

STEM teacher training program using Micro:bit

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----- **Abstract** -----

This Presentation introduces the progress and results of the online STEM teacher training conducted in May 2023. The collaboration team of KNUE-MUKA could confirmed the need of educational supports using Micro:bit through a school visit in January 2023. We developed a STEM teacher training program using microcontrollers and coding. The contents were referred Integrated Science and Science Laboratory Experiments of the 2022 revised national curriculum of Korea. MUKA kept in touch with schools and provided computer lab facilities. We chose to build a website in order to share the contents. 27 teachers and educators participated in the 3 hour program. The results were productive and satisfactory. And we plan to provide additional support for teachers to apply training experiences to their lessons to improve students' computational thinking skills.

* Website for Micro:bit Teacher Training

<https://sites.google.com/view/unescounitwin-stemedu1>

