

ASSISTIVE TECH TOOLS

⁶⁶Any device used to promote the learning of children with disabilities.⁹⁹
(Morrison, 2020)

01

Vision
Impaired:



"Large font is nearly 250% larger than on standard keyboards."
(Bigblu Vision Board)

Complex Learning Needs
in Literacy:

02

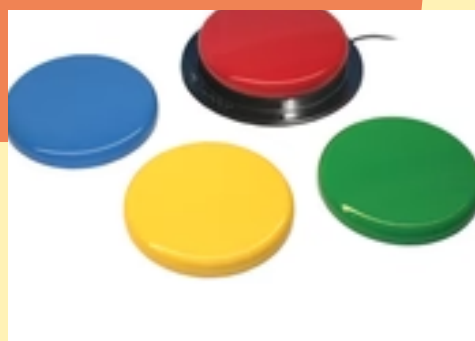
Provides "evidence-based reading intervention, supporting IEP goals and measurable student achievement."
(Readtopia)
E-readers work on engaging children in an inclusive classroom.



03

Fine Motor Challenges:

Switches assist in supporting learners with physical or sensory needs.
(Rhodes, 2025)





ADVANTAGES

- XL KEYBOARDS "SIMPLIFY THE PHYSICAL OR COGNITIVE DEMANDS OF INTERACTING WITH THE COMPUTER." (ROBYLER, 2019)
- "SWITCHES ALLOW THESE STUDENTS TO PERFORM MANY DAILY TASKS AND MAKE CHOICES MORE INDEPENDENTLY." (ROBYLER, 2019)
- A GREAT TEACHER CREATES HARMONY IN THE CLASSROOM, AND THIS MUST BE DONE VIA DIFFERENTIATION BETWEEN STUDENTS. THE EDUCATOR CAN NEVER HAVE A "ONE SIZE FITS ALL" MENTALITY.



DISADVANTAGES

(ROBYLER) "TEACHERS OF STUDENTS WITH SPECIAL NEEDS HAVE TWO KINDS OF CHALLENGES WHEN MATCHING TECHNOLOGY SOLUTIONS TO EACH STUDENT NEED:

(1) TO BECOME FAMILIAR WITH THE ARRAY OF RESOURCES AVAILABLE AND THE STRATEGIES THAT THEY ENABLE AND

(2) TO IDENTIFY HOW TO GAIN ACCESS TO THESE RESOURCES, WHICH CAN BE EXPENSIVE TO PURCHASE AND IMPLEMENT."

RESOURCES

BigBlu Visionboard Wireless Bluetooth Keyboard. (n.d.). Adaptive Tech Solutions, LLC.

<https://www.adaptivetechsolutions.com/bigblu-visionboard-wireless-bluetooth-keyboard/>

Building Wings. (2025a, April 15). Readtopia - Literacy Curriculum for Special education. Building Wings - How ALL Learners Soar: Research-based Inclusive Classroom Literacy Instruction Solutions. <https://www.buildingwings.com/readtopia/>

FlagHouse Forum: Ability Switches--The Nuts and Bolts. (2011). Exceptional Parent., 41(7).

Morrison, G., Woika, M.J., & Breffni, L. (2020). Fundamentals of early childhood education (9th ed.). Pearson.

Roblyer, M., & Hughes, J. (2019). Integrating educational technology into teaching: Transforming learning across disciplines (8th ed.). Pearson.