



Dr. Sally Kamal Ibrahim

Lecturer of Curricula and Science Education

Professional Experiences

Center of Developing University Education– Faculty of Education

As an Educational Trainer in Following Courses

- Active Deep Learning Strategies
- Developing thinking skills for Adult Learners

USAID – United States Agency for International Development, as

- Instructor for Foundations of STEM education course
- External evaluator for Capston projects in Egyptian STEM schools

Erasmus+ Programme of the European Union

As a Mentor and Researcher

School Mentor in SUP4PCL project (school university partnership for professional communities of learners) which fully funded from Erasmus and coordinated by AUC

Participating in External Coaching and Training visit
Martin Luther University in Germany

about building learner communities and STEM education

Amideast (STEM center) and US Embassy

As a instructor for young student for

- Science of recycling course
- Environmental engineering course

Central Directorate for Educational Leaders Development Center (CDELDC)

As a Certified Educational Trainer in following courses

- Teaching for Learning Difficulties
- Leadership skills
- Six Hats thinking
- Action research

My Personal Profile

Head of Developing Curricula department in Central Unit of Curriculum Development and Learning Methods – Education Strategy Administration

Lecturer of Curricula and Science Education
Faculty of Education – Ain Shams University

Contact

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Skills

Skills of Planning and Developing Curricula



Training and Coaching Skills



Technical Skills



Educational Consultant



Other professional experiences

- A technical consultant of curricula in “Compensation for Educational loss” project with UNISEF
- A Certified Trainer in “developing teachers` technical skills in managing hypird learning environment” project with Excellence centre of education with cooperation of UNESCO
- Educational board member in Educational Research and Innovation Journal”
- curriculum developer for
planing STEM foundation course with USAID throug Project of preparing profesional academic diploma for STEM teachers and leaders
Buliding unit based on STEAM for primary stage students to develop thier interdisciplinary and future thinking skills
Buliding a Chemistry curriculum for secondary stage students based on future Jobs to develop thier adaptive and designing thinking skills

Qualifications

- **Bachelor of science and education** (Chemistry department) from faculty of education, Ain Shams university on 2007
- **Professional Diploma in education** for teaching chemistry from faculty of education, Ain Shams university on 2008
- **Private Diploma in education** (Curricula and Methods of teaching science) from faculty of education, Ain Shams university on 2009.
- **Master degree in education** (Curricula and Methods of teaching science) from faculty of education, Ain Shams university on 2012, with title (A Chemistry Unit Based on Conceptual Approach to develop Chemical and Life problems solving Skills for Secondary Stage Students).
- **Ph.D. degree in education** (Curricula and Methods of teaching science) from faculty of education, Ain Shams university on 2016, with title (A Suggested Professional Development Program for Science Teacher Based on Teacher as Scientist Approach to develop Scientific Sense and Some Professional- Efficacy Requirements of Them).

Teaching experiences

Teaching different courses such as

- Science Microteaching
- Science learning strategies
- Environmental Sciences
- Integrated sciences
- Special needs methodology
- Educational Technology

Participation in Authoring and Preparing the following

- Work Package about Teaching Science by English for language school
- planning STEM foundation course with USAID through Project of preparing professional academic diploma for STEM teachers and leaders
- Building unit based on STEAM for primary stage students to develop their interdisciplinary and future thinking skills
- Building a Chemistry curriculum for secondary stage students based on future Jobs to develop their adaptive and designing thinking skills
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Participation as a speaker in different Seminars, with the following titles

- Strategies and approaches for STEM education
- Early exposure for STEM education
- Humanizing our teaching approaches
- Reasoning, wondering and questioning skills
- Interdisciplinary and multidisciplinary curricula
- Designing thinking skills

Published research

- Preparing a research paper entitled "**Developing the skills of solving chemical and life problems among high school students**", Journal of Studies in Curricula and Teaching Methods, Egyptian Association for Curriculum and Instruction
- Preparing a research paper entitled "**Developing the Scientific Sense of Science Teachers**" Journal of Studies in Curricula and Teaching Methods, Egyptian Association for Curricula and Teaching Methods
- Preparing research entitled "**The Effectiveness of the Eight inquiry model 8W's in Science for Developing Productive Thinking Skills and Attitude towards Work within the Learning Communities of Preparatory Stage Students**", Journal of Scientific Education, Egyptian Association for Scientific Education
- Preparing research entitled "**A suggested professional development program for teachers of chemistry and physics in industrial technical education schools in the light of the dimensions of the (TPACK) model to develop their teaching knowledge, creative teaching skills, and the skills of serious creativity among their students**", Journal of Scientific Education, Egyptian Association for Scientific Education
- Preparing research entitled "**the effectiveness of a teaching system based on artificial intelligence in developing a deep understanding of nuclear interactions and the ability to self-**

learning among secondary school students” Journal of Research in Education and Psychology

- Preparing research entitled **“A suggested Science unit for primary stage based on STEAM approach to develop interdisciplinary, future thinking skills and learning engagement for pupils”** Journal of Research in Education and Psychology
- Preparing research entitled **“A suggested chemistry curriculum for secondary stage based on future jobs to develop adaptive and designing thinking skills for students”**

