



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 equipment, tools, and supplies to carry out laboratory work in Physics, Chemistry, and Biology. There is no cost to recipient schools to receive a **SLaB**.

The **SLaB** is designed to complement existing resources, broadening the potential reach of a school's teaching capacity. It is not rigidly directive in any way. It is a "starter kit" to help schools amplify and accelerate existing or planned teaching strategies. Requirements for a school to receive a SLaB include:

Staff

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

Curriculum

Courses in Physics, Chemistry, or 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.