MINISTRY OF EDUCATION
TE TĀHUHU O TE MĀTAURANGA

Make effective use of technologies to support access

A suggestion for implementing the strategy 'Helpful classroom strategies in Years 9–13' from the Guide: Dyslexia and learning

Includes:

Coach writers using collaborative tools

Make accessibility tools available to all

Offer text-to-speech tools

Provide audio supports

Use tools and apps with built-in supports

Useful resources

Coach writers using collaborative tools

Sandra Gillies shares how she utilises collaborative tools to support students with dyslexia to expand and organise their writing.

Video hosted on Vimeo http://vimeo.com/100662202
Closed Captions

Source:
Ministry of Education, inclusive education videos (NZ)
http://vimeo.com/album/2950799

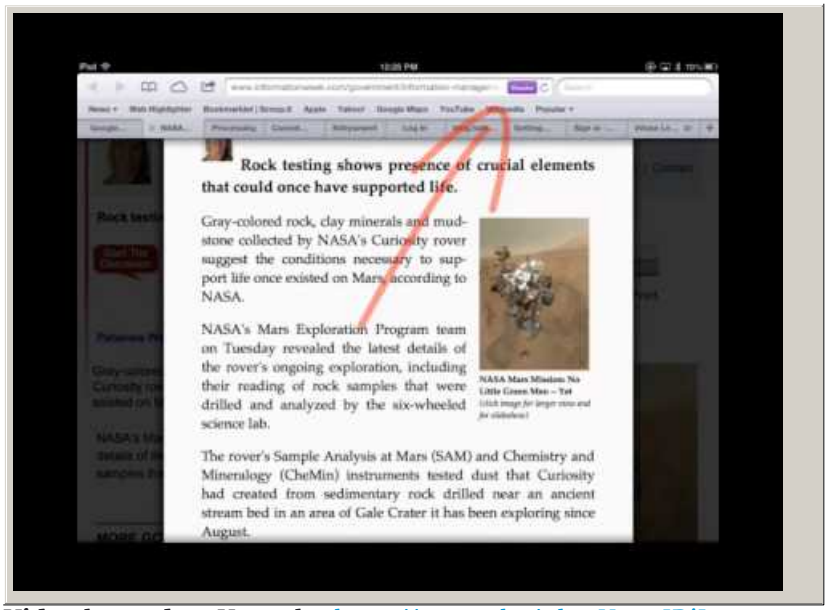
Make accessibility tools available to all

Introduce all students to free or inexpensive tools that can remove barriers and provide support for literacy learning.

- ✔ Text-to-speech (TTS) software converts text from a website or digital document into speech by reading written information aloud. It is often highlighted with word tracking.
  - **TTS on Mac operating systems**
  - **Natural Reader**
  - **Read and Write for Google Chrome**
- ✔ Word prediction software predicts a required word as a student writes, producing a list of words. Explore LetMeType.
- ✔ Explore Mercury Reader or use the Reader function on Mac operating systems to access clutter-free web pages.
- ✔ Spell and contextual grammar checkers. Explore Ginger for Chrome.
- ✔ Closed Captions (subtitles). Turn them on when sharing videos with students.

Offer text-to-speech tools

Kit Hard demonstrates the value of text-to-speech tools. He illustrates how to use them on an iPad.



Video hosted on Youtube http://youtu.be/pkmY-peIRjI

View transcript

Source:
Kit Hard (US)
http://www.youtube.com/watch?v=pkmY-peIRjI

Inclusive Education
From
Guide: Dyslexia and learning
Strategy: Helpful classroom strategies in Years 9-13
Suggestion: Make effective use of technologies to support access
Date
17 May 2024
Link
inclusive.tki.org.nz/guides/dyslexia-and-learning/make-effective-use-of-technologies-to-support-access2

Provide audio supports

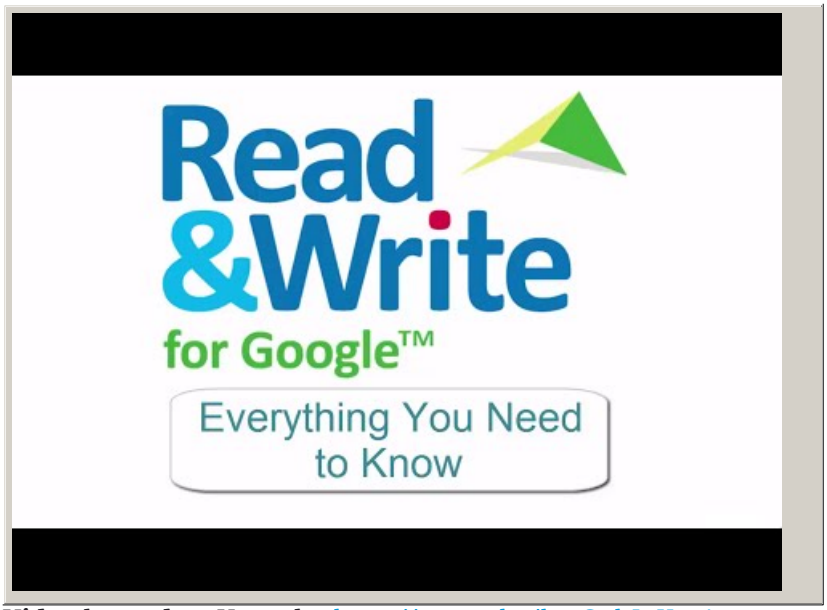
For efficient user-paced multimedia learning, provide children with dyslexia information in an auditory way or with auditory support.

Carolien Knoop-van Campen, Eliane Segers, and Ludo Verhoeven

Source:
The modality and redundancy effects in multimedia learning in children with dyslexia
https://onlinelibrary.wiley.com/doi/epdf/10.1002/dys.1585

Use tools and apps with built-in supports

Model how to use text-to-speech, dictation, glossaries, and highlighters.



Video hosted on Youtube http://youtu.be/hwC_hJ7KmAg
Closed Captions

Source:
David Salmon (US)
https://www.youtube.com/channel/UCnLXip32zlo8qgCuhBuItBA

Useful resources

Technology tools for learning

Strategies and approaches for using technologies to provide inclusive and personalised learning pathways.

Publisher: Ministry of Education | Te Tāhuhu o te Mātauranga

Visit website

Free online assistive technology tools to help with reading, writing and math

Read time: 10 min

Digital tools to assist children with learning and attention issues.

Publisher: Understood

Visit website

Technology tools for learning

Strategies and approaches for using technologies to provide inclusive and personalised learning pathways.

Publisher: Ministry of Education | Te Tāhuhu o te Mātauranga

Visit website

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