PROMOTING THE PARTICIPATION AND ACHIEVEMENT OF GIRLS IN STEM (SCIENCE TECHNOLOGY, ENGINEERING & MATHEMATICS): THE FAWE EXPERIENCE

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at

The 2nd Africa Ministerial Forum on ICT Integration in Education and Training

7-8th June 2016
Abidjan
Making learning and teaching of STEM for girls Practical and fun:

FAWE’s experience
Lessons Learnt

Required paradigm shift

- Promoting learner problem-solving, critical thinking, and collaboration skills thru ICT.
- Relevance
- Sensitization
- Access and training
- Teaching methodologies and approaches that spark students’ (particularly girls) interest in STEM (hands on)
Lessons Learnt

**Required paradigm shift**

- STEM competitions to encourage girls' interest and participation (demystify theories on STEM and girls).
- Empowerment of girls/Combating stereotypes about girls and STEM
- Enabling Environment: **Infrastructure (internet access)**
- Exposing girls to role models
- Equipping teachers with gender sensitive teaching methodologies
Lessons Learnt

Policy/Strategy/Practices Reform and Innovation

- Strengthened national legislation, policies and programs (advocacy and campaigns)
- Expansion of access and participation (ICT regulations)
- Strengthening gender sensitive quality Education & training
- Making STEM relevant to the needs of learners especially girls
- Build students’/teachers abilities in use of technology in the teaching & learning processes.
Lessons Learnt

Success & Challenges

- More Girls in technology than before
- Girls emerging as innovators in ICT
- Practical and fun
- Majority are end users
- Few pursuing STEM
- Policy change in STEM
- Inspirations Innovators
Girls can excel in STEM ICT: Give them the chance!

Thank you for listening!