

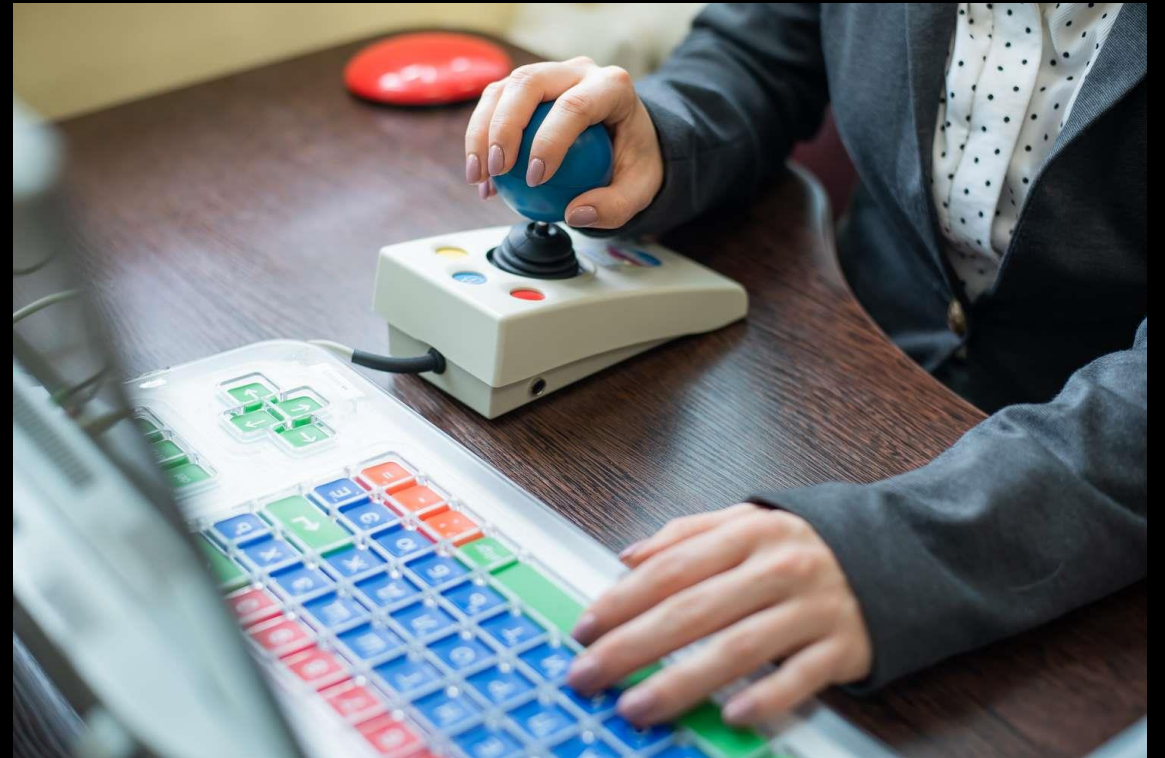


ВСПОМОГАТЕЛЬНЫЕ ТЕХНОЛОГИИ

Камила Роллаң, 2024

ASSISTIVE TECHNOLOGY

- Assistive technology (AT) is any item, piece of equipment, software program, or product system that is used to increase, maintain, or improve the functional capabilities of persons with disabilities.



Screen readers - JAWS/NVDA

- JAWS (Job Access With Speech) software is a screen reading program designed for individuals with visual impairments, converting on-screen text and elements into synthesized speech or braille output to facilitate computer accessibility.



Braille display

- Brailiant BI 20X is a portable Braille Display with 20 Braille cells and Bluetooth connectivity for combined speech and Braille access.



Text-to-speech machine

- ClearReader is a reading machine to read any kind of printed matter with its built-in stereo loudspeakers.
- The PEARL camera with OpenBook software package gives blind and vision impaired users instant access to printed material.



Tactile devices

- The Swell Form Tactile Graphics Machine, formerly known as ZyFuse Heater, is a specialized device used to produce tactile graphics by heating and embossing swell paper, enabling individuals with visual impairments to perceive raised images through touch.
- Tactile Braille Tablet



Book scanners

- IRIScan Book 5 book scanner allows to scan printed documents in 4 to 9 seconds per page (depending on resolution) in high definition (up to 1200 PPP) and directly rework (Word, Excel, PDF...) with its Free Readiris OCR software included.



Induction systems / Sound amplifiers

- Universal induction system for people with hearing impairments IS120/5 is designed for equipping rooms with an area of up to 120 m² for connecting various audio devices, designed to transmit audio information to people with impaired hearing function.
- Sound amplification device with vibrotactile perception module is capable of outputting audio information to each ear separately with an individual level of signal amplification. It is possible to connect up to 10 devices simultaneously to a single remote control for teachers.



Tablets / laptops / phones

- A tablet serves as a supportive device, offering accessibility features such as screen readers, magnification options, and customizable assistive apps tailored to their specific learning requirements. Its portability and touch interface empower students to engage with educational materials independently, fostering personalized learning experiences.



Evacuation devices

- A lightweight evacuation chair with a friction belt to ensure a safe and comfortable evacuation for the mobility impaired.



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