Technology is shaping the future both in terms of professionalism, and in terms of education. Education is the backbone of western society, and teaching our youth, and young adults various subjects have changed as time has gone by. In the last 20 years the integration of technology has vastly influenced how teachers educate their learners. Whether it be through something as simple as PowerPoint, which revolutionized how presentations were done in a digital format. As we move into the future there is much more in store for educators.

There are some challenges when it comes to this. The main factor that was addressed, with this article is the access for a variety of technologies when it comes to education. This is true, as if there is less access to certain types of technology that is not accessed by certain educational groups, there is a gap and less learning capabilities in terms of students. Since we want all of our students to have the same access to technology in the modern learning age this is one of the biggest battles, we as future educators and designers have.

There are some solutions. Google, Microsoft, and Apple offer a bunch of Cloud services that are offered at little to no cost to the end user. This is one of the best uses of these services in terms of learning capabilities. When it comes to more advanced technology, like Laptops, or even VR. These are more expensive but can offer a bunch of learning capabilities for learning processes.

As time goes on technology is becoming cheaper to manufacture and production, allowing access to more people. Along with this there are several organizations, which take old, donated PCs from business that get “In-Office Upgrades” and donate them to schools, and households in need. This is good in two regards, recycling old technology that might end up in a landfill, but more importantly students who may not otherwise have access to computers can now use them in school and at home for learning.

Robotics in classrooms is a relatively new concept. To just think that a teacher could one day be a hologram is kind of off the wall, but something that could be a real possibility in the future. Now that is a crazy example of robotics in classrooms, but there are more real current age examples of this. Robotics clubs have become huge in schools. IN the high school where I went, a Robotics Club was started the year after I graduated. And the students went to several events that challenge; the students challenge students to build and program them. Other examples of this can be seen in chemistry when more in-depth examples of chemical make-up are able to be done, allowing for better in person examples involving chemical reactions.

When it comes to students using their own devices in a learning environment, this can have pluses and minuses. Not all students have access to a laptop, or if they do it may not have the capabilities that others may have (i.e. Chromebooks Vs. Mac Vs. HP). Each of these has different capabilities, programs (that may be similar but different enough), and user interfaces that can alter the ways in which students are able to learn and perform their tasks in class, and at home.

Overall, there is a lot to it when it comes to technology in learning, the benefits, and drawbacks make it a hot topic amongst everyone involved in the future of education.