



High School Gets Full Marks for Creating More Accessible Printing

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Rechi Relatores

Applied Technical Services

JSerra High School

Evolved wireless printing options for students printing documents reduces lineups and waste.

The Client

In a world where technology and its applications in the educational setting are as fluid as any feature of our society, JSerra High School (JSHS), a private Roman Catholic school in California, is building a digital school that transcends the boundaries of the traditional high school and is reinventing the model for progressive learning. The use of technology and the integration of the school with extracurricular and community activities is an important aspect of the educational program.

JSHS has developed a learning institution that combines the power of tools and technology to leverage the unique capabilities of students, teachers, and parents. JSHS is placing the power of digital connectivity, mobile computing, and software in the hands of its students to promote accelerated learning, creative thinking, and encourage collaboration and knowledge-sharing among its academic community.

Technology at JSHS is implemented at such a pervasive and basic level that the technological tools are viewed by the students as just that - tools that are an adjunct to the teacher-student relationship and that are used to enrich the learning experience. When a student has completed their course of studies at JSHS they will no longer think of the wireless notebooks as a neat gadget, in fact they probably will not think about them at all.

The success of technology introduction to the students at JSHS brings some inevitable needs in keeping pace with the latest wireless technological developments. This includes wireless printing for

students, the next logical step in extending the benefits of wireless networks and completing the mobile productivity picture.

The Challenge

Full access network printing from any location for students

It was evident that printing at the JSHS library, accessible to all 350 students plus all staff members, needed to be changed. With printing offered at no charge, mountainous paper piles on the printers and long lines to use the equipment accounted for student and staff headaches. In addition, the school wanted to support their print-less initiative where less paper was wasted, especially with print jobs that were printed, but not claimed, by the students." We felt that if there were more checks in place during the print process, that we would see less wasted print jobs", revealed Relatores.

JSHS I.T. provides first level technical support for all students and knows that printing processes across the campus could also be improved due to its inefficient nature. Printing could be simplified and the management of printing assets improved to reduce the number of print-related help desk calls - about 30% of which are related to output issues.

In addition, the school's I.T. staff was challenged with how to most effectively channel print requests from both students and staff to their current printer resources. In the school's first year of operation, most students purchased a school recommended laptop for classroom learning and study. But even in a short time, I.T. has seen the landscape change and students are bringing their own notebooks to school. Sensitive to their diverse student body, the school only recommends a laptop model, but students can purchase the laptop of their choice for studies. This presents a growing



PRINTERON CASE STUDY JSerra High School

support need and challenge for I.T. to widen the footprint for printer access options for all students at the school, regardless of laptop model or brand.

"The students need full access to load any software they want as we don't want to restrict the students", said Relatores. The school needs to allow for the diversity of laptops on campus and the fact that not all students have access to printer drivers. It can be difficult and time consuming to find, locate and load the correct printer drivers. In addition, not only do the students want to print while at school, they also want to be able to print documents from home. "We needed a printing solution that was driverless and that students could access from anywhere at school or even from home", Relatores continued.

The Solution

Remote and driverless laptop printing

With the introduction of PrinterOn's campus printing services, students can now print wired or wirelessly from any laptop or PC with secured, controlled Internet printing. A customized Web printing portal allows students and staff to print documents and Web content securely from their Internet-enabled notebooks. All print data remains securely within the confines of the school's Web firewall.

The school hosts the printing service themselves. The printing system is integrated into the school's LDAP system and users of the printing system first authenticate themselves through the systems before they print. This gives I.T more control over the student printing process, identifies who is printing and to what printer, and traffic to the printers can be easily monitored. "Abusers of the system can be identified and even barred from printing in the future through the print management controls available using the printing system, which is a giant step forward for us," boasts Relatores.

The PrinterOn Benefits for JSerra High School

Convenient driverless printing and less waste

The new driverless printing system eliminated the concern over print drivers. "Now we never have to be concerned with installing print drivers and helping students install them", said Relatores. And remote-printing options reduced queues for printing at the library. "The new system helps eliminate long line-ups at the library PCs, and it saves the staff and students time by printing and processing jobs more efficiently", Relatores comments.

"One big advantage we see is wireless notebook printing which is a new resource we can offer to the students", Relatores continued. Students can print from anywhere at school and then pick up their printed documents at their convenience. In keeping with the print-less initiative, print controls at the administrative level allow I.T. to limit the number of pages printed at one time, which they have set at ten pages. In a further step to prevent abuse of printing privileges, the PrinterOn system was customized for the school adding a cover page for easy identification of ownership of a printed document. This enables library staff to quickly identify those who do not pick up their documents.

With the prevalence and ever-growing use of student laptops, JSHS is well positioned to fill its present and future printing needs. "Printing is certainly an essential need for every student; and is something that most students will do several times a day. Introducing PrinterOn's campus printing solution enables the students to carry out their school work in a highly mobile fashion," concludes Relatores.

Location: San Juan Capistrano, CA
Founded: 2003
Type of Organization: High School
Customer Profile: JSerra High School
Web site: <http://www.jserra.org>

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PrinterOn Corporation specializes in driverless and wireless campus printing solutions, including libraries. A customized Web-Portal allows students and staff to print documents and Web content securely from their Internet-enabled notebooks or Desktop PCs. PrinterOn's printing services are inexpensive to implement and no special printers, equipment, or I.T. resources are required. The driverless print server can be hosted on campus or hosted by PrinterOn. PrinterOn, a privately owned company based in Kitchener, Ontario, has been delivering award-winning document handling solutions for 20 years. For more information visit PrinterOn online at <http://www.printeron.net>