

TECHNOLOGY FOR TEACHING AND LEARNING

by:

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Rapid technological change is raising the stakes. Technology is already playing an important role in assisting teachers, students, and the learning process as a whole (Saavedra, 2019). It can assist teachers in better managing the classroom and providing different challenges to different students. As a result, technology can enable principals, parents, and students to interact seamlessly. The efficient use of technology will benefit all students.

This provides access to learning opportunities for our students as well as professional development opportunities for teachers. Both teachers and students can access content such as teaching materials, explanatory videos, interactive content, stories, practice worksheets, and formative assessments. Technological advancements or technological changes bring about some fundamental and structural changes that have a significant impact on productivity. When used in the classroom, digital media such as handheld devices and computers can support both teaching and learning. Furthermore, course offerings, experiences, and learning materials can be extended online, providing knowledge accessibility 24 hours a day, seven days a week. Overall, technology accelerates learning by encouraging positive student engagement. While this new model of connected systems benefits students, it also transforms teaching. This allows tutors to personalize learning and improve their instruction. The use of open resources and other technology in program delivery increases educational productivity significantly, allowing teachers to better utilize their time.

Students stay connected outside of the classroom by using a variety of devices. This also reflects how well we can use technology in education. One of the most recent

advancements in the digitization and automation of learning in order to fully utilize the benefits of technology in education. The web and social connectivity help a lot, but effective management is what changes the way we learn, what we learn, and how we teach.

Teachers are constantly striving to personalize learning for their students at this time. Knowing to access to information, content, apps, and more, technology can help them reach new heights. Technology can assist teachers in creating blended learning environments and leveraging digital tools for formative and summative assessments, bringing new learning and teaching models to classrooms even if pandemic and face-to-face classes have already begun. If young students can be pre-wired to content and connect virtually with peers across continents, the teacher's role appears to be nearly obliterated. Changes in responsibilities would require the teacher to become more of a guide or mentor. As a result, the students will be able to emotionally connect with the study materials. Finally, it is the collaborative efforts of the student and the teacher that improves educational digitalization. While technology aided the journey, the device made everything possible.

Technology in education and having the right devices in students' hands helps them prepare for the career and technical skills they will need to be successful today and in the future. Relevant learning experiences using modern technology can inspire creativity, assist students in applying meaning to their learning, and prepare them for future career opportunities and jobs that have not yet been created.

We know that learning happens best when instruction is tailored to the needs of the students.

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