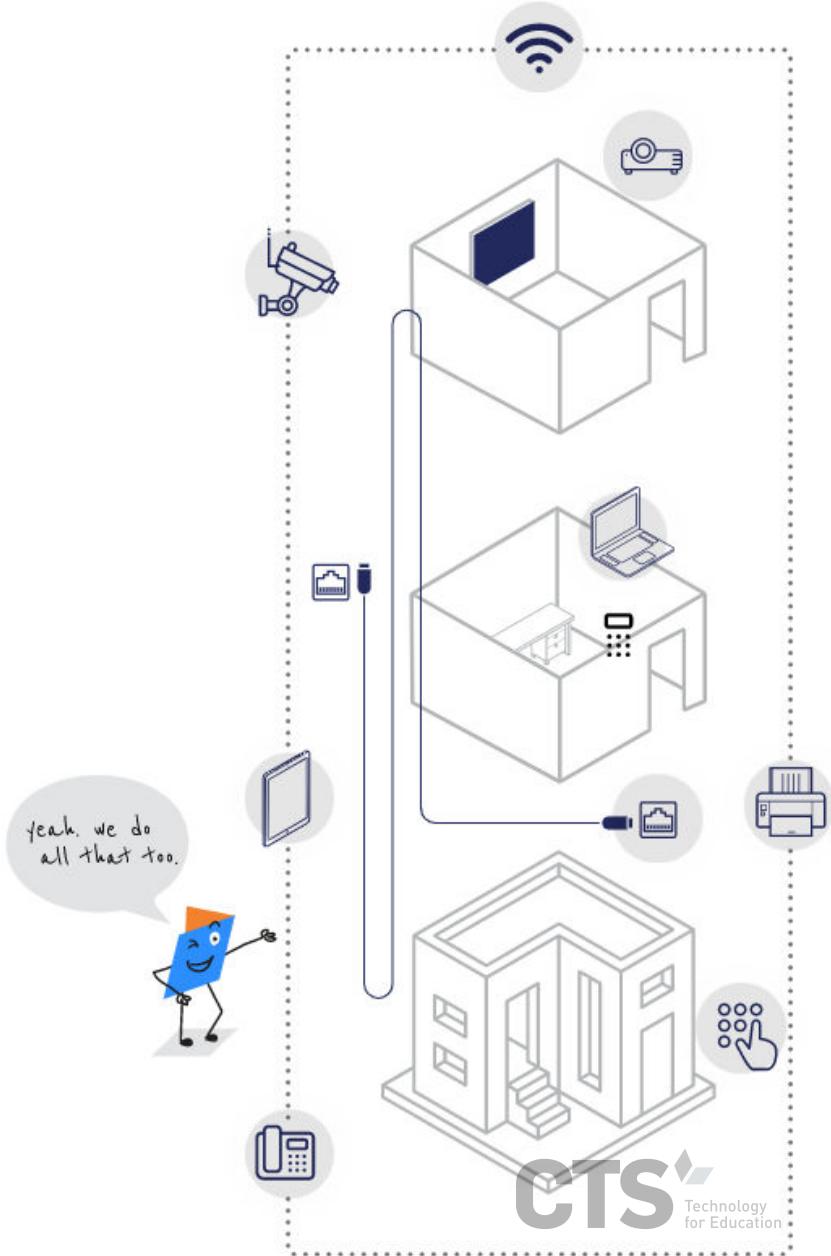


SCHOOL DESIGN

TECHNOLOGY FOR VISIONARIES



BUILD, EXPAND, OR RELOCATE A SCHOOL

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You've obtained funding for a new facility. Normally, the next step is talking to developers and building your wish list for what the building needs. Almost immediately, the conversation gets technical, and you assign your internal technologist to address it.

Why not engage a crew that value-engineers the facility to serve the school mission and instructional goals? CTS understands ensures you have the right inputs at the start and provides ongoing support, so that all the parts work together sustainably and cost-effectively. That beats costly remediation and later re-engineering.

CALL IN A HERO.

We take on any aspect of educational technology—anywhere, any time. It's all in our toolbelt.



WHY CTS?

CTS employs school teachers with deep experience managing school and classroom systems over decades. We know how schools work and how to set up systems so they grow with you instead of routinely re-engineering. That's a backdrop you don't get by parsing out objectives to developers, internal tech people, and non-education focused IT firms.

INFRASTRUCTURE ELEMENTS



Core Networks and Wi-Fi

Your organization demands throughput—fast, robust, and reliable internet access from every corner. Our networks are powered by sophisticated, high-quality technology that's still simple to operate. Leveraging technologies from industry leaders like Cisco and SonicWall, CTS has built cost-effective, scalable networks for dozens of clients. Partner with us to build yours.

Low voltage wiring

It's just wired, right? How many do you really need? It seems simple—but have you discussed stub-ups? Connectivity across floors? Types of wiring? Work with a vendor who prioritizes finding the right solution for you—not their profit margins—and experience the CTS difference.

Classroom A/V systems

We've equipped over 1000 classrooms with the tools for success. Talk to us about the right AV solution for your organization—whether it's overhead projection, ultra-short-throw, or the latest interactive flat panels. CTS offers installation, IT support, and professional development services to help you maximize your solutions—and make your students smile.

Large venue (gyms, cafeterias, board rooms) A/V systems

Your gym was built for sports, your cafeteria was built for dining, and your classroom was built for teaching. But they can all do more with the right tech. Finding those solutions can be overwhelming—what size screen does a 200ft long gym need? How many lumens should the projector emit for compelling presentations and fun-filled movie nights? We handle the logistics and ensure that every detail is attended to—at the lowest cost possible.

Cost-effective Digital Signage solutions

Spread your message across your organization with reliable, impactful, and affordable digital signage solutions that are easy to install, maintain, and create content for. Remarkably priced, you'll be amazed at the power big-screen TVs can bring to your school.

Security Cameras

Security cameras are essential to your school's basic security. Partner with CTS and ensure that every angle is covered, that all footage is saved for as long as you need it, and that your systems are accessible from any location—and any device.

VoIP Telephone Systems

Today's VoIP systems can do so much more than just phone calls. From public announcements to school bells to video conferencing—VoIP systems are a productivity tool like never before. Whether you seek low-cost, on-premise solutions or easy-to-use cloud platforms, CTS can help.

Laptops and Desktops

Mac, PC, or Chromebook? Which applications are currently used by your staff, and what type of device would they work better with? How do you find the right balance between function and budget? These are questions you don't need to answer alone. CTS works with you to make the right choices for your organization—and secure the best deals on the devices you need.

Public Announcement and bell systems

A good PA system ensures you can reach everyone in your facility at a moment's notice. Make service announcements across floors, be heard clearly at Public Assembly spaces, centralize bells across systems—and even play classical music during period transitions. With CTS it's more than a fantasy—it's a reality.

Synchronized clocks

With CTS, you can stop dreading Daylight Savings Time. Keep clocks across your school synchronized throughout the year, without having to climb up a ladder to update them when the time changes. CTS deploys clocks throughout your facility that stay in harmonious lockstep—maintained automatically through the network, and without the need for expensive new wiring.



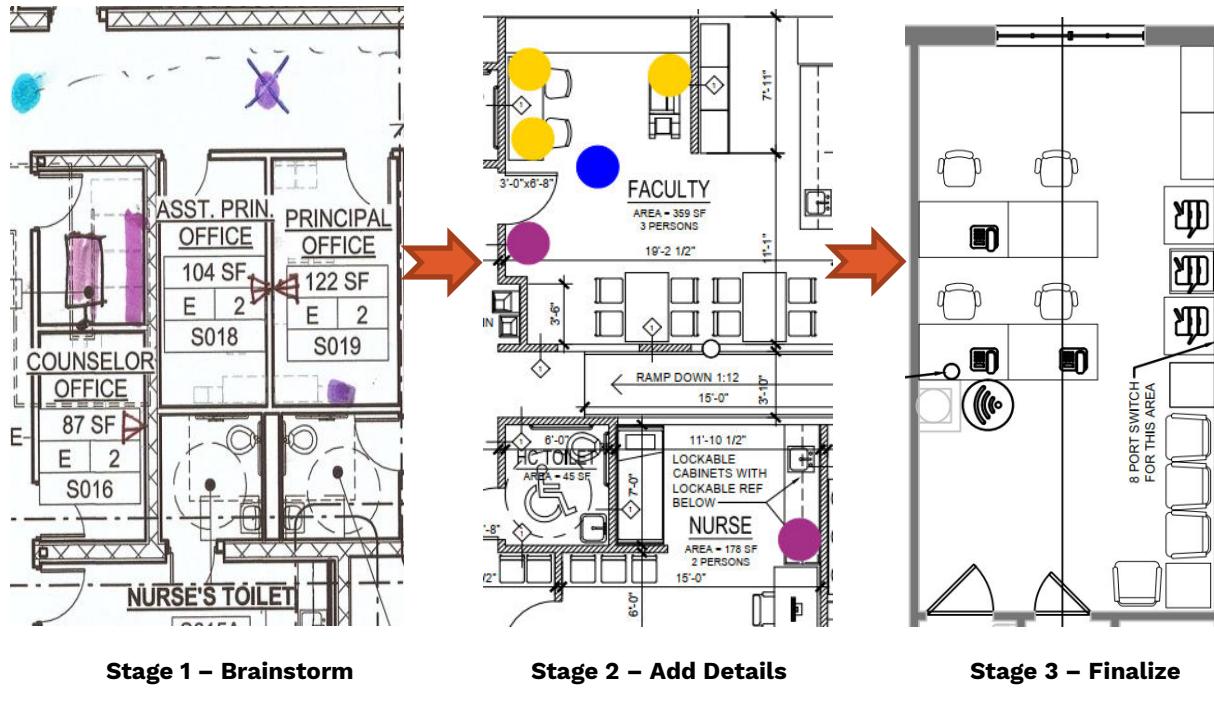
Introduction and Value Proposition

Choosing a home is one of the most important and difficult things people have to do in life. This is even more true for schools. How your school is designed will inform your instructional priorities, capabilities and constraints for a generation of scholars. CTS has worked with dozens of school leaders to bring their vision to life with comprehensive, future proof and value engineered IT, AV and Security solutions.

CTS will engage with key personnel on your Facility Design team to form an iterative, consultative process which will holistically capture all technology needs for instructional, special programming and safety goals in design drawings. The proper coordination of design activities will avoid any construction cost overruns and deliver peace of mind that the facility will meet your long-term needs.

CTS School Design Process

To provide for the optimal IT design outcomes, CTS engages with you in a multi-stage, iterative and Agile design process. At each stage CTS will create documents that move the conversation forward, hone the IT systems design specifications and provide an increasing level of detail and specifications.



Stage 1 – Brainstorm

A senior CTS solution design specialist will meet with your decision makers and begin to record their vision for the facility and the intended instructional uses of each space. The requirements are captured by recording desired locations for wiring and equipment.

Stage 2 – Adding Details

Details gathered at Stage 1 get transferred to an easy to edit design plan, where you will be able to review and modify any aspect of the IT systems. At this stage additional non-instructional details get added such as security cameras, PA system components and Wi-Fi locations.

Stage 3 – Finalized Design Document

When you are completely satisfied with the plans formed in Stage 2, CTS will get to work on your final design documents using our unique dual purpose design document which not only provides the necessary details for General Contractors and Low Voltage specialists to accurately set up the facility but also provides detailed usage specifications to you detailing what the intended use of each space will be. To them – it is just a jack on the wall at 18 inches “above finished floor”. But to you, it’s the printer for your main administrative office. We make sure everyone has what they need.

Wi-Fi Planning

We understand the importance of world class, high capacity wireless networks. We also understand schools having access to limited resources. That is why CTS uses industry leading tools from [Ekahau](#) to perform a thorough analysis of your building plans to understand exactly what is needed and where.



Security Planning

Nothing is more sacred than the safety of your staff and students. That is why CTS will work to document and map the security system components such as cameras, door controls and intercoms.

