Building a smarter classroom

IBM

Highlights

- Instrumented—open education resources and tools for personalized learning
- Interconnected—thin clients and hosted desktops to replace traditional classroom technology
- Intelligent—data analytics to increase insights into student performance
- Dynamic—cloud computing infrastructure for virtual resources and services

Foster the next generation of leaders with innovation

When evaluating the role of technology in the classroom many questions arise. How can we create a more flexible learning process that responds to students' individual needs? How can we use technology to develop skills for tomorrow's workers and leaders? How can we afford to maintain an aging, inflexible infrastructure? Our resources are limited, where can we begin to extend our investment? At IBM, we believe learning can be delivered smarter by becoming more instrumented, interconnected and intelligent to help improve quality and access to educational resources, while helping to lower costs.

Extending the traditional classroom

By shifting traditional classroom technology expenditures from costly, high-maintenance personal computers (PCs) and proprietary licensed software, your institution can begin to work smarter. IBM extends the traditional classroom to support "any device" learning—whether provided by you or by the students themselves. Virtual desktop services allow mobile devices and thin clients to receive learning content and tools from a centralized, efficiently managed infrastructure.

Focus on learning, not operations

With the savings from lower infrastructure costs, your institution can focus more resources on improving learning outcomes. Teachers and faculty can personalize their students' educational experiences by aligning individualized learning content to performance standards and specific needs. Dashboards allow your staff to uncover new insights and intelligence about performance trends, deficiencies and teaching strategies.

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The technology behind the solution

We can help you build a smarter classroom with:

- Classrooms, labs and mobile access built around desktop cloud services.
- Thin clients and mobile devices allow students, teachers and faculty to access services easily using the devices of their choosing.
- Virtualized computer resources of legacy and open source applications, and services to lower costs.
- Open source learning resources for interoperability and personalization.
- Student and teacher ePortfolios to create personal, lifelong digital academic records.
- Virtualized cloud services to centrally support a distributed set of campuses and classrooms.
- Business intelligence for insights into student performance.
- An integrated portal providing consolidated access to applications and content.
- Network services with high-speed connectivity between devices and servers.
- Web services from IBM and other partners to extend collaboration and productivity.
- Hosting services to simplify your technology environment.

Take the complexity out of classroom technology

From primary schools to universities, smarter classrooms can help personalize learning and improve outcomes with cloud-based delivery services of desktops, open accessible educational resources, and student performance analytics. The smarter classroom of the future can happen today—and IBM can help get you there.

For more information

To learn more about building a smarter classroom please contact your IBM marketing representative or IBM Business Partner, or visit:
ibm.com/education

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