

The Benefits of Education Technology in the Classroom

“The real power of interactive technologies is that they let us learn in ways that aren’t otherwise possible or practical.” (Lassner) In the majority of schools, from primary to post-secondary, there has been the integration of the Educational Technology, “Internet” and technological accessories, into the learning experience. These methods have positively influenced classrooms and students globally. The adaptable nature of Education Technology in classrooms benefits students by providing engaging information, virtual learning, varietal resources and inclusive support.

When technology is coordinated into classrooms, students are more subjected to be intrigued by the subjects in their curriculum. Technology provides various opportunities to make learning progressively engaging and enjoyable. Most educators are most likely to use PowerPoint or videos to teach rather than reading from the textbook. In a modern math classroom, students are incorporating technology into the mathematics. Websites like Desmos helps students to visually see and manipulate graphs while encouraging active participation in the learning process, which can be difficult to achieve in the traditional lecture style of teaching. Technology used in education can also be games with aim. Various Elementary schools have adopted the use of computer games to teach hard to grasp repetitive information, such as French vocabulary. With the usage of technology, students are able to better understand their academic curriculum with engaging hands-on learning.

Classroom technology also provides remote learning and the ease of teaching. Education technologies have made teaching quite easier for the educators to connect with students. In most secondary schools, students have the majority of their homework and instructional information online. Students how are absent or gravely ill do not need to fear falling behind drastically as all the resources are accessible online, so they can keep up with their work. In 2020, education technology has also been beneficial outside the physical classroom. Teaching has become popular online and these virtual classrooms allow an instructor to instruct safely, at a distance, to their students residing around the world, when physical presence is almost impossible. Virtual teaching also aid students who are seeking to take additional courses outside of school. Online courses allow students to have access to courses the school they attend does not offer. The progression of virtual learning in classrooms allows students to obtain an education in a convenient way.

Technology provides youth with a variation of visual learning resources. In the classroom, visual diagrams and images has been shown to be very beneficial in helping the students understand and absorb their curriculum. A study done by James Madison University outlined how 40 % of students are visual learners. In this study, it explained that for these learners,

pictures, diagrams, flow charts, timelines, films, and demonstrations, and other presentations to supports the students, helped them receive a higher grade by an average minimum of 15 %. By observation of non-primary visual learners, the study showed that all learners benefit from technology resources as opposed to traditional lecture style learning. With many accessible resources online, educators can incorporate these visual technologies into their classrooms to address students with varied learning styles.

The incorporation of technology caters of individualized instruction to allow inclusive educations. Educational technology has an ability to adjust to students needs. It can also provide students with individualized instruction in classroom to cater to a certain student's needs and level of understanding. For students with intellectual disabilities, it is often difficult for a teacher to individual help the student when they are also managing 29 other students in the same classroom. Historically, these students have been taken out of the classrooms and provided with "alternate learning," which leaves the student feeling frustrated because they are not able to take part in the "normal" curriculum. However, over the last decade, it has been proven numerously that the "normal" way of teaching certainly does not support most students. Technological resources provide students with information and aid to follow the classroom teaching while having that additional support. Individualized learning support through technology enhances a student, especially those with a learning disability or an intellectual disability, potential of succeeding in a class.

Utilizing educational technology in classroom instruction surely benefits students learning. In modern day classroom, there is a combination of educational technology and traditional to provide students with the best outcomes. It provides students with interactive learning, accessible and inclusive resources to aid student in succeeding. It can be argued that technology in classroom can have harmful effects; however only if used improperly, as all the unlimited access to informational can be transformed into knowledge. Suitably utilization of Education Technologies is instruments for the advancement of higher order thinking skills.