# LABORATORY PROGRAMME

## Objectives

(a) To familiarize participants with what can be done with limited resources;

(b) To familiarize participants with basic workshop techniques and economies;

(c) To encourage participants to see the development of low-cost equipment as an integral part of the teaching strategy;

(d) To encourage participants to see to what extent they could participate in the local production of science equipment;

(e) To encourage participants to construct simple equipment (both software and hardware).

## Programme

(a) Laboratory I - An introductory session at which the Kenya Science Equipment Production Unit (SEPU) kits and the National Council of Educational Research and Training (NCERT) kits or equipment to be demonstrated. Simple experiments to be set up to familiarize participants with the practical problems that arise during construction and use of low-cost science equipment.

(b) Laboratory II - Analytical discussion of the SEPU kits. Preparation of guidelines for the remaining laboratory sessions.

(c) Laboratory III-IX - Participants to be divided into four to six groups to review certain sections of the West Indian Science Curriculum (WISC) programme.

In order to acquire basic practical workshop techniques and experience in equipment production, each group is to develop its own plan taking into account:

(i) apparatus requirements for the chosen section of the WISC syllabus;

(ii) the printed material necessary to support the hardware; and

(iii) support material e.g. slides, radio scripts etc. which would be required.

(d) Laboratory X-XI - Presentation of completed work for total group appraisal and preparation for exhibition of materials developed.