

# Security for the Education Industry

## Protect Students and School Resources from Harm

School network administrators have ever-increasing threats to combat, both from internal and external sources. The enormous popularity of Web 2.0 applications, the potential for data leaks, and the emergence of cyber-bullying have intensified the need for next-generation tools that can handle the harsh reality of today's security landscape.

WatchGuard® education solutions allow individual schools and districts to efficiently and comprehensively implement a wide-ranging network security strategy to keep students safe. We offer affordable products that are simple to deploy and maintain, help ensure compliance standards are met, and easily scale to accommodate growth.

## Web 2.0 Is a Serious Threat

Students are flocking to social networking and other Web 2.0-enabled sites to exchange personal info, chat, play games, share files, and more. These applications are notoriously unsecure and frequently used as launch pads for phishing and other social engineering scams – yet there are real educational benefits in allowing some types of Web 2.0 access.

WatchGuard XTM firewall solutions with Application Control enable school network administrators to establish which applications can be used within the network, by whom, and when.

For example, IT might allow YouTube access from 10:00 to 11:00 am for a multimedia class, permit teachers and staff to use instant messaging but disallow IM file transfers, always block Facebook and games, but let students collaborate on Google Wave.

All of this is managed from an easy-to-use centralized console that organizes applications by categories and subcategories for simple setup and quick configuration changes as policies are refined. WatchGuard makes it possible to achieve the critical balance between network access for educational purposes and the responsibility to stop inappropriate and dangerous web content. Download our Application Control white paper at [www.watchguard.com/apc](http://www.watchguard.com/apc).

## Stop Cyber-Bullying in Its Tracks!

Keep cyber-bullying off your school network, with the powerful content analysis capabilities of the WatchGuard XCS solution. XCS technology allows schools to define what is acceptable in the content of all outgoing email and web communications to block inappropriate or abusive messages.

XCS deep content inspection goes way beyond the school's internal email system, analyzing outbound communications attempting to leave the network via instant messaging services, blogs, popmail accounts such as Hotmail or Gmail, and social networking communities like the hugely popular Facebook site.

WatchGuard is committed to delivering the tools needed to put an end to online harassment. Visit [www.watchguard.com/xcs](http://www.watchguard.com/xcs) to learn more.

WatchGuard offers a discount to all qualifying education institutions through its schoolmate™ program. Go to [www.watchguard.com/schoolmate](http://www.watchguard.com/schoolmate) for details.

## Securing the Network

WatchGuard education solutions provide a level of security and flexibility that allows schools to offer Internet access and network connectivity in a safe and controlled environment, while protecting confidential data.

- **Easy to deploy and manage**  
All WatchGuard solutions come with a suite of centralized management tools that provide flexible and fine-grained network control. Monitoring and reporting tools are included at no additional costs.
- **Customizable and scalable**  
As student populations grow and the network expands, WatchGuard solutions allow you to keep pace with performance and capacity requirements, as well as add new layers of security to boost protection in critical attack areas.
- **Expert guidance and support**  
WatchGuard products are backed by a team of security experts that help schools and school districts better manage their security. Our LiveSecurity® Service provides rapid response technical support, hardware warranty, software updates so code is always up to date, and up-to-the-minute threat alerts.

**"WatchGuard has proven to be very reliable... The devices are rock solid and that's why we've stayed with WatchGuard all these years."**

- David Young  
IT Manager  
Brighton Grammar School  
Melbourne





## Data Loss Prevention

Student names, addresses, mode of transportation to school, and social security numbers are the everyday data of education institutions. The loss of any of this highly confidential information can have devastating consequences.

Handling sensitive data-in-motion properly on a school network requires robust data loss prevention (DLP) tools.

Every WatchGuard XCS solution includes next-generation DLP technology that enables tight policy management, while automating monitoring and remediation actions.

- **Efficiently set policies** on the data that is allowed to cross network boundaries, using pre-defined dictionaries that are easily customized per school standards.
- **Comprehensively monitor all web and email traffic** – including what is being sent, to whom, and where – to ensure outgoing communications are in strict accord with school policies. This includes scanning attachments and embedded URLs.
- **Define the action to be taken** when a potential violation is identified. Options include block, allow, blind copy, quarantine, and encrypt.

Learn more about protecting data-in-motion on your school network at [www.watchguard.com/dlp](http://www.watchguard.com/dlp).

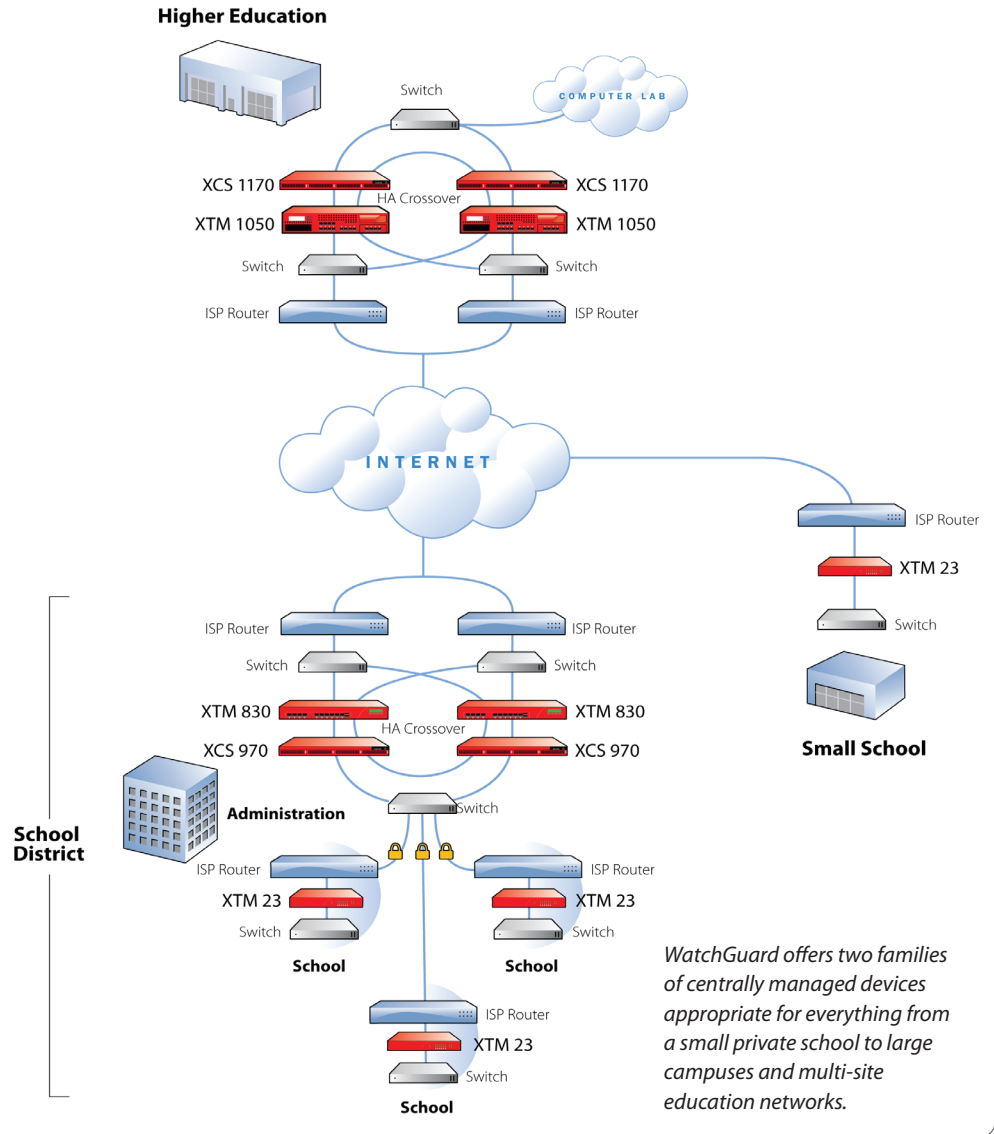
## Safe Search Enforcement

WatchGuard XTM firewalls have built-in Safe Search enforcement. This feature overrides personal browser settings, making safe web searching on your network a school policy rather than the student's choice.

- Filters out objectionable content, both images and text
- Works with any browser
- Enforces safe searching via all major search engines - Google, Bing, Yahoo, and more
- Even filters YouTube searches – something other search filtering tools cannot do!

WatchGuard Safe Search makes CIPA compliance easier to achieve and maintain by keeping inappropriate content off-limits over your school network.

## Sample Education Network Configurations



WatchGuard offers two families of centrally managed devices appropriate for everything from a small private school to large campuses and multi-site education networks.



Product of the Year – XCS370  
CRN 2010



5 Star Review for XCS 770  
SC Magazine



Unified Threat Management  
2010 Solution of the Year

**“We highly recommend them [WatchGuard] to any school district that wants to get a handle on its security problems and prevent unauthorized intrusions, whether from outside or inside the network.”**

- Wilson Chan, Manager of Information Systems  
Durham District, Ontario

For more information on WatchGuard XTM and XCS solutions, visit [www.watchguard.com](http://www.watchguard.com), contact your reseller, or call one of the numbers below.

Address: 505 Fifth Avenue South, Suite 500, Seattle, WA 98104 • Web: [www.watchguard.com](http://www.watchguard.com) • U.S. Sales: 1.800.734.9905 • International Sales: +1.206.613.0895

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