STEM

by:
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The Science and Technology, Engineering and Mathematics (STEM) program in all agencies government, non-government agencies or private sectors invest and support the programs of STEM education. Each agencies maintain and allocate fund and important assist to be used like the laboratories, research, facilities and employ, knowledgeable teachers, researchers and engineers. Thus aimed STEM literate population with the assurance of high qualified workplace in agency related field.

Here in the Philippine Secondary schools, they support all levels of learners, all learning environment for pre-school, K-12 2 to 4 years in college together with the vocational learning environment such as TESDA. Different programs and investment are designed to provide learning resource to the general public which include the websites. Television, radio programs, museum exhibits and video presentations and so on.

The STEM Education enables the preparation of qualified teachers and the under graduate faculty with the assurance of continuing professional development for the enhancement of the teacher recruitment and retention. Development of instructional materials, learning resources which could be integrated into curricula like videos, assignment, activity ideas and computer visualization and platforms for building and delivery interactions on line course and learning objects. Moreover, training and retaining to match workplace skills in the rapid changing of global economy. Also, supports the students in discipline related mission by granting scholarship, fellowship, research experience in agency grants and other related programs. Research and development help to understand STEM learning and instructional strategies learning in formal environment to improve professional development of teachers/ faculty thru broadening participate education efforts. Data collections, initiatives programs evaluation. Furthermore,
Public is a life-long learning projects that includes publications, websites, video simulation, television programs, museum exhibits and public events.

The STEM milestones are to improve STEM instruction as such as possible provide the K-12 STEM teachers by 2020 and at the same time support the existing STEM workplace. Also, increase and sustain youth public engagement in STEM that support the youth who have effective authentic STEM experience prior to high school completion. Last, find for workplace suitable for their position as much as possible within the community or accessible by STEM graduates. Prepare additional trainings to upgrade their stem working experience.

References:

Readers digest library of modern knowledge published by readers digest association limited in London.

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