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STEP

Science & Technology Education Project

-Brochure-

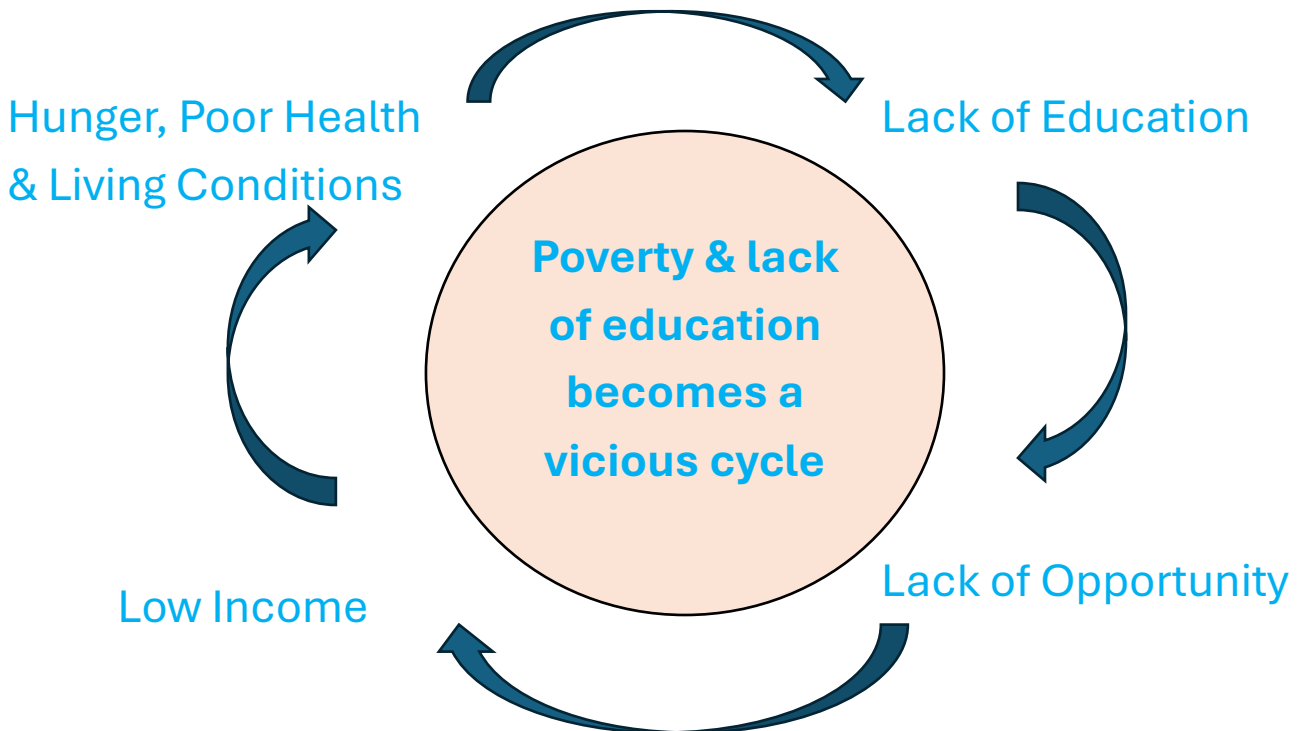


Students using tablets provided by STEP. Sitara School (Islamabad)

No Child Left Behind in Education

TO BUILD A PROPEROUS SOCIETY, WE NEED TO EDUCATE EVERY CHILD

Vicious Poverty Cycle:



Mission Statement

To provide free high-quality STEM education to students in underprivileged communities to improve education outcomes.

Strategies

Use Education Technology (EduTech) to provide high quality, cost-effective education.

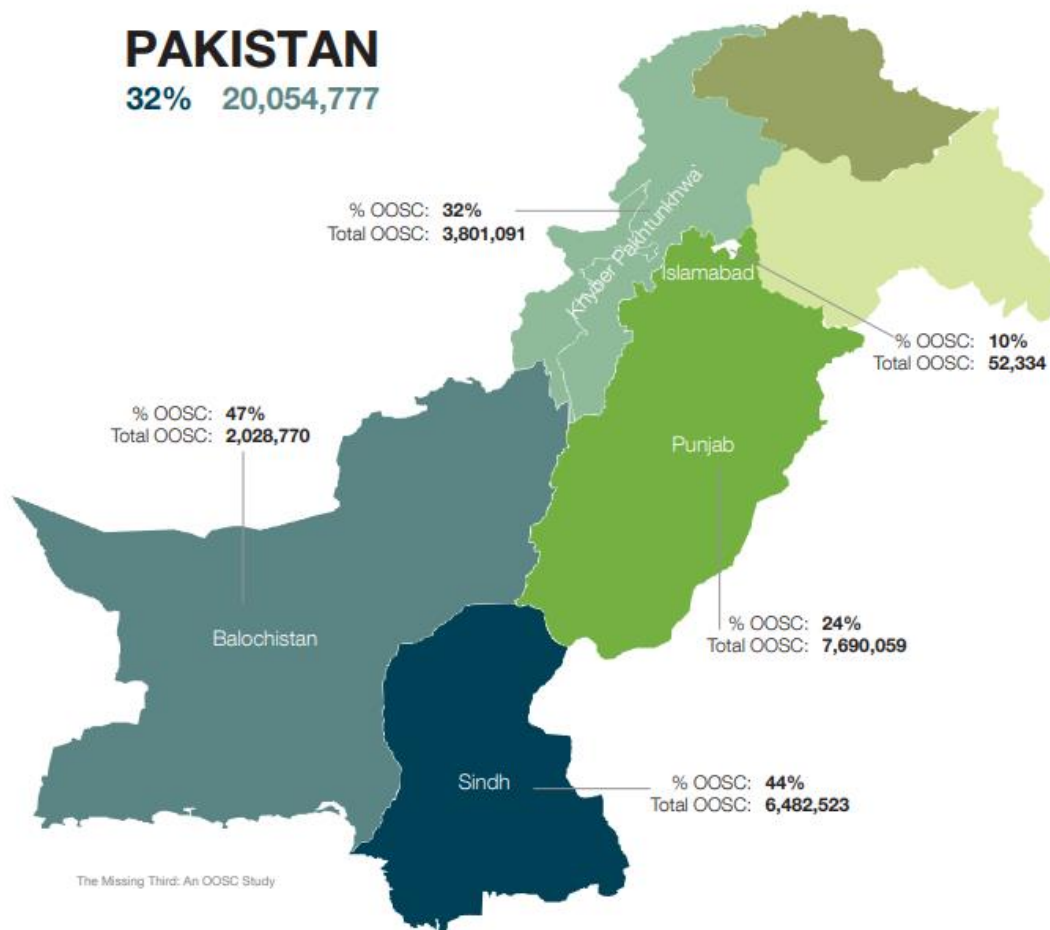
Goals

- Provide good quality and easy to understand digital education material to students and teachers.
- Generate digital education contents suitable for students in local school systems
- Train teachers in Education Technology
- Enhance teacher's productivity with technology
- Reduce education expenses using technology

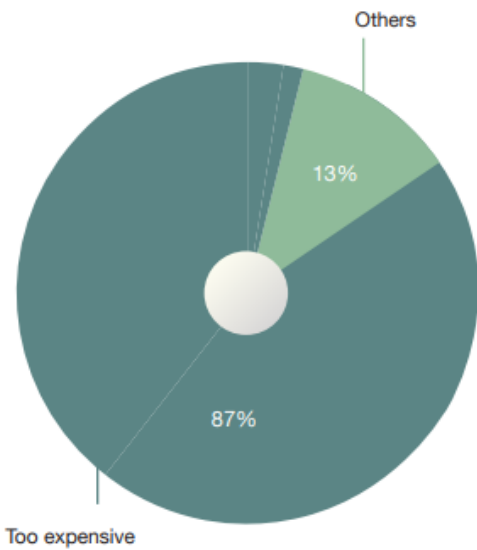
INTRODUCTION:

A recent study shows that Pakistan has more than 20 million out of school (OOS) children (ages 6-16), 15 million of them are in rural areas [Ref. 1]. Most of these children (87%) never enrolled in school due to financial reasons. Half of OOS children are dropouts due to lack of finance, distance from school, or lack of interest in education.

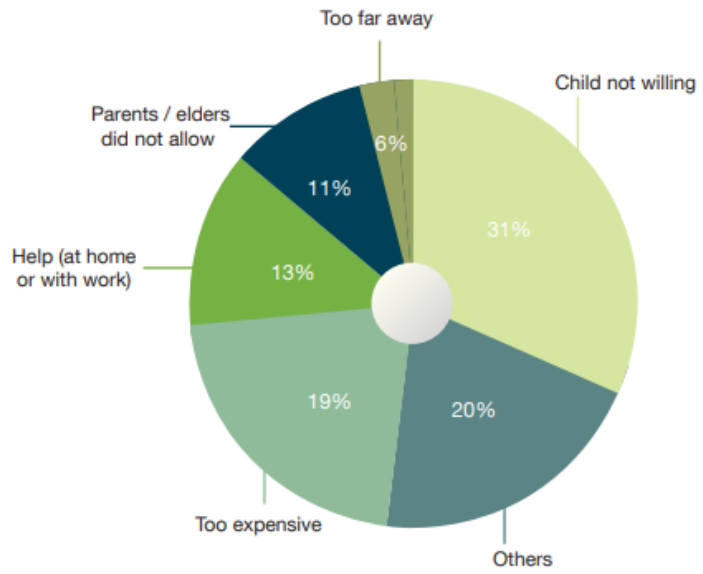
Even the children who manage to go to schools in underprivileged communities do not acquire adequate reading, writing, and communication skills. The quality of education in these schools is substandard due to lack of resources and untrained teachers. Thus, the communities with inadequate education are pushed into a vicious cycle of poverty.



Out of School Children in Pakistan [Ref. 1]



Reason for never enrolled



Reason for drop out

[Ref. 1] Pak Alliance for Math and Science. 2021, Islamabad

OUR SOLUTION:

STEP is promoting Education Technology in Pakistan to improve education. We provide servers, tablets, laptops, digital boards, and projectors to nonprofit schools in Pakistan. We deliver high-quality educational content to teachers and students using a Learning Management System (LMS) called Kolibri. The educational contents include lessons, exercise, and quizzes that are aligned with the Punjab Textbook Board curriculum. The LMS system also has lessons from Khan Academy, CK-12, PHET, and other sources.

This LMS system acts as a teacher assistant in delivering lessons, monitoring students’ progress, conducting quizzes, testing, and grading. This saves teachers’ time and allows for more one on one interaction with students who have difficulty in understanding the lesson concepts.