

Transformative Learning Videos in the Context of Vlogging: A Participatory Action Research Amidst the COVID-19 Pandemic

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Abstract

Vlog has been the most widely used platform in this COVID-19 pandemic, and it has been shown that Vlogs have a lot to offer, particularly in education. That was why the study's goal was to transform students' typical learning styles in mathematics through this context of Vlogging. In order to achieve these goals of transformative learning, the study employed Participatory Action Research (PAR) as a research design. The purposive sampling with the inclusion criteria was utilized in PAR, composed of six (6) primary and 16 secondary participants. The primary participants, also known as co-researchers, were involved in all phases, whereas the secondary participants were only included as data sources. The PAR study was divided into three (3) phases with iterative cycles in data collection, data analysis, and data interpretation, in which the views and perspectives of the co-researchers were equally treated. The study's results showed that three major themes emerged using the thematic analysis, and these were: (1) Fostering Probability Topics in Grade 8 Mathematics, (2) The Soul of Transformative Mathematics Learning Vlogs, and (3) Encouraging Stakeholders Support. These major themes emerged from significant responses from primary and secondary study participants during data gathering procedures. Thus, the Transformative Mathematics Learning Vlogs (TMLV) were developed, and their essences were beneficial to students who learned the least learned competencies under the Probability content in conformity with their best interests, desires, and the method they believed was best for them. This TMLV was used as a math project for public school students in distance learning. For sustainable development of the TMLV in transforming students' conventional math learning experiences, the involvement of the internal and external stakeholders was highly recommended. Consequently, TMLV was not limited to mathematics but could also be utilized in other disciplines, with or without social class restrictions imposed by pandemics.

Keywords: transformative mathematics learning vlogs, participatory action research, stakeholders support, transformative learning theory, vlogging