



GLOBAL GRANT PROJECT

Area of Focus

Basic education and
literacy

SCIENCE LABORATORIES PROJECT

Project site: District 4480

Rotary Club: São José do Rio Preto - Centenário

City: São José do Rio Preto

State: SP

Country: Brazil

BENEFICIARY INSTITUTION: The Children's Home Association - ALARME

SCIENCE LABORATORIES PROJECT

THE PROJECT

Objectives

RC Centenario is planning to put up a Science Laboratory in the ALARME School. The students attending the ALARME School are from low-income families. Currently ALARME attends about 700 children and adolescents of both sexes, offering Regular Basic Education (Elementary and Secondary Education), 5 daily meals, educational materials and workshops, transportation, dental, psychological and social assistance, that allows to create better conditions for social and family relationships. The continuum care, in the reverse period to Basic Education, aims to Social Protection in order to combat sexual exploitation, child labor, functional illiteracy and domestic violence.

The project aims to equip a Physics, Chemistry and Biology Laboratory. For this goal ALARME will provide in return to the global grant two classrooms, which will be adapted by the institution for the installation of the laboratories. This laboratory will be used by 700 students from the Elementary School (1st to 5th grade), Junior School (6th grade to 9th grade), through High School (1st year to 3rd year).

The laboratory teaching is essential in the process of the individual formation. Only scientific and technological literacy allows the student to properly understand the world they live in, allowing the student to develop various fields of knowledge, to test and demonstrate various concepts, favoring the abstraction capacity. This enables them to develop the skills, attitudes and values that provide greater knowledge and highlight the socio-cultural setting. Thus, the use of the laboratory is a fundamental need for ALARME providing quality education.

BRIEF BACKGROUND WHAT IS THE ALARME?

The **Children's Home Association - ALARME**, is charity civil entity maintained by its own resources, and from the community, as well as partnerships with public agencies, which houses children in semi-shelter scheme. The School and the ALARME projects take place within the institution itself. Besides the formal education, ALARME offers sports, arts and handicraft skills, where students have the opportunity to learn judo, capoeira, football, volleyball, tennis, handicraft, sewing,

bakery, orchestra, dance and recreation. Courses of photos editing and videos, gardening and horticulture and baking are also offered. Actions to strengthen family relationships and with the community are developed, such as guidance and support to parents and caregivers, referrals to social assistance network and offering workshops as gardening and horticulture, dance, sewing, handicraft recycling, computer, volleyball, capoeira, men and women's soccer, judo, Violin Workshop, Classical Viola and Cello (Orchestra), recreation, tennis, athletics, basketball, futsal and games (board, chess, checkers, dominoes and general recreation) .

DESCRIPTION AND BUDGET

Infrastructure: Pre-molded benches, cabinets with granite stone and cuba, MDF cabinets containing drawers and doors, stools, MDF shelves, MDF cabinets with locks, gas exhaust hood, white boards, freezer, refrigerator.

Equipaments and others: Binocular biological microscopes, table articulate binocular magnifying loupes with lighting, hand magnifiers, bisexual human torso, human skeleton with wheels, magnetic stirrers, physical and political globe with lighting, precision balances, ph meter, school compass, poster of periodic table, digital blackboard.

Kits with glassware, reagents and other materials: Portable kit of physics laboratory, portable kit of chemistry laboratory, portable kit biology laboratory, kit of structure molecules with spheres connected by rods, hardware lab kit, kit with 80 reagents, lab kit with 106 pieces.

Kits with biological samples: Kit of slides for Fundamental Teaching of Biology - 25 species, kit of slides for High School - 50 species.

Consumables

Total cost: US\$ 34,000

The ALARME will be responsible for maintenance of the laboratory, performing necessary repairs and additional purchase of consumables.

Length of time needed to complete the project

It is predicted six months to complete the project after the receipt of funds.

Activities of the host and international partners in implementing the project.

International partners: Provide part of the financial support for installation of the laboratory.

Host partners: Rotarians should be integrated to monitor the process of purchasing equipments and installation of the laboratory once that the money comes.