

The Future of Printing in Education

HOW TECHNOLOGY IS
TRANSFORMING THE CLASSROOM



SUMNER ONE

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When tech aligns
with student needs,
learning grows
like planted seeds.



Introduction



The next generation is the future of tomorrow, and knowledge guides their actions.

Schools must be equipped to meet students' learning needs by adopting the most effective methods and creating an environment that fosters their growth. Each institution is responsible for ensuring that every student receives the support and education they need to thrive.



Learning materials are necessary to achieve this growth-oriented environment. These can be printed materials such as topic handouts, test questionnaires, and other pertinent materials that can enhance student development by improving their daily classroom activities.

Studies show that students' academic achievements improve when they read on paper because of tactile learning.

This suggests that physical interaction with printed materials—such as the ease of annotation for reading handouts—will likely improve student comprehension and retention.



For teachers, printed materials are necessary to streamline their workflow and aid in efficiently teaching students by simplifying their lesson planning and preparation.

Printed materials also allow teachers to create vital learning resources like engaging worksheets and implement hands-on activities to assess and ensure that each student is effectively guided to understand each subject thoroughly.

It is crucial to supply teachers with effective technology to develop learning resources.

Unfortunately, considering students' growing needs, traditional printing solutions can be costly, inefficient, and largely unsustainable.

Studies have shown that the average school spends about \$200,000 on paper annually.

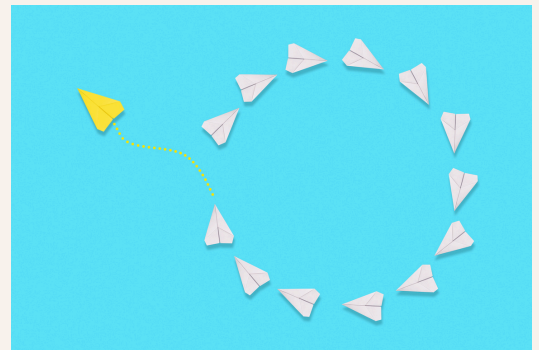
These costs don't even include the burden of constantly purchasing ink cartridges and services for printer maintenance. This highlights that as the upkeep of ordinary printers becomes more expensive, efficiency shifts from a luxury to a necessity.



Understandably, treading across these topics can be intimidating, given how delicate decision-making can be, but luckily, this ebook is for you!

To help you navigate the landscape of modern printing solutions and justify their need in today's school environments, we've created a guide that details exactly that.

Major Trends in Education



As technology expands, so does the world around it.

Over the years, technology has undeniably impacted the educational sphere. Technology has penetrated the learning environment, from using electronic devices like smartphones to scour the Internet and search for pertinent research to using laptops or other computer devices to conveniently create relevant documents like homework for students or lesson plans.



Presented below are some of these key trends in education:

1 Remote Learning For Students

During the peak of the COVID-19 pandemic, lockdowns forced schools to close and shift to online learning. Teachers had to adapt quickly, finding new ways to effectively deliver their lessons.

Years later, this approach remains in use, whether for non-student activities on campus or as a supplement to traditional learning through online programs.

As this trend continues to grow, some barriers remain. For instance, not all students have reliable internet access or devices. Printing learning materials, such as worksheets or textbooks, help offset this by ensuring equitable access to education regardless of connectivity issues.



These printed learning materials are also valuable for supporting online learning. Excessive screen time from electronic devices like smartphones can lead to eye strain. Providing physical handouts helps alleviate this issue.

In distance learning, printers play a crucial role in bridging the gap between online and in-person education by offering tangible materials that replicate the experience of a traditional classroom.

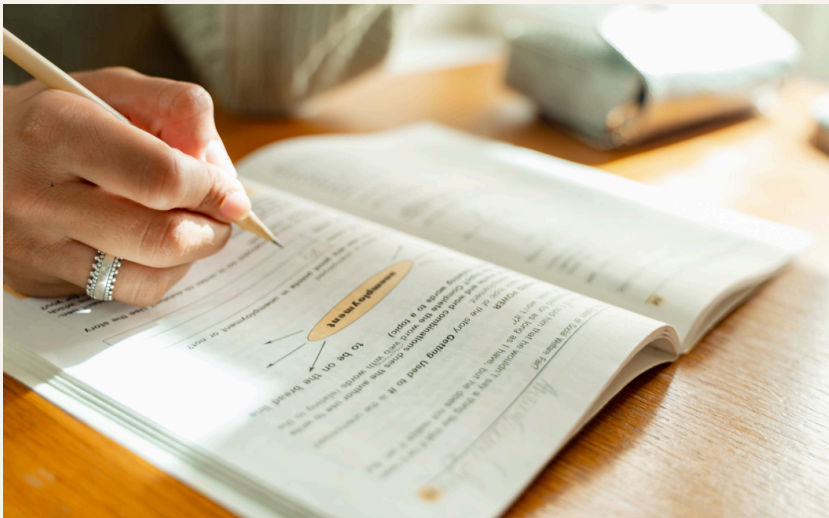


2 Personalized Learning Materials

Often, teachers' education is not enough to ensure that each student thoroughly comprehends the topic taught. Simple discussions can be lacking or overwhelming, so students turn to other learning materials to ensure the information sticks.

Every student is unique, with different learning styles, making personalized learning materials essential to effectively meet their individual needs. Over time, the demand for personalized learning materials has increased.

While personalized teaching was common before the modern age, providing tactile material for kinesthetic learners, visually appealing layouts for visual learners, and opportunities for annotation for active learners is still vital for helping today's students digest information properly.



Printers, particularly digital ones, help teachers easily customize materials like workbooks. Creating tailored content with skill-specific exercises can be difficult, especially when there are hundreds of students to adjust to, so features like color printing and high-quality image reproduction can ensure that the learning material they create effectively meets each student's needs.



3

Environmental Sustainability in Schools

As institutions shape their students in knowledge and principle formation, environmental stewardship is a big part of what is imparted.

Students perceive the faculty as their role models, so fostering a culture that promotes environmental preservation is best suited to developing students into conscientious individuals in the future.

For this reason, every school is responsible for operating in an environmentally sustainable manner.

Student advocates of eco-consciousness have seen a rise in recent decades as the world shifts to social movements oriented on quality of life adjustments. To align with these goals, institutions are encouraged to practice proper waste segregation and other similar programs to align with these goals.



For printers, which see high-volume use in schools for both student and teacher use, eco-friendly practices are being incorporated to minimize environmental footprints and decrease paper wastage. Such practices play a key role in helping schools achieve their sustainability goals and appeal to environmentally conscious families.



Considering all the aforementioned trends in schools, printers have a pivotal role in fostering an environment that aligns with the direction schools are heading.

[Studies](#) reveal that the printer industry is projected to grow at a rate of 4.66% from 2023 to 2032. This provides insight into how each printer constantly evolves to meet today's demands—and schools are no exception.

Traditional printers lacked effective high-volume speed, finishing options in stapling and hole-punching, and on-demand printing, which struggled to keep up with the growing education landscape.

On the other hand, modern solutions move beyond these traditional methods and embrace solutions that optimize printing for schools to meet student needs effectively.

Major Trends in Printing For Education

Understanding the current landscape of the printing industry requires a comprehensive understanding of what educational institutions need. Fortunately, the previous pages covered that topic. Now, it's time to delve into modern solutions.

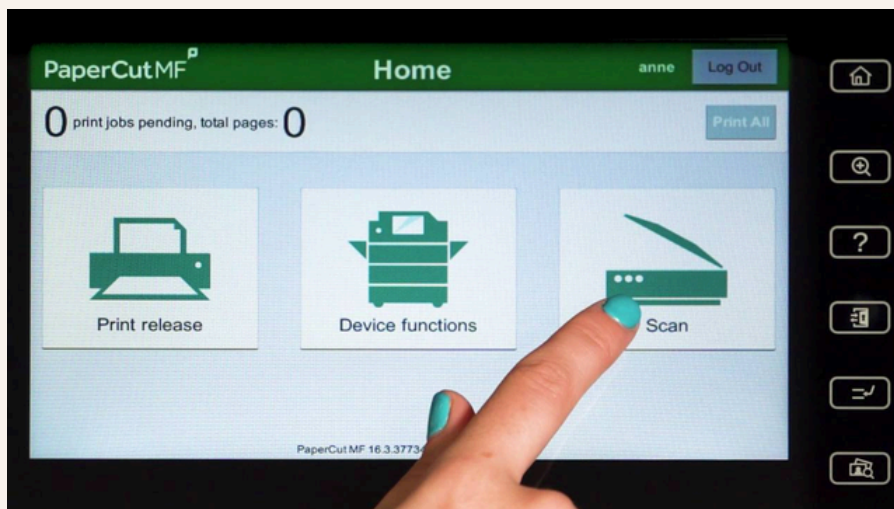
Modern printing technology offers a wealth of advancements designed specifically to meet the demands of changing learning environments. These innovations are highly involved in transforming classrooms because how schools create, manage, and distribute printed materials defines students' opportunities to develop.

In addition, they also lead to institutional efficiency by increasing cost savings and reducing overall paper wastage. Don't believe us? Well, just recently, SumnerOne helped the [Hickman Mills C-1 District](#) save about \$1 million by implementing new and effective solutions.

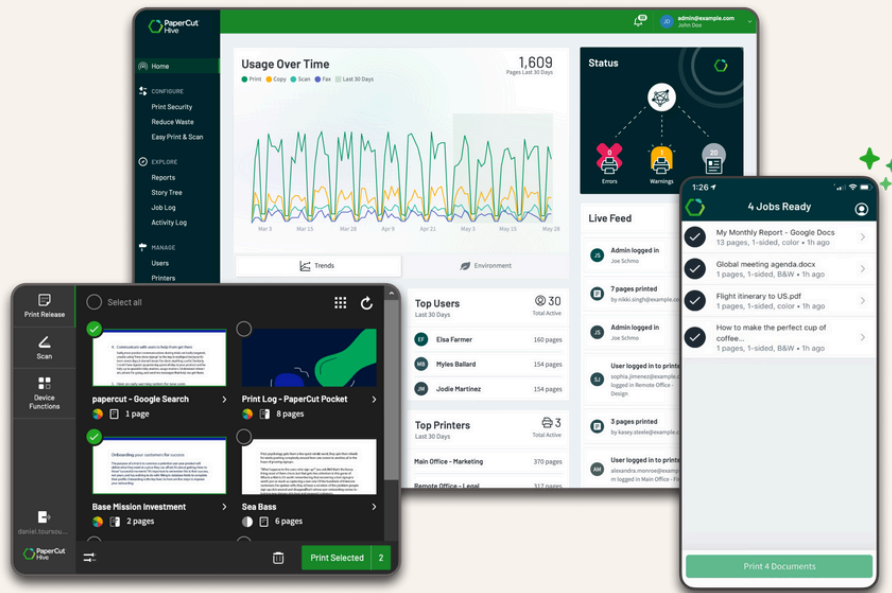


To further guide you, here are the latest advancements in printing technology that are specifically tailored for education:

1 The Advancement of Digital Tools



Digital tools, defined by software, platforms, and applications that integrate with the printing process and directly impact it, are commonly associated with transforming simple printing into a more connected and efficient workflow.



As the years pass, not only hardware technology is developing, but software and other internal programs also leverage the latest advancements in digital technology to improve printer operation, increase output quality, and offer more customization options. This allows teachers and students to manipulate how their desired output will look once printed freely.

These digital tools can come in the form of collaboration platforms which allow collaborative editing before printing a document, and document management systems which facilitate the creation and dissemination of relevant digital documents, thereby increasing accessibility.



2

Cloud-Based Printing

Cloud-based printing stores data in the cloud, which includes servers accessible online and software and databases that operate on those servers. This offers various benefits, such as remote printing, which allows students and teachers to print from anywhere simply through an Internet connection, providing an unmatched level of convenience.

Cloud printing offers more versatile usability than traditional solutions that use dedicated print servers or hardware saving. Any device with Internet access can print a document. This provides a key advantage for schools because a student or teacher must connect to a specific Wi-Fi connection before the print job is processed.

Cloud-based printing also considers centralized management through web interfaces, significantly reducing the need for substantial IT resources typically needed to operate independent print servers for maintenance.



In addition to cloud-based printing, SumnerOne's One-Stop Print Services portal is also considerable. Similar to cloud-based printing, it unifies a fragmented system to create a whole that effectively serves everyone.

Recently, SumnerOne collaborated with [Canon](#) to provide St. Louis Community College with a customized print services portal that allows them to order printed material from a centralized system. This feature is a direct upgrade for most institutions.



3 Secure Document Management



Secure document management focuses on security and your printer's safety from cyber attacks and misuse. Since printers are involved in printing confidential or deeply personal documents, security is often prioritized to safeguard privacy.

To be more concrete, these advancements include user authentication—for security purposes, which allows only the intended users to accomplish their objectives, and follow-me printing—also known as pull printing, which sends print jobs to a central queue to ensure confidentiality and reduce unclaimed prints.

Schools might find the latest usage tracking features viable. SumnerOne recently helped [Metropolitan Community College](#) set up a cost-efficient print environment. We simplified their processes and added student print tracking and job submission software, which helps identify areas for improvement and perform other cost analyses.




Why Every School Needs a Trusted Print Solutions Provider

Considering all these advancements, you should be aware that modernizing your school's printing infrastructure is a significant undertaking. It requires careful planning and execution, the right budget, and commitment. Most especially, it requires choosing the perfect partner.

Choosing the wrong partner may lead to frustration and wasted resources due to inadequate solutions and lack of educational expertise, so identifying which source of service providers is an essential step in taking hold of these technological advancements to maximize the students' learning environment.

Fortunately, there is a clear answer to meet all of your demands.



At SumnerOne, we are prepared to take the burden off your shoulders.

For over 70 years, we have consistently provided high-quality solutions tailored to schools and other organizations in the Midwest and beyond.

We offer a comprehensive suite of print and business technology solutions and an unwavering commitment to service.

We can equip your institution with the technology it needs to transform its learning environment and ensure that students are taught to the best of their teachers' abilities.

Start Preparing For The Future of Educational Printing

The evolution of technology is steep. Printer advancements occur constantly in response to the continually changing educational environment, and you need to decide how your institution will address this.

We've presented the key advancements in print technology and demonstrated how print plays a crucial role in supporting key educational trends, such as remote learning, personalized learning materials, and environmental sustainability.

Traditional printing methods present multiple challenges in cost, efficiency, and environmental impact. Modern solutions, such as advancements in digital tools, cloud-based printing, and secure document management, seek to address these concerns and maximize teachers' strengths while providing student service.

As a key decision-maker, this step is pivotal. How you arm your institution with the right technology will dictate how your institution will function in the future in creating the key role players of society.

SumnerOne is here to help. With our deep understanding of educational needs, comprehensive array of solutions, and commitment to customer service, we're uniquely positioned to provide customized print technology solutions for your school's unique needs.

We will help your school realize its full potential and navigate the changing environment while helping your teachers and students meet their goals!



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