

Innovative Implementation of E-learning System in MATH Classrooms for Deaf and Hard of Hearing in Academic Institutions in Kuwait

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SK

We Make Powerful Change



More Expates and more unempolyed Citizens.

- Expateriates Occupy 73 % of Professions.
- Whereas Kuwaiti Citizen Occupy 33 % there is economic inflation.
- We hv to add deaf woman percentage 30-35% (MOE, 2017) in KWt.
- We expect to push the percent up to 20 % for disability and promote Deaf women in the local market place.

Emergence of my Research Ideas about Deaf and Hard of Hearing Integration & Autonomy

Title: Social integration of the hearing impaired
subject
Educational issues and clinical beacons / 2008.

Author: Grégory Goasmat (French Book)

Keywords: Deaf Individual, Historical Background
in Europe.

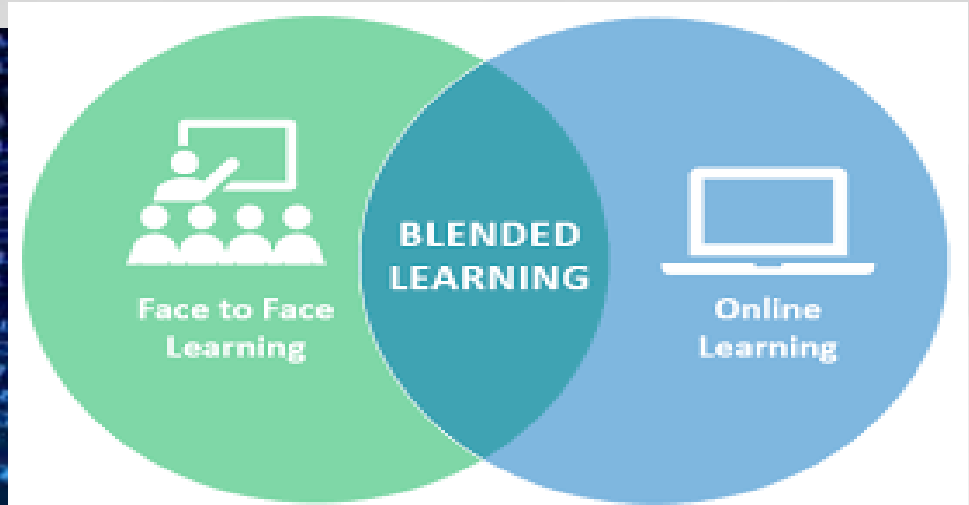
Grégory GOASMAT

L'intégration sociale
du sujet déficient auditif

*Enjeux éducatifs
et balises cliniques*

Le travail du social

BackGround: Why Implementation of E-Learning in Math Sessions ? **DEAF TRANSFORMATION**



- **Potentially of EL:** E-learning is **growing technology** becoming a **significant element of worldwide education** (*Rhema, 2013, CNN, 2011, Hewitt, J. (2002).*)
- **Modern High-Tech Practices: Meaningful engagement of mathematics** in Academic realm, **Transform Deaf and hard of hearing learners** *Faisal, M.H., AlAmeeri, A.W., Alsumait, A.A., (2015). Sarrab, M, Elbasir, M, Alnaeli, S.(2016), (T11), Udupi, Malali , Noronha, H.*
- **Information and communication technology** is considered as a “**major tool for building knowledge societies**” **UNESCO (2003)** in particular, as **an instrument** that should be **reconsider** in **redesigning the process** and the **pedagogical system** to
6 **provide quality education for everybody.**

- **The role of E-learning for Deaf and hard of hearing girls in Math high school classrooms in Kuwait** : Remains mainly **unexplored by research** more particularly in **terms of learning outcome** and on **project management** field including it's impact on the project manager's leadership styles development.
- **Staff members are not professional in sign language**, Deaf and hard of hearing study alike an **intensive educational curriculum** like their **hearing peers in Kuwaiti Schools** **Alsumait, A., Faisal, M., Banian, S., (2015) , Bateman, Barbara (1992) .**

- **Research question:** *How E-learning system will help Deaf and Hard of Hearing Students in improving their cognitive perception in their Educational experiences specially in Math sessions?*

- **Sub-questions:**
 - Q1: What is the impact of the project manager's network perception on his/her leadership styles?

 - Q2: What is the impact of the project manager's network concepts on his/her leadership styles?

RESEARCH OBJECTIVES:

- **Academically :**
- The objective of the study is to transform Deaf students in Math scholarly settings **ALsumit, A., Faisal, M., Banian, S., (2015), Chen, S.Y., Macredie, R.D., 2002 .**
- To encapable their autonomy **Miller P S, & Mercer D C (1997).**



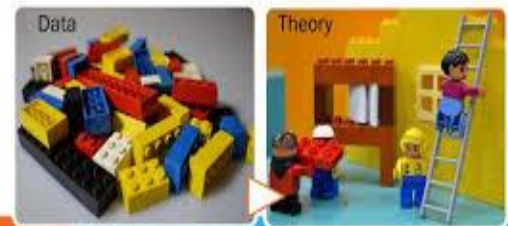
Research philosophy and approach		
Research ontology	Research philosophy	Research approach
Objective being critically subjective	Critical Realism	Inductive

Research design			
Strategy	Research Method	Time horizon	Data collection technique and procedures
Case Study	Mixed Method QUAN-Qual	Cross- sectional	Triangulation: Web-based questionnaire, convenience sampling / snowball Semi-structured interviews (provide profound reliability and validation)

THEORITICAL FRAMEWORK:

- **Grounded Theory** will be generated based analyzing the replies set via qualitative methodology will be used: semi-structured interviews that will be collected by Project Management Office (PMOs):
- **Open Coding: Decision makers, School leaders, Supervisors and Math staff members, and Deaf Students.**
-
- **Memoing and Ethnography** will be used *Corbin J., Strauss A (1990); Alonso-Díaz, L.; Yuste-Tosina, R.(2015), KATHLEEN M.EISENHARDT ;MELISSA E. GRAEBNER (2007).*

GROUNDING THEORY IN QUALITATIVE RESEARCH



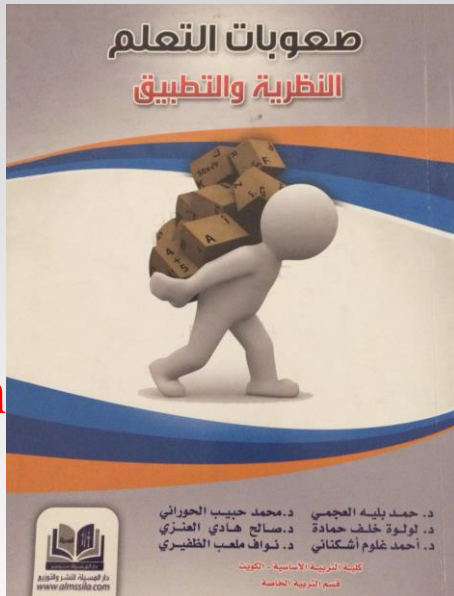
RESEARCH EXPECTED RESULTS & CONTRIBUTION.

- Transform Deaf and Hard of Hearing (DHH) learners in Math Classrooms. *Askew, Mike (2012) T107; Garrison R, Kanuka (2004).*
- -Improve their Cognitive capabilities *.David, S., Martin, P.D., (2013).*
- -Make them autonomous & happier. *Suliman, Wafika (2010).*
- -Socioeconomic inclusion in their future professional career life *Maiorana-Basas, M. ; Pagliaro, C. M.(2014).*
- *Total Soacial integration in the society with their hearing-peers in Kuwait specially geographically 12 disperased Deaf Individuals.*



- Invite PMOs To adapt distributed leadership styles.
- To develop regulation to allow leadership to implement and utilize such EL technology in Math settings in The Ministry of Education - Disability Unit.
- To train Math Staff members and Deaf students in the Smart Technology of E-Learning.
- To alleviate the status of the national status of Kuwait to cope with the Developed Countries.
- To include the name of the State of Kuwait in the International data bases regarding Deaf disabilities.
- To integrate the technology of artificial intelligence to the field of Education in the State of Kuwait.

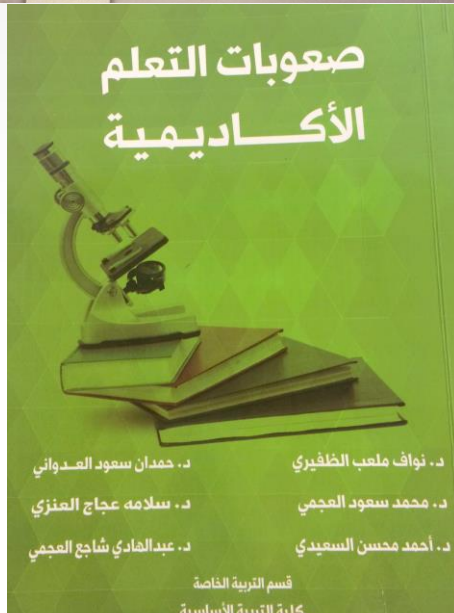
Learning difficulties and theoretical application



Language and speech disorder



Academic difficulties



Developmental learning difficulties

