

Citation: Amaal Al-Edaini & Rania Deabes (2021), *The effectiveness of a flipped learning based educational unit in acquiring basic clothing finishing techniques knowledge and skills for female technical college trainees*, *International Design Journal*, Vol. 11 No. 1, (January 2021) pp 393-412

The effectiveness of a flipped learning based educational unit in acquiring basic clothing finishing techniques knowledge and skills for female technical college trainees

Amaal Homood Odah Al-Edaini

Master in Clothing & Textile Department (Manufacture of clothes), Trainer, Department of Clothes Technology, Technical College for Girls, Technical and Vocational Training Corporation, Jeddah, KSA, mtamaal2@gmail.com

Prof. Rania Mostafa Kamel Deabes

Professor, Fashion & Textile Department (Clothing Manufacturing), Faculty of Human sciences and designs, King Abdulaziz University, Rdebes@kau.edu.sa

Abstract:

This research aims to achieve the following: build a proposed educational unit based on Flipped Learning to acquire basic knowledge and skills of garment finishing techniques. In addition, measuring the effectiveness of the proposed educational unit in providing the trainees with basic knowledge and skills, as well as measuring the attitude of trainees towards the proposed educational unit that based on Flipped Learning. Moreover, the research aims to provide a suggested learning environment (flipped classroom environment) as one of the rotating learning models which considered a type of the flipped learning strategy. **The research used the descriptive and experimental method** due to its relevance to achieving goals and verifying its hypotheses. The research sample consisted of (21) trainees from the Department of Garment and Textile Technology-Level Two, at the Technical College for Girls in Jeddah that affiliated to the General Organization for Technical and Vocational Training (TVTC) in the Kingdom of Saudi Arabia, for the academic year (1438 - 1439). A single group system was used (Pre and Post) method. **Objective:** The research aimed at achieving the following: -Building a learning unit based on Flipped Learning to acquire basic knowledge and skills (for the course of garment finishing techniques. -Measuring the effectiveness of the educational unit based on Flipped Learning in acquiring basic knowledge and skills for garment finishing techniques. -Measuring the attitude towards the Flipped Learning after the participation. -Improving the performance of trainees using modern learning strategies. **Hypotheses :** - There are statistically significant differences between the average scores of female trainees before and after the participation in; The cognitive achievement in favor of the post participation The skill performance in favor of the post participation. The proposed educational unit in favor of the post participation.

Keywords

Educational Unit
Flipped Learning
Garment Finishing
Techniques.

Paper History:

Paper received 28th of September 2020, accepted 9th of November 2020, Published 1st of January 2021