

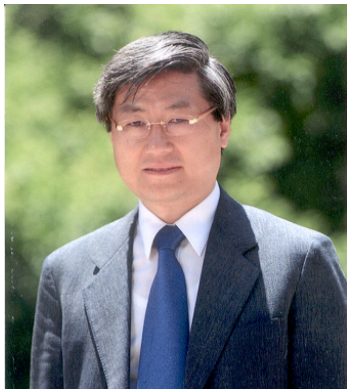
STEAM Education in Korea

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Abstract

In this talk I will introduce the current status of STEAM Education in Korea including the national policies and supporting programs adaptable at school class. We also consider the various programs of KOFAC (Korea Foundation for Advancement of Science and Creativity) which is the main supporting institute in Korea. Here we consider the theory of STEAM Education based on scientific inquiry and functional elements of our brain. As the STEAM Education program I introduce the more familiar model 'hands-on, minds-on and hearts-on' STEAM model and a couple of examples of the model.

Bio



He graduated the Seoul National University and got PhD at KAIST (Korea Advanced Institute of Science and Technology) in 1983. He has been a Professor of Science Education Department at Ewha Womans University since 1985. He was a visiting scholar at Caltech in US, ICRANET in Italy, and Yukawa Institute in Japan. He was the President of KOSSS (Korea School Science Society) and the Chairperson of KPhO (Korean Physics Olympiad Committee).

He is interested in the research on theoretical physics and science education, especially 'science imagination' and 'STEAM Education'. He developed the STEAM education model and various examples supported by KOFAC, Seoul Metropolitan Office of Education, and Gyeonggido Office of Education. Now he is also involved in the management of the STEAM R&E supporting program.