

Some Mathematics And Technology Issues Around The World

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In this talk, we will identify some critical issues that educators have concerned in the East and the West. We shall address some possible solutions to the problems. Although there will be a long discussion and debate as to how much math contents we prefer a future math teacher to possess before he/she starts teaching. It is clear that educators would prefer to see future math teachers to learn as much math as possible but how do we achieve such goal? Could innovative use of technological tools provide some possible solution? On the other hand, we shall see some mathematics reforms toward more technology based have taken place in many countries, especially, in the Asian Pacific regions, where students often do well in international math competitions. Where is the room for incorporating technological tools in mathematics curriculum in such case? In short, we can come to the following consensus for mathematics curriculum in general:

- a) We shall see more technology to be integrated in a mathematics curriculum to enhance learners' learning horizon.
- b) We should motivate a learner to appreciate mathematics as early as possible is an important task.
- c) It is important to keep a learner be interested in discovering more mathematics.
- d) Innovative use of technology shall make mathematics accessible to more and challenging to some.