AC9M10M01 AC9M10M03

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
		Positioning and locating	AC9M7SP01 AC9M7SP03			
		Measuring time	AC9M7A04	AC9M8M04	AC9M9M02	
	Statistics and probability	Understanding chance	AC9M7P01 AC9M7P02	AC9M8P01 AC9M8P02 AC9M8P03	AC9M9P01 AC9M9P02 AC9M9P03	AC9M10P01 AC9M10P02
		Interpreting and representing data	AC9M7A04 AC9M7ST01 AC9M7ST02 AC9M7ST03	AC9M8ST01 AC9M8ST02 AC9M8ST03 AC9M8ST04	AC9M9ST01 AC9M9ST02 AC9M9ST03 AC9M9ST04 AC9M9ST05	AC9M10ST01 AC9M10ST02
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				

General capability	Element	Sub-element	Content descriptions			
			Year 7	Year 8	Year 9	Year 10
	Social management	Communication				
		Collaboration				
		Leadership				
		Decision-making				
		Conflict resolution				



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