

## What is developing?

To develop is to identify the capabilities or possibilities of ideas or to improve or extend on an idea and bring it to a more advanced or effective state. For example, students consider the development of a garden to attract and provide a habitat for wildlife. By drawing on information about which plants attract wildlife to the local environment, students could then develop their design of a suitable garden.

A process of developing may include:

- determining the information and ideas to be developed
- collecting, examining and organising information
- identifying the information that will be used to expand or elaborate the idea
- discussing how the information adds to the original idea
- reviewing that the ideas have been developed sufficiently.

## Develop 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 develop is part of the knowledge utilisation element of cognitive process. This element involves the 'use of knowledge processes to accomplish a specific task' (p. 51).

## Develop in the Australian Curriculum Version 9.0

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

Develop 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	AS CD		AS CD	AS CD	AS CD	AS CD		AS CD	CD	CD	AS	CD	CD	CD	CD	AS CD
Year 8	AS CD		AS CD	AS CD	AS CD	AS CD		CD	CD	CD	AS	CD	CD	CD	CD	AS CD
Year 9	AS CD		AS CD	AS CD	AS CD	AS CD		CD		AS CD	AS CD	CD	CD		CD	AS CD
Year 10	AS CD		AS CD	AS CD	AS CD	AS CD		AS CD		AS CD	AS CD	CD	CD		CD	AS CD

Develop 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	AS	AS	AS	AS	AS	AS	AS	CD	CD	CD	CD	CD	CD	CD
Year 8	AS	AS	AS	AS	AS	AS	AS	CD	CD	CD	CD	CD	CD	CD
Year 9														
Year 10														

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

Year/s	Learning area/subject	AS	CD
Years 7–8	The Arts: Visual Arts	Students generate, document and <b>develop</b> ideas for artworks.	generate, document and <b>develop</b> ideas for artworks AC9AVA8C01
Year 8	Humanities and Social Sciences: History	Students <b>develop</b> questions about the past to inform historical inquiry.	<b>develop</b> historical questions about the past to inform historical inquiry AC9HH8S01
Year 9	Technologies: Design and Technologies	Students independently and collaboratively <b>develop</b> and apply production and project management plans, adjusting processes when necessary.	<b>develop</b> project plans for intended purposes and audiences to individually and collaboratively manage projects, taking into consideration time, cost, risk, processes and production of designed solutions AC9TDE10P05
Year 10	Science	Students plan and conduct safe, valid and reproducible investigations to test relationships or <b>develop</b> explanatory models.	<b>develop</b> investigable questions, reasoned predictions and hypotheses to test relationships and develop explanatory models AC9S10I01

## 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](http://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](http://www.qcaa.qld.edu.au/p-10/aciq/version-9/cognitive-verbs-in-version-9.0).



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