TECHNOLOGICAL LITERACY: IT’S IMPACT TO EDUCATIONAL SYSTEM

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According to Hasse and Wallace, technological literacy is the learnt ability to gain and combine technical know-how together with other forms of social and cultural understanding to identify and qualify opportunities for the deployment, use and application of new and disruptive technologies within a professional context.

A technologically literate person understands the significance of technology in everyday life and the way in which it shapes the world.

In countries around the world with a strong programme on technology education, they feel that technological thinking is a matter for the youth. The technological culture must permeate the life of the youth that they seek technological excellence for the advancement and for the survival of their country.

So important is technology in education that the continuum of technology education starts right from pre-school and goes all the way to college. At the elementary level, children are taught to investigate how things work and find solutions to problems. At the high school level, technological subjects are taught to enable the students to select which careers to choose. At the university level students specialize in the technology for their career.

It is the contention of proponents of technology education that education is not balanced and well-rounded unless it relates to the technological world. Without such relation it is “like a book with missing pages.”
The curriculum calls for new skills requirement and skills formation. It becomes more relevant when applied to daily life. There will be hands-on and brains-on exercises.

The transformation from technology literacy to technology capacity can be encouraged by letting students treat, experience and appreciate technologies in their homes or schools.

Technological exercises would be appreciated even more if students earn. Their efforts in technology education would also be more relevant if they focus on the needs of their communities and of course, their country’s economy.

References:

Hasse & Wallace, “Towards a Reconsideration of Technological Literacy”. Retrieved from https://technucation.dk>concepts> technological literacy