

This learning guide is designed for use by Professional Learning Communities, learning coaches and teacher leaders or as a self-paced study to explore how technology can support student success.

Speech recognition (or speech-to-text) technology

Use this conversation guide after viewing the video clip,
[Speech recognition](#)



General synopsis

In this brief video, Dr. Christopher Lee, a leader in the field of learning disabilities and adaptive technology, talks about the potential benefits of speech recognition technology.

Key understandings

- Speech recognition technology, also called speech-to-text, has improved dramatically over the past few years, becoming faster and more accurate.
- Speech recognition technology opens doors to communicating more effectively. Students can use this technology when they come to a word that they don't know how to spell. Students simply say the word and the application spells it out.
- Speech recognition technology can help students write faster and more accurately. The accurate use of this technology also enables students to trust their writing more while reducing their level of stress and frustration.
- It's important that students have the appropriate support as they learn how to use new technologies such as speech recognition.

Questions for reflection and discussion

- Dr. Lee talks about the frustration, stress and tension that some students face when writing. What are some of the benefits of reducing stress and tension with assistive technologies such as speech-to-text?
- Do you see any negative consequences from the use of speech-to-text?
- Which students in your school would benefit most from speech-to-text technology? Why?
- Dr. Lee notes that even though assistive technologies are more accurate now, he still likes someone to check his work for accuracy. How might you arrange to provide that kind of support for a student?
- What might be some barriers for students using speech-to-text technology?
- What kind of ongoing support do you think students would need to effectively use speech-to-text technology?

For more information visit:

<http://www.learningtechnologiesab.com/>

Acknowledgement:

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