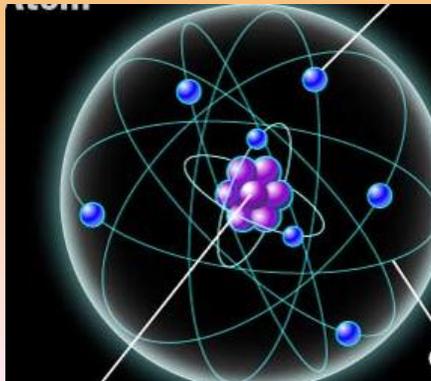


STEMEC

Addis Ababa Science, mathematics and Engineering Center

Tel:0114-390355

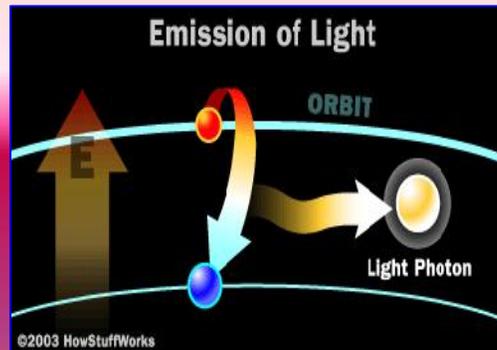


Sub-City: Akaki Kaliti

Vision: to create a model Science, mathematics and Engineering Center which serves as a forum for early identification and cultivating of budding scientists and engineers.

Mission: to develop an enriched curriculum and to reinforce science education by providing additional hands on training to students who have interest and capability in science and engineering field

Key Strategies: Partnership formation, development of intensive and enriched programs, fostering student competition in science, networking with similar institutions in Ethiopia and in Africa is regarded as key strategies.



Proposed interim structure

During the coming four years the center will be supported by Mr. Mark Ian Gelfand. This period is regarded as the project period. Thereafter, the government is expected to take over the center. Till that time the center has to put up an interim structure. This interim structure has to be efficient and cost effective.

The proposed structure is to form an advisory board which will consist of representatives of the Ethiopian Society of Electrical Engineers, Education Office, Technical and Vocational and Training Agency and other higher education institutions. Under the Advisory Board there will be the Center Executive Manager and the technical committee. The center Executive Manager will have under him the Technical coordinator and the administrator. The Technical coordinator manages the Mechanical, the optical, the electronics and electrical and the Information technology Experts. It's not just elementary school children who can benefit from strong after-school and other out-of-school time (OST) programs; middle- and high-school students stand to gain as well. But programs have found it much tougher to recruit older than younger youth and make sure they participate in OST activities regularly.

Program of the Center :

Grade 1-4, Age group 7-10

The Center Program is organized based on the structure of the Ethiopian Curriculum. Accordingly, students of grade 1-4 or age group 7-10 will be beneficiaries of the special demonstration session. The purpose of the special demonstration session is to inspire the children to develop interest in science.

Grade 5-6, Age group 11-12

The curriculum of grade 5-6 students is called integrated science. The center program accordingly is designed to enrich the formal science instruction by giving training to the enrolled students in the center. The training will be 30 hours training on computers and 70 hours training in the science lab. The modality of training is demonstration interspersed with hands on experiment.

Grade 7-8, Age group 13- 14

The groups' training will be conducted in one semester. The contact hour of the training is 100 hours. The 100 hour training constitutes 25 hours computer, 25 hours optics, 25 hours mechanics and 25 hours electricity and electronics. It is conducted in circuit form.

Grade 9-10, Age group 15-16

The program organized for this cohort is called summer program. It will be conducted either in July or August. The training contact hour is 120 hours. The 120 training hour is broken down into 40 hours training session for each of the four thematic areas. The modality of training is in circuit form.

WHAT CAN I DO TO HELP ?

Join **STEMEC!** (You can do this on line)
You will gain free access to the center, digital Library and internet (You can also borrow books from other libraries). Your child could enjoy facilities of the center.

1. You could organize seminars and lecture series or training.
2. You can undertake research work through membership modalities
3. You could share your findings and views on mutual organization bases
4. School directors and training centers could visit the center based on prior arrangement
5. You could participate in national & international science competition events
6. You could organize STEMEC CAFÉ and create a discussion forum with fellow electrical engineers or consortium members
7. Volunteer to take part in any of the activities of the center.
8. You can create link with similar institutions and creative research centers.
9. You can stay informed about students' lives outside of the school and at the STEMEC programs.
10. There are the incredibly amazingly intelligent and loving children who need care that are being mistakenly trained & maltreated.

