

What is analysing?

To analyse is to find meaning within and between information provided through text, numerical data, images and other auditory or visual stimulus. It involves pulling ideas and objects apart, looking closely at the detail and then reorganising the ideas to draw conclusions. To analyse information to identify a point of view allows us to discuss a perspective on a topic with evidence. For example, analysing trends in data over time shows patterns and relationships in that data that can be used to draw conclusions.

A process of analysing can include:

- determining the reason for analysis
- identifying essential parts, elements or features
- finding meanings or relationships, patterns, similarities and differences
- determining the logic and reasonableness
- reviewing the analysis to ensure the reason has been met.

Analyse as a cognition

Cognitive verbs are categorised using Marzano & Kendall's four elements of the cognitive system: retrieval, comprehension, analysis and knowledge utilisation (2007).

The cognitive verb analyse is part of the analysis element of cognitive process. This element involves the 'generation of new information not already possessed by the individual' (p. 44).

Analyse in the Australian Curriculum Version 9.0

The cognitive verb analyse appears in various achievement standards (AS) and/or content descriptions (CD) in the Australian Curriculum. The following table shows the use of analyse across the Australian Curriculum in Years 7–10.

Analyse in the Years 7–10 Australian Curriculum AS and CD																
	English	Health and Physical Education	Humanities and Social Sciences				Mathematics	Science	Technologies			The Arts				
			Civics and Citizenship	Economics and Business	Geography	History			Technologies	Design and Technologies	Digital Technologies	Dance	Drama	Media Arts	Music	Visual Arts
Year 7	CD	AS CD	AS CD		CD		CD	AS CD	CD	CD	CD	AS	AS	AS	AS	AS
Year 8	CD	AS CD	AS CD		AS CD		AS CD	AS CD	CD	CD	CD	AS	AS	AS	AS	AS
Year 9	AS CD	CD	AS CD	AS CD	AS	AS CD	AS CD	AS CD		CD	CD	AS	AS	AS	AS	AS
Year 10	AS CD	CD	AS CD	AS CD	AS	AS CD	AS CD	AS CD		CD	CD	AS	AS	AS	AS	AS

Analyse in the Years 7–10 Australian Curriculum AS and CD														
	Languages P–10 sequence							Languages 7–10 sequence						
	Chinese	French	German	Indonesian	Italian	Japanese	Spanish	Chinese	French	German	Indonesian	Italian	Japanese	Spanish
Year 7														
Year 8														
Year 9	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS	AS	AS	AS	AS	AS	AS
Year 10	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS CD	AS	AS	AS	AS	AS	AS	AS

Learning area/subject examples include, but are not limited to:

Year/s	Learning area/subject	AS	CD
Year 7	Humanities and Social Sciences: Civics and Citizenship	Students analyse information and identify perspectives and challenges related to political, legal or civic issues.	analyse information, data and ideas about political, legal or civic issues to identify and explain differences in perspectives and potential challenges AC9HC7S03
Years 7–8	Health and Physical Education	Students analyse factors that influence identities, emotions and responses to change, and describe strategies to respond to these influences.	analyse factors that influence emotional responses and devise strategies to self-manage emotions AC9HP8P06
Year 9	English	Students analyse representations of people, places, events and concepts, and how texts respond to contexts.	analyse how representations of people, places, events and concepts reflect contexts AC9E9LY01
Year 10	Science	Students analyse the key factors that influence interactions between science and society.	analyse the key factors that contribute to science knowledge and practices being adopted more broadly by society AC9S10H03

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.



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