HP Catalyst Initiative

Using Technology to Support Conceptual STEM Teaching and Learning

KENYATTA UNIVERSITY
ELIMU NI NGUVU

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Overview

- Planning
- Implementing
- Monitoring
- Challenges and Successes
- Looking Ahead

Planning: Project Team Meetings

Biweekly project team meetings to:

- Recruit inservice teachers
- Recruit preservice teachers
- Prepare for workshops
- Prepare for classroom observations

Planning: Project Team Meetings

Planning: Workshops with STEM Faculty Members

Workshops with 6 Kenyatta University faculty members from STEM departments (Biology, Chemistry, Mathematics, Physics) to:

- Introduce HP equipment and familiarize STEM faculty members with how this equipment can be used in their content courses

Planning: Workshops with STEM Faculty Members

Planning: Workshops with STEM Inservice Teachers

Workshops with 8 STEM inservice teachers from two high schools (1 girls school, 1 boys school) to:

- Introduce technology and support teachers in planning for and implementing the use of technology in their lessons

Planning: Workshops with STEM Inservice Teachers

Planning: Workshops with STEM Preservice Teachers

Workshops with 80 STEM preservice teachers to:

- Introduce technology and support preservice teachers in planning for and using technology during their teaching practice

Planning: Workshops with STEM Preservice Teachers