



## The Anatomy of a Smart Classroom

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The modern classroom is quickly moving from blackboards and notebooks to smart boards and tablets. As workplaces become increasingly tech-oriented, classrooms and curriculum are following suit to prepare their students. Today, students are likely to find themselves in a "smart classroom" that utilizes technology alongside traditional learning activities for a well-rounded education. Keep reading to discover what smart classrooms can look like and how they benefit students and teachers alike.

#### What's in a Smart Classroom?

The smart classroom has more than just computers for the students. The smart classroom weaves technology into most classroom subjects and activities. This begins with a large selection of computers, potentially one for each student depending on the age and needs of the class. This is known as a [1:1 solution](#). Smart, interactive whiteboards are beginning to replace overhead projector and chalkboard. Online media, including classroom blogs, video channels and even simple Google searches are becoming mainstream in the classroom. Students may use online study tools on mobile devices, take notes on tablets and access real-time information online while doing projects. Some classrooms are even incorporating [wearable devices](#) to track things like attendance, activity and sleep.

#### How Do Smart Classrooms Benefits Students and Teachers?

Traditional education has done the job for decades, so why is a smart classroom needed? Consider these benefits:

- Communicating with students on media they use in daily life
- Preparing students for a tech-savvy world

- Facilitating nearly instant communication between teachers, students, parents, and administration
- Creating a better learning environment with increased retention
- Freeing teachers' time to spend actively instructing rather than managing paperwork and files
- Providing real-time information for student and teacher research
- Facilitating communication across geographic barriers to allow for a multicultural influence and access to resources that are located at a distance

With these benefits, it's easy for teachers and administrators to see why the investment in smart classroom technology makes sense.

### How Does the Smart Classroom Function?

The smart classroom does more than simply contain technology. It utilizes that technology for more meaningful learning experiences.

A classroom with a smart whiteboard and projector may have an “author talk” with the actual author of a book they are reading by connecting via video chat. Students may have the opportunity to have virtual pen pals that they email and video chat with in another part of the country. Students may prepare projects for display on tablet or projector screen, rather than using paper materials. Interactive monitors allow students to perform virtual experiments in the classroom as they learn important science topics. Teachers use the technology to keep parents and administration aware of what is happening in the classroom, including grades and upcoming assignments.

### Why Should Our District “Smarten Up” Our Classrooms?

The digital economy is growing rapidly, and our increasing reliance on technology will require students and teachers to be well versed in digital technologies and able to adapt to ever-changing technology. A 1:1 learning environment creates a foundational skill set for students and facilitates the attitude of lifetime learning and curiosity required to succeed in a technologically advanced world.

Troxell's comprehensive and integrated 1:1 Learning Suite solution enables you to empower your students' and teachers' technological journey. It features a range of devices, peripherals, management platforms, and applications, as well as flexible financing options, configuration services, and more. We can even help your district do a test run to ensure that everything checks out.

While the smart classroom may look different from one school to the next, one thing is universal: Technology is here to stay in the modern classroom, and as a result, both students and teachers are benefiting.

Troxell is the nation's leading end-to-end solution provider for technology and collaborative solutions in K-12 and higher ed. With 65 offices nationwide, we combine large-scale purchasing power with the high-touch, consultative approach of a local specialist. [Find a location](#) near you or call 1-855-TROXELL to learn more about how technology could make your classrooms smarter.