

Provide options for language, mathematical expressions, and symbols

A suggestion for implementing the strategy 'Provide multiple means of Representation' from the Guide: Universal Design for Learning

Overview

Includes:

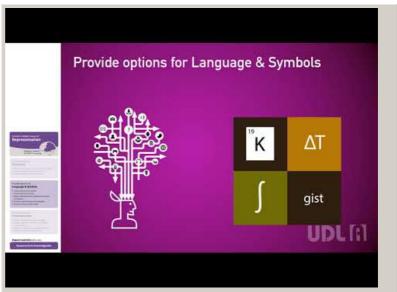
Access to new language Understanding across languages Use multiple media Reflection questions Useful resources

Overview

Explore the 'language' guideline.

Recognise which approaches and strategies are already part of your practice.

Take note of anything you hadn't considered before.



Video hosted on Youtube http://youtu.be/rmnPiU6dMns Closed Captions

Source:

UDLA LACOE https://www.youtube.com/channel/UCZMomkDLIkL-sWPoKTtotQ/featured

Access to new language

To support understanding of new vocabulary and unfamiliar symbols:

Examples of support:

- provide illustrations connected to students' experiences
- use diagrams and visuals alongside
- pre-teach important concepts and vocabulary
- provide opportunities to build vocabulary together
- encourage use of online dictionaries (for example, maths dictionaries)
- embed glossaries or word definitions within online learning environment
- explicitly teach vocabulary through concrete objects and demonstrations.

Understanding across languages

Students highlight the need for teachers to focus on supporting understanding when communicating.



Video hosted on Vimeo http://vimeo.com/85294786

View transcript

Source: Pasifika Education Community (NZ) http://pasifika.tki.org.nz/Media-gallery/Effective-teaching-for-Pasifikastudents/Student-advice-for-teachers2

Use multiple media

Felix is a Year 5 student with dyslexia.

Having the option to use video supports his understanding of new concepts.



Video hosted on Vimeo http://vimeo.com/105617225

Closed Captions

Source: Enabling e-Learning (NZ) http://elearning.tki.org.nz/Teaching/Inclusiveclassrooms/Universal-Design-for-Learning/Using-an-iPad-tosupport-learning

Reflection questions

How will I clarify important vocabulary (for example, embedded support, highlight terms)?

How will I reduce the barriers for decoding of text (for example, text to speech, digital text)?

How will I support second language learners?

What are alternative ways to promote understanding of language (for example, dominant language, link key vocabulary, electronic tools)?

How will I incorporate multiple media to support understanding of text (for example, animation, storyboard, illustrations, simulations, images, or interactive images)?

Useful resources

www

Illustrated mathematics dictionary

A online maths dictionary with easy-to-understand definitions, illustrations, and links to further reading.

Publisher: Maths Is Fun

Visit website



UDL Guideline Language, Math Expressions, Symbols

Supporting resources, including video to support the guideline Language, Math Expressions, Symbols

Publisher: CAST

Visit website

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