

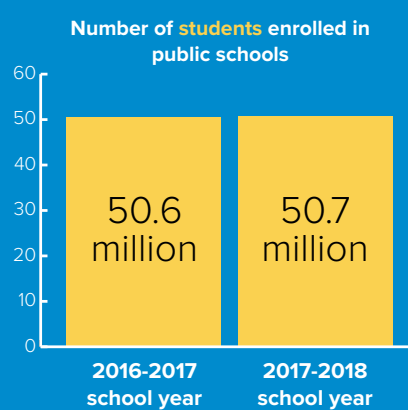
TRENDS IN EDUCATION

2018
THE FUTURE STARTS NOW

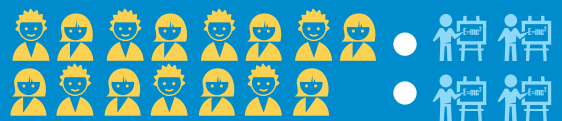


Classrooms and learning environments are becoming more technology-centric, which is having a profound effect on the educational experience as a whole. Thanks in large part to technology's influence in the classroom, lecture-based learning environments have given way to collaborative, hands-on experiences that offer richer and deeper learning with greater retention.

More Students, but Fewer Teachers



Student-teacher ratio in public schools in 2007: **15:4**



Student-teacher ratio in public schools in 2017: **16:1**



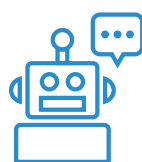
Source: "Fast Facts: Back to School Statistics, 2017," National Center for Education Statistics, <https://nces.ed.gov/fastfacts/display.asp?id=372>

TECHNOLOGY IS HELPING BRIDGE THAT GAP BY EXTENDING TEACHING BEYOND TRADITIONAL BARRIERS, OPENING STUDENTS TO NEW AVENUES OF LEARNING.

5 Trends to Watch



The Maker Movement: Maker environments encourage learning by doing, such as building simple computers or other projects. Students are actively involved in assignments that require them to apply their knowledge and collaborate with other students, fostering teamwork and application of STEAM principles



Coding and Robotics: An important element of STEAM and the maker movement is the emphasis on coding, as students work to develop software and mobile applications. With robotics, students can put their coding skills to the test by creating machines that can perform simple tasks.



Augmented/Virtual Reality: Virtual reality helps bring students closer to their subject matter through complete immersion into an environment. Augmented reality, meanwhile, helps students visualize concepts while firmly rooted in the here and now. Both help make learning more accessible, resulting in deeper learning and greater engagement.



Personalized Learning: The current generation of technologies better enables personalized learning, which addresses each student's learning style and interests through a mix of face-to-face teaching, technology-assisted instruction and collaboration.



Emphasis on Digital Citizenship: Almost all students know how to power up a computer and navigate to a website, but few students are being properly schooled on how to use technology safely and effectively. As cyberthreats such as online predators, malware and identity theft continue to rise, schools must incorporate digital citizenship into their daily curricula.



The Vital Network

Now is the time to ensure your network is robust enough to support the demands of new-generation technologies in education. Partner with a service provider that can provide reliable, flexible connectivity with scalable bandwidth and direct access to major cloud service providers to provide the best applications and services to ensure an optimal educational experience.