

The Benefits of Assistive Technology in the Classroom



douglas stewart
education focused • relationship driven



IN TODAY'S DIVERSE AND INCLUSIVE EDUCATIONAL LANDSCAPE, IT IS CRUCIAL TO PROVIDE ALL STUDENTS WITH THE TOOLS AND RESOURCES THEY NEED TO SUCCEED

Assistive technology (AT)

Assistive technology has emerged as a game-changer in the classroom, offering a myriad of benefits for students with special needs. This e-book delves into the numerous ways in which assistive technology can be harnessed in schools to support these students, from enhancing engagement to improving learning outcomes and fostering independence.

Why embrace AT?

The benefits of AT in the classroom are undeniable, as it enhances engagement, improves learning outcomes, fosters independence, and prepares students for a successful future. Embracing assistive technology is not just a matter of accessibility; it's a commitment to ensuring that every student has the opportunity to thrive in the modern educational landscape.

Benefits of AT



Personalised Learning

Students with special needs have unique requirements, and AT can be tailored to address those specific needs.



Inclusivity

Using assistive technology in the classroom fosters a culture of inclusivity, where all students' abilities and challenges are acknowledged.



Real-time Feedback

AT can provide instant feedback to both students and teachers. For instance, software that monitors a student's reading ability.

Get in Touch

+44 (0) 1252 612806 | orders-eu@dstewart.co.uk | <https://dstewart.co.uk>

Lili for Life

At Lili, we follow an altruistic and authentic philosophy. The team is focused on developing innovative solutions to help people with dyslexia.



Lili Lamp Plus

Our Vision

Dyslexia is not a deficit, but rather a way in which vision functions and is interpreted by the brain. At Lili's, we emphasise that dyslexia is, above all, a source of resilience and strength!

Our Mission

To provide innovative technological aids aimed at facilitating easier and more efficient reading for individuals with dyslexia, thereby assisting them in realising their complete potential

The discovery

Two physicists from Rennes, Albert Le Floch and Guy Ropars, received the Raymonde Destreicher prize awarded by the French National Academy of Medicine in 2020, three years after "their work on the demonstration of the right-left asymmetry of Maxwell's centroids of the foveas in adults with and without dyslexia.



Key Insights



10% of the world's population is dyslexic according to the World Health Organisation.

83%

of users experienced a real difference in perception and improved reading.

Made in France



Testimonial

With the Lili lamp the letters are bigger. I can read better, I can read the instructions better. And in the evening I am less tired.

Lucy, 9 years old, Rennes

Find out more

<https://dstewart/Lili-for-life>

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Digit Music

We offer accessible digital instruments, learning resources, workshops and CPD removing the complexity and putting back the creativity in music technology.



Our Story

Digit Learning is the education arm of our industry-leading music tech company, Digit Music.

With 30+ years of teaching, educating, performing and obsessing over music, we decided to start Digit Learning. Following the same mantra as Digit Music, we believe music should be available to everyone.

By utilising our years of experience, we've developed innovative resources and technologies that can help you in the classroom today!

How We Got Here

Whilst working with the Able Orchestra, founder Si Tew was battling with a constant issue: the current options for disabled musicians just weren't good enough. Over the next few years, the Digit team worked tirelessly to develop the industry's first joystick-based MIDI instrument, CMPSR, and its companion, Arrownotes, a multisensory gamified music notation.

Fast forward and CMPSR has gone on to be accredited with the Innovation Award by Computer Music and received the coveted 'Tech4Good' award.

Key Insights

Compatible with professional studio software and hardware to support skills in music production and composition.



CMPSR is an approachable and easy-to-use instrument that supports DAW based composition.

Enables students with barriers an alternative to traditional instruments that gives full musical progression.



Testimonial

CMPSR was easy to play, pupils were engaged with the haptic feedback and the look of the instrument. Pupils were excited by learning about music careers for people with disabilities and enjoyed using the CMPSR.

Pioneer House

Find out more

<https://dstewart/digit-Music>

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Nuance Hearing

We offer accessible digital instruments, learning resources, workshops and CPD removing the complexity and putting back the creativity in music technology.



Voice Selector Study

Our Beginnings

The 'cocktail party problem' – or the problem of picking out speech in noisy social situations – has remained stubbornly unaddressed for years. So how do you solve it?

In 2015 two brothers, Yehuda and Zohar Zisapel – both tech pioneers since the 1970s – decided to find the answer. Seeking a technological solution to the challenge of understanding conversation in a packed room.

In the years that followed, we've made quantum leaps in acoustic beamforming, developing an algorithm that leads the world in directional hearing.

Our Future

We make it our mission to provide meaningful, personal empowerment through technology.

Noise and attention issues have a damaging effect on communication for millions of people.

Thanks to our truly breakthrough technology, we are able to make a real impact. Improving the quality of life for a diverse group of people.

Key Insights

Minimising noise, maximising focus. Naturally filtering the teacher's voice from background noise takes effort and concentration. By doing that work for you, Voice Selector Study makes it easier to listen. So you can concentrate better, learn more, and achieve the results you want..



The relief Voice Selector Study provides is immediate, with minimal setup required. Easier concentration and better results have never been closer.



Testimonial

I have tried the Voice Selector Study with a number of ADHD clients who have found it very helpful. One boy has sensitivity to noise, in particular rustling paper, and the device just cuts it out.

Katie Trowse, Neurodiversity Mentor & Tutor

Find out more

<https://dstewart/nuance-hearing>

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SUMMARY

In conclusion, assistive technology is a powerful tool that promotes diversity, inclusion, and the personalised learning of students with special needs. It not only enhances engagement and learning outcomes but also fosters independence, self-advocacy, and a sense of belonging in inclusive classrooms. By incorporating AT into education, we're empowering all students to reach their full potential and preparing them for a more inclusive and accessible future.



Check out our other assistive technology brands

<https://dstewart.co.uk/brands/assistive-technology.html>



Get in touch with our friendly team

Have questions or want to explore our wide range of edtech solutions? Feel free to get in touch with our friendly team. We're here to support you every step of the way. Your success is our success, and we're committed to helping you make a real difference in education.

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