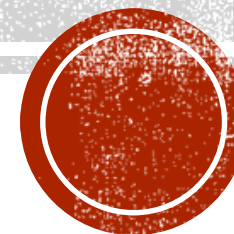


# GHANA STEM ACTION PLAN

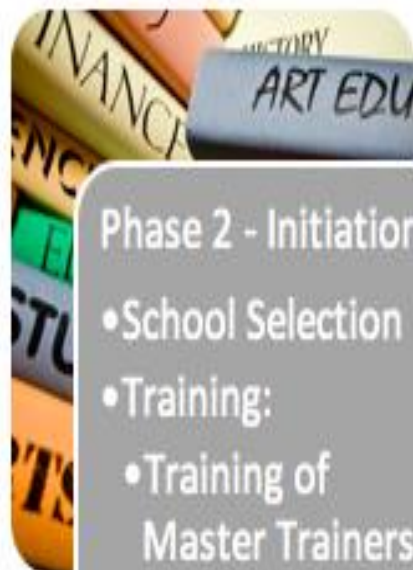
An Overview





### Phase 1 - Preparation

- Buy-in and sensitization



### Phase 2 - Initiation

- School Selection
- Training:
  - Training of Master Trainers
  - Training of STEM teachers at National Resource Center
- Local teachers



### Phase 3 - Launch

- Implementation in classrooms



### Phase 4 - Evaluation

- IE: Sep 2019  
midline

# PARTNERS



# PHASE 1 - PREPARATION DETAILS

## APRIL TO JUNE 2017

- Ministerial De-briefing and buy-in
- Formation of Project Implementation Committee - sub committee of SEIP
- Develop and Presentation of Action Plan
- Selection of 20 Pilot schools to be branded as STEM Alliance Schools – Selection will be by stratified random sampling method
- Identification of experts and partners



# PHASE 2 - INITIATION DETAILS

## JULY 2017 TO JULY 2018

- Review of SEIP Baseline Survey Report
- Curriculum:
  - Curriculum Alignment with the support of New Jersey Centre for Teaching and Learning (NJCTL)
  - Sequencing of the Topics – Physics and Mathematics first followed by Chemistry and Biology this will enhance learning outcome
- Material Development:
  - Select textbooks and scripted lessons
- Develop Special Learning Strategy
  - Academic Model prepared
- Training:
  - Resource Preparatory Manual – Int and Local Consultants to be used
  - Training Master Trainers on PSI – PMI Approach using
  - National Resource Centre becomes the training center
  - Master trainers move into SEIP school nearby to practice
  - CoE Tutors
- Resource Team: (expertise in curriculum design, pedagogical research, instructional design, ICT)
  - University Lecturers
  - Curriculum Officers
  - MOE/GES Science Officers
  - Trainers – International Consultants



# **PHASE 3 - IMPLEMENTATION DETAILS**

## **SEP 2018 — SEP 2019**

- New Strategy will start with SHS 1
- Special Launch of Ghana STEM Alliance Schools with Academic Model Package
- Design Special Classrooms for the Pilot Schools (seating arrangements)
- Implementation for one year



# **PHASE 4 – EVALUATION**

## **OCTOBER 2019 – DECEMBER 2019**

- IE Midline survey
  - Teacher assessment
  - Student Assessment



# QUESTIONS

- How will NJCTL support in (i) curriculum alignment and (ii) training
  - Support for assessment (tablets, polling devices)
  - Database of experts especially in Africa
  - Templates for Recording and Reporting

