

Designing of an Interactive E-Book in Plain Weave and Macrame Art for Implementation of Hand bags by Using Furoshiki Technique to Develop the Skills of Girls with Hearing Disabilities

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Abstract:

The current research aims to design an interactive e-book on plain weaving and macramé to craft furoshiki handbags to develop the skills of hearing-impaired girls. It also aims to survey the opinions of experts and specialists on the availability of educational and technical standards in the proposed book's design. The research thus contributes to shedding light on hearing-impaired girls and their abilities and skills, which require the provision of appropriate and stimulating educational environments. It also highlights the need to keep pace with technological developments in their learning methods. This is achieved by supporting the principle of continuous learning by employing the interactive e-book as an educational tool aimed at developing their manual skills, enhancing the quality of learning and achieving the principle of educational equity. It also enhances their self-confidence and increases their ability to rely on themselves. The current research followed a descriptive-analytical approach with an applied study in designing the proposed book. A questionnaire was used to survey the opinions of experts and specialists on the design of the interactive e-book and evaluate it according to a list of rigorous educational and technical standards. The results showed that The opinions of experts and specialists regarding the design of the interactive e-book were positive from both the educational and technical perspectives. The study recommended conducting further applied research on the impact of interactive e-books on developing other skills, such as creative thinking and visual perception abilities, among girls with hearing disabilities.

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