



October  
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# Technology in Education

SPED 501 Presentation





**By Marguerite Lafferty**



**Instructor: Virginia Murray  
(Techhub.com, photo)**


# Technology for Special Education

Technologies that improve student learning within a special education environment.

- Text-To-Speech programs
- Dictation Programs.
- Interactive Boards and Touchscreens
- Virtual Learning.

(gadg.com, photo)



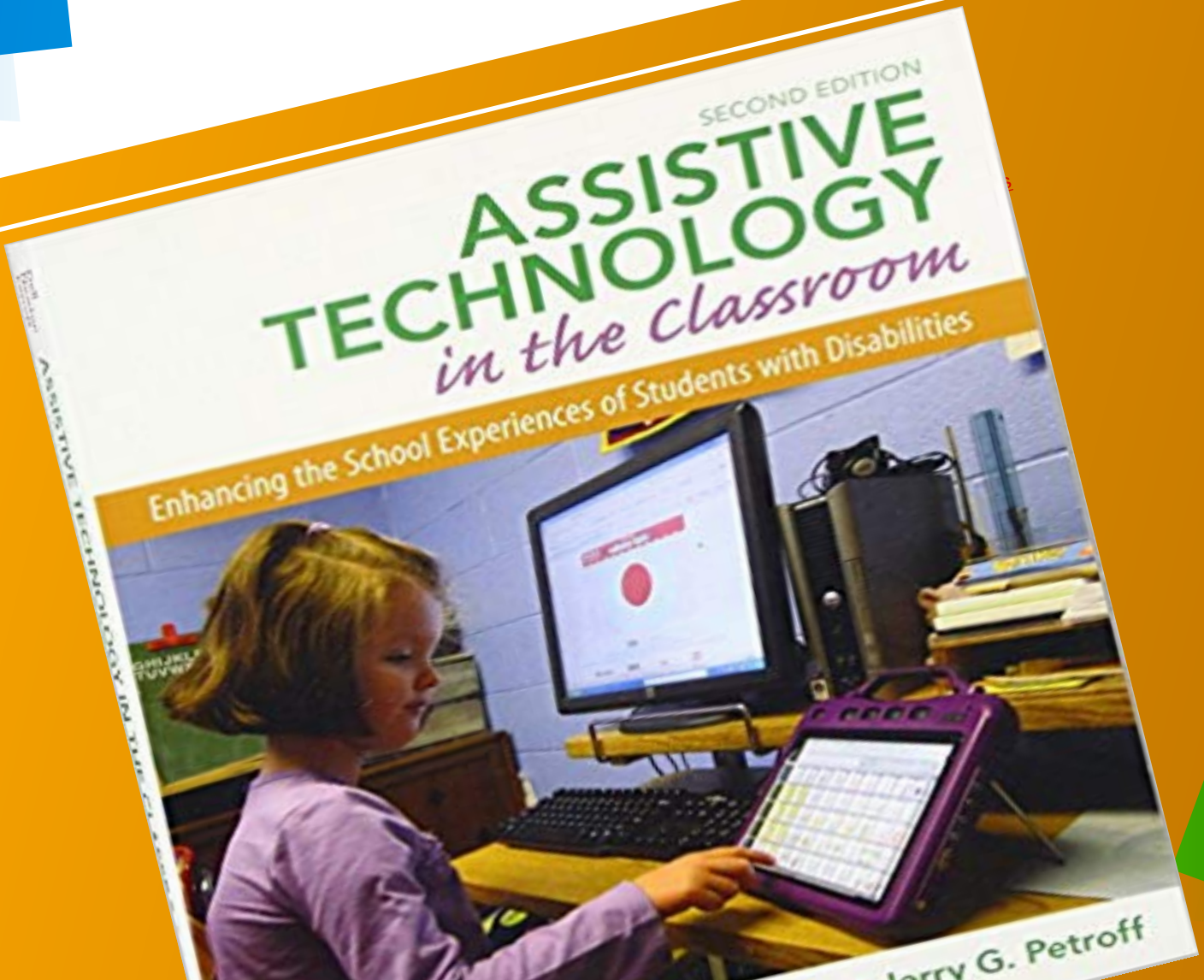
- 
- Text -to-Speech programs help children that suffer from vision problems, dyslexia, speech limitations, and other learning or physical disabilities to communicate easier.
  - Students can benefit from lessons being read aloud to them.
  - Give students confidence in communicating back and forth with the teacher and other students.

(University of West Alabama  
Online, 2019)


# Technology Assistance

## ASSISTIVE TECHNOLOGY *in the classroom*

SECOND EDITION  
Enhancing the School Experiences of Students with Disabilities



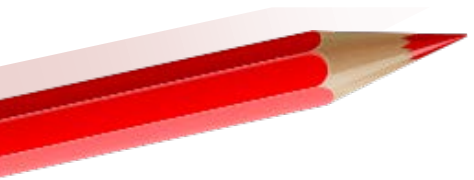
(Dell, Newton, & Petroff, photo)

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- Dictating programs can transcribe the teacher's or the student's speech.
  - These programs are perfect for the students with motor skill disabilities that prevent them from using a keyboard, a pencil, or pen.
  - This will empower these students to complete assignments or take notes and give these students confidence in the classroom with mainstream students as well.


(<https://www.teachthought.com/technology>)

(University of West Alabama  
Online, 2019)

# Touchscreen



(Community.connection.com, photo)

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- Interactive Boards and Touchscreens allow students and teachers to download apps on a tablet to create a portable computer.
  - Now a teacher can walk around the room with his/her computer in their hands.
  - This enables them to teach from anywhere inside the classroom.




(University of West Alabama  
Online, 2019)

# Interactive Technology



(San Diego Unified School District, photo)

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- Virtual Learning programs mean the classroom is not restricted to just the school building.
  - The classroom can now be wherever there is an internet connection; hospitals, other states, home, or some other event.
  - My High School student was attending a sibling's graduation out of state, but was able to hand in homework via her tablet.



(University of West Alabama  
Online, 2019)

# Collaborative Technologies

## EXAMPLES

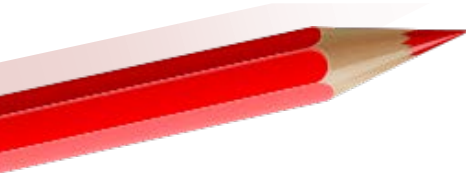
- Google Slides Q & A
- Verso

(Nieves, 2016)



# Google Slides Q&A



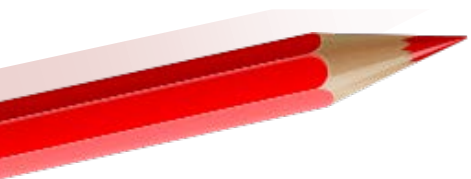
- Google Slides Q&A allow Kathryn Nieves to have her students collaborate in discussions on certain subjects.
  - It allows the students to chime in anonymously.
  - Gives students time to gather and organize their thoughts. (Nieves, 2016)
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# Verso



- Verso is another chrome app Kathryn uses to allow her students to answer questions she poses, but they can't see anyone else's answer until they themselves answer the question. (Nieves, 2016)




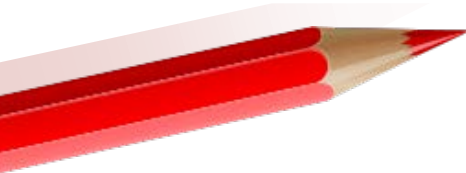
# Technology possibilities



(viewsonic.com, photo)

# Considerations of Technology



- Careful thought to the use of these technologies means students can now interact with the teacher and their classmates.
  - Students who once had no voice in discussions can participate.
  - Students can access individualized programs.
  - Use of certain technologies can assist certain students with limited skills due to a disability.
  - Assistive technologies can offer a student with disabilities to be in a mainstream classroom.
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(Messinger-Willman & Marino, 2010)

# Resources:

Google images [Photos] (n.d.). Retrieved October 16, 2019, from <https://www.google.com/search?q=images+of+students+using+technology+in+classroom+active>.

Heick, T., & Lesley University of West Alabama Online. (2019, October 9). 4 Examples of Technology in The Special Education Classroom -. Retrieved October 16, 2019, from <https://www.teachthought.com/technology/examples-of-technology-in-the-special-education-classr>

Jaime Messinger-Willman and Matthew T. Marino; NASSP Bulletin 2010 94: 5 originally published online 15 June 2010 *Retrieved October 16, 2019*, DOI: 10.1177/0192636510371977

Nieves, K. (2016, November 8). Using Technology to Empower Students With Special Needs. Retrieved October 16, 2019, from <https://www.edutopia.org/article/empowering-special-education-students-technology-kathryn-nieves>.



Thank You!

Marguerite Lafferty