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## **ADVANTAGES AND DISADVANTAGES OF THE INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION**

The technological and scientific revolution is one of the defining features of modern human history.

We cannot imagine today's world without the technologies of communication via mobile and cordless phones, tablets, and computers. Educational systems in many countries throughout the world use these technologies for pedagogic purposes, to adapt to the learning processes of the 21st century.

As such, acquaintance with information and communication technologies (ICT) and technology as elements of human culture should be the prerogative and goal of every individual, independent of his or her occupational needs. While ICT and technology are obviously significant from an economic perspective, they also form an integral part of a broad-based liberal education.

It is evident that Education for Technology and the use of ICT in Education must keep up-to-date on developments in different global aspects. In light of the fact that a modern technological society is subject to rapid and frequent changes, an essential part of today's general education must enable students to be flexible and adaptable.

However, we can see that there are many education technology solutions provided in the world which may cause confusion among educators about how to choose the right ICT solution. Let's have a look at the advantages and disadvantages of ICT tools for education and discover what kind of education ICT solution is suitable for school needs.

To our mind, 3 main advantages of ICT tools for education are:

1. Through ICT, images can easily be used in teaching and improving the retentive memory of students.
2. Through ICT, teachers can easily explain complex instructions and ensure students' comprehension.
3. Through ICT, teachers are able to create interactive classes and make the lessons more enjoyable, which could improve student attendance and concentration.

3 main disadvantages of ICT tools for education are:

1. Setting up the devices can be very troublesome.
2. Too expensive to afford.
3. Hard for teachers to use with a lack of experience using ICT tools.

In spite of some problems, information and communication technologies can contribute to universal access to education, equity in education, the delivery of quality learning and teaching, teachers' professional development and more efficient education management, governance and administration.

### **Literature**

1. An Effective use of ICT for Education and Learning by Drawing on Worldwide Knowledge, Research, and Experience: ICT as a change agent for education [Електронний ресурс]. – Режим доступу : <http://www.nyu.edu/classes/keeper/waoe/amins.pdf>
2. ICT in Education [Електронний ресурс]. – Режим доступу : <http://www.unesco.org/new/en/unesco/themes/icts/>
3. Information and communication technology (ICT) in education in Asia [Електронний ресурс]. – Режим доступу : <http://www.uis.unesco.org/Communication/Documents/ICT-asia-en.pdf>
4. Use of Information and Communications Technology (ICT) in Education [Електронний ресурс]. – Режим доступу : [http://download.ei-ie.org/docs/webdepot/ei\\_ict\\_principles.pdf](http://download.ei-ie.org/docs/webdepot/ei_ict_principles.pdf)