

WHAT MAKES ICT IN TEACHING IMPORTANT?

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ICTs (Information and Communication Technologies) affect every aspect of human life especially during this challenging time where in person learning is limited. They hold prominent positions in the workplace, industry, education, and entertainment. Besides that, many people see ICT as a change agent, capable of improving working conditions, information processing and exchange, teaching methods, learning strategies, scientific research, and access to information and communication technologies. The use of ICT across classrooms is critical in this digital age of educational institutions to allow students to learn and apply the skills they will need in the twenty-first century.

The United Nations Educational, Scientific, and Cultural Organization (UNESCO) believes that when teachers are digitally literate and understand how to integrate ICT into the curriculum, it can have a global impact on student learning. Computer technologies and other aspects of digital culture have altered how people live, work, play, and learn, influencing the construction and distribution of knowledge and power worldwide. Graduates who are unfamiliar with digital culture are falling behind in the national and global economy. The skills of searching for, discerning, and producing information, as well as the critical use of new media for full participation in society, have thus become an important consideration for curriculum frameworks.

Digital literacy is being built in many countries through the integration of ICT into schools. With technological advancements, the globalization movement necessitates a competitive, creative energy commodity in all walks of life. The science curriculum is taught here as a subject that can help students improve their creative thinking skills. It

enables the teacher at any stage of an educational program to view his teaching as appealing and to learn for the learners. An educational institution is the most important place to nurture students' creative talents and abilities, as well as a critical tool for developing students' creative minds.

The Philippine Constitution requires all citizens to support the right to take appropriate action to ensure that education is accessible to all, so the Department of Education is working to transform education through the DepEd Computerization Program (DCP). Its goal is to equip public schools with the right technologies to improve the teaching-learning process and meet 21st-century challenges. These strategies can help students develop higher-level thinking skills, offer unique and creative ways for them to express what they have learned, and better prepare them to deal with the ongoing technological change in society and the workplace when teachers are digitally literate and trained to use ICT.

Therefore, in order to improve their ability to use ICT for integral approach, individual training, access to online resources, and to promote student interaction and collaboration, teachers need to have access to certain career development opportunities.

Furthermore, education at the core of pandemic requires integration of ICT - based instruction because it will revitalize schools to make them dynamic, collaborative, and innovative learning institutions where students can become more motivated and inquisitive.

References:

UNESCO (2019). Information and Communication Technology (ICT) in Education. LeadingPortal, Brief 4, <http://doi.org/ieep.unesco>