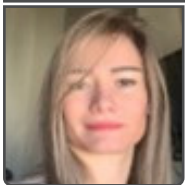


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The Effect Of the Software Test Survey For Students In Developing The Arabic Language Skills Of Third-Grade Students In Qatar.

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This paper studies the effect of implementing a new free Arabic language learning software Test survey For Students (TSFS) developed by the researchers and marketed as brain training software for primary students on language skills using Science, Technology, Arts and Mathematics (STEAM) subjects and metacognitive theory. The teaching of Arabic language via the application of mobile technology takes place for the first time in Qatari schools specifically for primary students. The researchers included a theoretical analysis of current trends in gamification and Arabic language skills. Reading skills, learning word and sentence skills and dictation skills were the three Arabic basic skills tested to measure the effectiveness of developing these skills for third grade students using STEAM subjects and to increase their cognitive achievement. Quantitative data was analyzed using statistical package for social sciences (SPSS). The study concludes that teaching Arabic language skills with STEAM topics using educational software is effective and has a promising potential to be extended to the whole of MENA region.

Biography:

Professor for Didactics of Mathematics at Qatar University, earned my Ph.D. In mathematics education at the University of Southern Mississippi, another PhD in statistics from McGill Canada. My research interest focuses on mathematics teacher learning and professional development. My own experiences as a high school teacher, educational scholar, statistician and mathematician, grounds my work, I become interested in social and cultural factors as well as educational policies and practices that facilitate mathematics engagement, learning, and performance. Theoretically, I draw on ethnomethodology developed by Harold Garfinkel and sociocultural studies of learning in addition to STEM. Methodologically, I conduct quantitative and qualitative research in addition to comparative case studies, using discourse analysis as a tool to understand local meanings