



Qualification Requirements for TGUP's Science Lab in a Box

The Global Uplift Project's **Science Lab in a Box (SLaB)** helps high schools deliver science education at international standard quality. It provides instruments, equipment, and supplies to carry out laboratory work in Physics, Chemistry, and Biology.

This document defines the requirements a school must meet to be a candidate for receiving a TGUP **Science Lab in a Box**. The requirements are intended to ensure that the **SLaB** is effectively utilized and that students are commensurately benefited.

Requirements:

Staff

Recipient schools must have credentialed teaching staff trained at a university level in the fields of Physics, Chemistry, and Biology. Staff must be competent to set up a working laboratory, to conduct standard experiments as defined in the **SLaB**, and be able to test for learning according to national standards.

Curriculum

Courses in at least two of Physics, Chemistry, and Biology must exist as part of the school's standard curriculum. The courses must include laboratory work, and be geared to nationally-normed exams required for university matriculation.

Facilities

The school must have facilities competent for hosting standard laboratory work. This includes, but is not limited to, work benches with water, electricity, and gas. Facilities must exist to lock away expensive equipment when not being used.

Feedback

Schools and teachers must be willing to work with TGUP to report on the outcomes of the **SLaB** and students' work. This includes: reporting on the adequacy of equipment for individual experiments; reporting on nationally normed test scores; and matriculation rates before and after **SLaB** installation.

TGUP's Science Lab in a Box School Application

TGUP's Science Lab in a Box (SLaB) is available at no charge to schools that are qualified to use it appropriately. Please complete the below questions and return the completed form by email to cathyd@tgup.org.

School Name, Address, and web site:

Good Samaritan High School - Kyanukuzi - Lwengo District - Uganda
We are working on grading our website.

Here is a link you can have a look. (<https://jnyakair7.wixsite.com/gsm-uga>)

Principal's name and email address: Mr. Sulamain Turyasingura - highschool@gsmuganda.org

Senior Science Department official overseeing SLaB, and email address:

Mr. Sulamain Turyasingura - highschool@gsmuganda.org

Mr. Sulamain Turyasingura - highschool@gsmuganda.org

Does your school have dedicated space for a science lab? Yes

Does that space have adequate work areas for conducting experiments? Yes

Does that space have locking cabinets to ensure security of equipment? Yes

Does the room have electricity? Yes water? Yes gas? Yes lights? Yes
Yes

Circle which laboratory classes are part of the school's formal curriculum:

Biology Chemistry Physics Other: _____

Is there a dedicated, university-trained teacher for each class? Yes

Does your school meet the standards for national university matriculation? Yes

How many students in the school? 305 # Boys 120 # Girls 185

How many teachers in the school? 45

of students who study laboratory science in any given year 305

who study Biology in any given year 250

who study Chemistry in any given year 250

who study Physics in any given year 250

% of students who matriculate every year to college or university 70 +/-

Is your school willing to provide structured feedback to TGUP on:

- Specific outcomes at the experiment level? Yes
- Overall outcomes at the class level? Yes
- Improvements on standardized national tests at the school level? Yes
- Improvements to matriculation at the school level? Yes

Name (if any) of the TGUP partner who has brought SLaB to your school's attention:

None

School Principal's signature and date:

Sulaiman Turyasingura Turyasingura Sula 17/02

Science Dept. Official's signature and date:

Mujinga Emmanuel Emmanuel M. 17/02

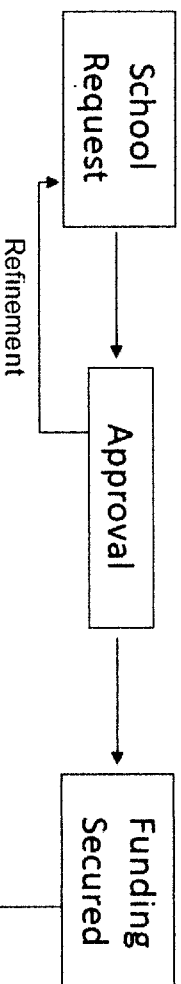
TGUP Partner (or equivalent) Official's signature and date:

Joshua Araali Nyakairu 17/02/2023 [Signature]

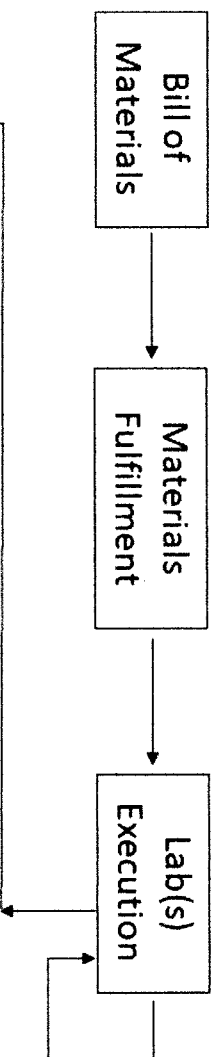


End-to-End Science Lab in a Box (SLAB) Process

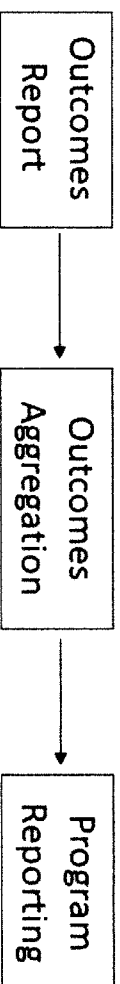
Qualification



Execution



Reporting



TGUP Internal SLaB Provisioning Checklist

School Name: _____ Principal: _____

Address: _____

NGO/Representative: _____

Recipient Qualification

___ NGO registration papers received

___ Banking information verified

___ Bank name; ___ Routing number; ___ Account number

Certification:

___ Facilities

___ Space; ___ Gas; ___ Electricity; ___ Water; ___ Storage

___ Faculty Trained

___ Biology; ___ Chemistry; ___ Physics

___ Supervising Faculty Member: _____

Provisioning:

___ Vendors identified; ___ Priced BOMs in hand; ___ Funds conveyed to NGO

___ Equipment conveyed; ___ Equipment installed; ___ Photos verifying

Reporting:

___ Photos; ___ Internal performance; ___ National exam reporting

TGUP Certification Signature: _____ Date: _____