

Final Report

Project:

Purchase & Procurement of the Equipment and Computers for the Physics, Chemistry & Biology Laboratories at Christel House India.

Project Leader:

Ms. Jaya George

Project Summary:

The program aims to provide an interactive flexible learning environment for young urban children coming from deprived communities who have no access to regular education. This grant was requested to help procure and provide the students of Christel House India with good quality lab equipment so that science classes such as Chemistry, Biology and Physics could be carried out in full. This investment has produced rich rewards, as young adults join the formal sector workforce, well prepared, with strong values and a sense of civic duty and social responsibility.

Students in Grades 7 to 12 have been taking advantage of the labs. Each year, a new cohort of students matriculating to Grade 7 will be able to benefit from this project because our practice is application based to enable the learner to develop critical thinking skills at an early age.

The Director of Education, Ms. Jaya George, is in charge of this project. She is the person who has been making sure that the project is a successful one.

Progress:

Step 1: Laboratory equipment purchased for Chemistry, Biology and Physics laboratories.

Step 2: Use of laboratory equipment by students from Grades K to 12 to supplement theory learning and developing practical knowledge of each subject.

Step 3: Improvement in the grades of the students studying science.

Staffing:

At Christel House India, we have 8 specialized Science teachers. We also have a number of primary teachers who teach Environmental Sciences. All the teachers are trained in their specific subjects and continue to receive training to stay updated in their respective fields.

Milestones Current & Future:

- To see a significant improvement in the project work and hands on work of the students.
- To see that translate into an improvement in the grades of the students.

Opinion:

The project has been progressing very pleasingly. Improvements have been noted in all the grades of the students. There is nearly a 100% utilization of the laboratories and students spend a minimum of one hour per week at the different laboratories. The new equipment has inspired the students to learn more and push themselves to learn more using a hands on approach. They are more interested in the different sciences than earlier and we have noticed a development in their higher order thinking and research skills. A testament to their improvements is seen in their results in the ASSET tests. ASSET is a standardized testing tool used to grade students based on the national average of a particular test. A link to the ASSET website: <http://www.ei-india.com/introduction/>

The average performance of grades 4 to 9 at Christel House is equal to the national average of 100% and many of the classes exceeded the national average as well. Students have shown a significant improvement in the Sciences and we are extremely happy with the progress that has been made and continues to be made.





