

Solution Summary

The Lexmark Education Station is a **Lexmark X646dte multifunction printer** with embedded education applications and additional software to make paper-based classroom workflow tasks easily accessible with one touch from the custom eTask interface screen:

- **Print Test** prints blank bubble sheets for student testing, plus a barcoded answer key bubble sheet for test scoring.
- **Grade Test*** scans the completed answer key and student bubble sheets using OMR software, individually grading tests and producing your choice of printed reports in minutes.
- **Scan to Classroom** scans documents directly to a network folder associated with a specific classroom, teacher or grade.
- **Forms on Demand** lets users print selected bookmarked electronic documents directly from the MFP.

*Requires optional software purchase



The speed of this new approach is making a tremendous impact on student achievement. Now teachers can test when they want and how they want, without the added time and cost burden. With the information they need, teachers can adjust their approach to specific material that the students may not have mastered.

SOURCE: Roy Lanier, Chief Technology Officer, Laredo Independent School District, Laredo, Texas, www.laredoisd.org



Lexmark's Education Station MFP performs classroom testing and paperwork tasks with just one touch

As the use of optical mark recognition or "bubble sheet" test forms continues to grow, so do the costs and problems associated with the testing, grading and reporting processes. Pre-printed bubble sheets are costly to purchase and process, and take up valuable storage space. But the real issues revolve around teacher productivity and student performance.

Waiting weeks to review test results and assess student understanding of material can lead to missed opportunities for educational interventions. Most pre-printed bubble sheets are restricted to multiple choice or true-false answers, preventing teachers from including open-ended test questions. And with the need to manually prepare test reports and other classroom documents, teachers spend more time on paperwork instead of lesson planning and other student-focused tasks.

A versatile, hard-working "teacher's aide" for busy school classrooms

The Lexmark Education Station is a Lexmark X646dte monochrome laser multifunction printer (MFP), pre-loaded with education-specific applications to simplify school workflow processes. Providing print on demand bubble sheet tests, instant grading results and prompt reporting, the Education Station allows teachers to react quickly to an individual student's comprehension gaps, as well as to adjust teaching methods and curriculum content to address overall class comprehension issues.



Custom education functions are all easily accessed through icons on the MFP's user-friendly eTask touchscreen interface, allowing teachers and school staff to initiate tasks with a single touch. And unlike a stand-alone OMR scanner, the Education Station is also a full-featured Lexmark X646dte MFP with the ability to print up to 50 pages per minute with robust copy, scan and fax capabilities.

Immediate access to a suite of powerful education workflow solutions

Lexmark's Embedded Solutions Framework (eSF) and optional grading software allow Java-based education applications to run directly on the Education Station MFP, minimizing server burden and network traffic. Deployed in or near the classroom, the Education Station is ready to perform these everyday paper-based functions:

Print Test

Initiate printing of blank 15, 30 or 60-question test bubble sheets right at the MFP.

- Prints a barcoded answer key bubble sheet as the first page for the teacher to complete
- Can include space for answers to open-ended questions, unlike most other bubble sheet print options
- Ease of printing bubble sheets allows teachers to assess student performance more often, as soon as new content is presented

Grade Test*

Scan and score student bubble sheets using the teacher's completed answer key bubble sheet and produce printed summary reports in minutes, directly on the MFP.

- Tests are graded individually
- Choose from three report formats: Student Grade Report, Class Averages Report and Test Statistics Report
- Immediate reports allow teachers to identify and address comprehension problems quickly

Scan to Classroom

Teachers can scan and send proof of work documents, or student work that teachers may need for a parent conference, from the Education Station directly to a personalized destination on the network. Office personnel can also use the same icon to scan and e-mail tardy slips, doctors' notes and discipline forms directly to teachers.

- Shared folder can be associated with a classroom number, teacher or grade
- Configuration can allow for the user to authenticate, change or create subdirectories, change the filename or create an index file
- With the ability to manage their own documents, teachers can reduce the time they spend on paperwork and free up more time for teaching

Forms on Demand

Busy teachers and administrative staff often do not have time to log in to a workstation, locate a document and submit a print job. Forms on Demand allows users to quickly and easily access and print forms right at the Education Station MFP.

- Can be configured from the MFP operator panel
- Allows for adding descriptive names to internet or intranet URL's
- Cuts printing, storage and obsolescence costs of pre-printed forms

*Requires optional software purchase

Idle Screen

When the MFP enters the idle or power-save mode, an education-themed image covers the entire touchscreen, similar to a computer screensaver. To access the MFP interface, the user simply touches the screen.

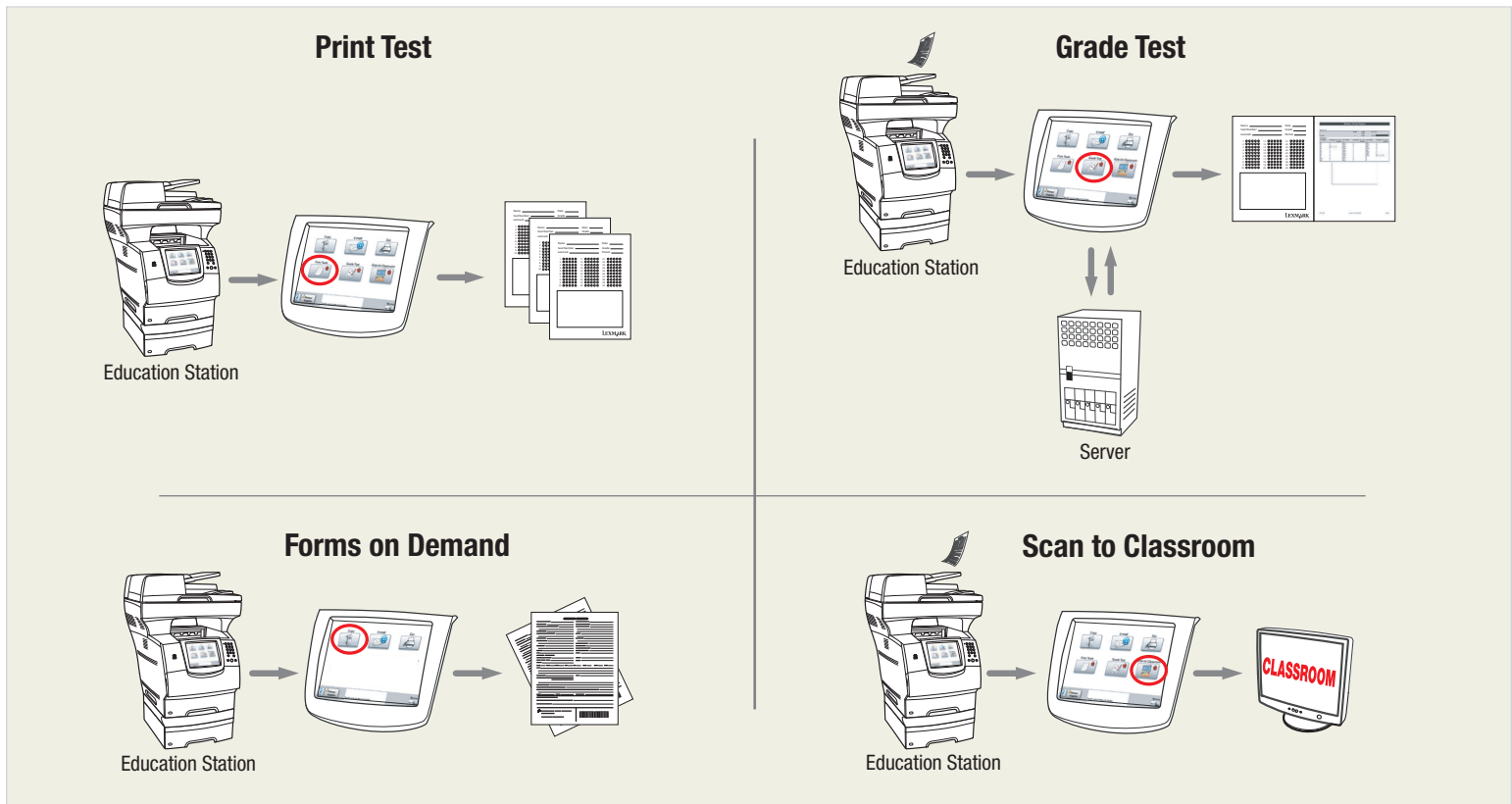
Ready to graduate to additional Lexmark education solutions

The Education Station not only functions as a productive, print-based solution for classroom testing and paperwork but is also ready to integrate with Lexmark Document Solutions Suite and Lexmark Document Distributor software to add powerful electronic workflow capabilities.

Leveraging these robust applications, the Education Station can be configured to deliver scanned tests to a centralized server to complete the grading process, write the grades to your SIS database and/or grade book, and provide more advanced reporting options. This upgrade also allows full control over the design of test forms, with the ability to pre-slug bubbles and barcode student information and other data. It can also be used to create, print, score and analyze parent or community surveys, attendance sheets and other school forms for a complete school workflow solution.

Learn how the Education Station can make the grade in your school classrooms

By seamlessly integrating the versatility and one-touch ease of use of the Lexmark X646dte MFP with a suite of custom education workflow solutions, Lexmark's Education Station can help your teachers manage student testing and classroom paperwork more effectively, freeing up more time to focus on student instruction. To put the Education Station to work in your classrooms, contact a Lexmark education industry representative today.





Every day, Lexmark color and monochrome multifunction printers go to work for some of the world's most important companies. **And their performance hasn't gone unnoticed.**



Lexmark Multifunction Printers

The award-winning Lexmark printers include many features right out of the box. The only limit to what your business can do with these devices might just be your imagination.

Centralized Devices

Lexmark X850e
Lexmark X852e
Lexmark X854e

Distributed Devices

Lexmark X644e
Lexmark X646e
Lexmark X646dte
Lexmark X772e

Productivity Right Out of the Box

Easy-to-use, integrated Lexmark multifunction printers with a color touchscreen allow you to manage documents more effectively. Big, colorful and easy to use, the new eTask touchscreen puts powerful output features to work with just a touch. Customize the touchscreen interface with Lexmark's new embedded solutions framework or Lexmark Document Solutions Suite Software to access electronic forms and automate complex business processes.

eTask Interface – Customizable, vivid and familiar icons on the Lexmark eTask 8-inch color touchscreen provide access to print, copy, fax and scan-to-email functions or custom workflows.

Scan Preview – The ability to view the first page of a scanned document before sending helps ensure accuracy.

Job Build – When scanning jobs that include both the automatic document feeder (ADF) and the flatbed, the entire job can be saved as a single file.

Priority Copy (Job Interrupt) – For convenience copying, this feature allows you to temporarily interrupt a print job, then resume once the copy is made.

Mixed Original Sensing – When mixed sizes of documents are placed in the ADF, this feature ensures that the appropriate paper size is selected in the copy process.

Job Cancel – This intuitive feature clearly lists all jobs in each queue (print, copy, fax) to ensure cancellation of the correct job.

Direct USB Scanning/Printing – Print image files directly from a USB flash drive or scan documents and save them as pdf, tif or jpeg files onto a USB flash drive.

Security Standard

Your business invests in securing networked PCs and servers, so why not secure your printers and MFPs? All high-function network devices should be protected against attack and configured to support your network security policies. Lexmark's MFPs and printers support best industry practices for network device protection. Lexmark devices can be managed securely through an array of industry-standard functions that suit your needs.

Confidential Print – Hold print jobs until the intended recipient enters an appropriate PIN number that allows the job to be printed.

Operator Panel Lock – Lock a printer or MFP operator panel, entirely or to administrators only, requiring a PIN number to unlock it.

TCP Connection Filtering – Printers and MFPs can be configured to allow TCP/IP connections from only a specified list of TCP/IP addresses.

Hard Disk Encryption – An MFP hard disk can be configured using a 128-bit AES key that encrypts all data on the drive.

MFP Lockout – MFPs can be locked so that the touch screen is disabled and all incoming print and fax jobs are stored securely on the hard drive until the MFP is unlocked by entering the appropriate PIN.

SNMPv3 – Lexmark MFPs support SNMPv3, including authentication and data encryption, to allow secure remote management of the devices.

IPSec – All network traffic to and from printers and MFPs is encrypted and authenticated.

Secure User Authentication – MFP functions can be restricted so that users must authenticate prior to performing copy, scan-to-e-mail, scan-to-fax, scan-to-network, workflow scripts or embedded applications.

Secure LDAP over SSL – Information exchanged via LDAP, including user credentials, names, e-mail addresses and fax numbers, is encrypted to preserve the confidentiality and privacy of data.