

Overview of cognitive verbs in the Australian Curriculum v9.0

Science

This overview maps the common cognitive verbs used across the Australian Curriculum v9.0: Science. The cognitive verbs are categorised using Marzano and Kendall's (2007) four elements of the cognitive system: retrieval, comprehension, analysis and knowledge utilisation. When brackets are used, this indicates a cognition used in Science that aligns to a common cognition. For the full list of common cognitive verbs, refer to the Categories of common cognitive verbs at www.qcaa.qld.edu.au.

Key: AS = Achievement standard CD = Content description.

Cognitive process*	Cognitive verb	Prep	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Retrieval	Demonstrate			AS							CD	
	Identify	AS CD										
	Recognise	CD		CD			CD	CD		CD		
	Select						CD	AS CD	AS CD	AS CD	AS CD	AS CD
	Select (Order)	AS CD	AS CD									
	Select (Organise)	AS CD										
	Use	AS	AS	AS CD								

Cognitive process*	Cognitive verb	Prep	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Comprehension	Communicate		AS CD									
	Describe	AS CD	AS CD	AS CD	AS	AS CD						
	Explain				AS	AS CD	AS CD	AS	AS CD	AS CD	AS CD	AS CD
	Model						AS CD	AS CD	AS CD		CD	
	Represent	AS CD	AS CD	AS CD					AS CD	AS	CD	
	Summarise										AS	AS
Analysis	Analyse							CD	AS CD	AS CD	AS CD	AS CD
	Apply								CD	AS	AS CD	AS
	Classify				AS			AS		AS CD		
	Compare	AS CD		AS CD	CD							
	Connect										AS CD	AS CD
	Consider		CD	CD	CD	CD			CD	CD	CD	CD
	Examine				CD							

Cognitive process*	Cognitive verb	Prep	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10
Knowledge utilisation	Conduct				CD	CD	CD	CD	AS CD	AS CD	AS CD	AS CD
	Create		CD									
	Create (Construct)				CD	AS CD						
	Decide						CD	CD				
	Decide (Conclude)				AS CD	AS CD	AS CD	AS CD				
	Develop								AS CD	CD	CD	AS CD
	Develop (Generate)						AS	AS	AS	AS	AS	AS
	Evaluate								CD	AS CD	AS CD	AS CD
	Investigate	AS CD	CD									
	Predict	AS CD	CD	CD								
Propose (Pose)	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD				

* Marzano, R & Kendall, J 2007, *The New Taxonomy of Educational Objectives*, Corwin Press, Thousand Oaks, CA.

References

Marzano, R & Kendall, J 2007, *The New Taxonomy of Educational Objectives*, Corwin Press, Thousand Oaks, CA.

More information

This information sheet is part of a suite of resources to support teachers in the explicit teaching and assessment of students' thinking. The suite of resources includes categories of common cognitive verbs, cognitive verb overviews and a cognitive verb toolkit with information sheets, posters and graphic organisers.

If you would like more information, please visit the QCAA website www.qcaa.qld.edu.au and search for 'cognitive verbs'. Alternatively, the suite of resources can be found here: www.qcaa.qld.edu.au/p-10/aciq/version-9/cognitive-verbs-in-version-9.0.



© State of Queensland (QCAA) 2024

Licence: <https://creativecommons.org/licenses/by/4.0> | **Copyright notice:** www.qcaa.qld.edu.au/copyright — lists the full terms and conditions, which specify certain exceptions to the licence. | **Attribution** (include the link): © State of Queensland (QCAA) 2024 www.qcaa.qld.edu.au/copyright.

Unless otherwise indicated material from the Australian Curriculum is © ACARA 2010–present, licensed under CC BY 4.0. For the latest information and additional terms of use, please check the [Australian Curriculum website](#) and its [copyright notice](#).