



CONNECTED LEARNING INITIATIVE



Font : Open sans | 18 CHHATTISGARH | MIZORAM | RAJASTHAN | TELANGANA

# Making EdTech Work for Secondary School Students & their Teachers

Font : Open sans | 10 Research Findings from CLlx Phase I

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We are happy to share with you 'Making Edtech Work for Secondary School Students and their Teachers: Research Findings from Connected Learning Initiative, Phase I'



CLlx phase 1 (2015-2020) seeded by the Tata Trusts and led by The Tata Institute of Social Sciences, Mumbai, India, and Massachusetts Institute of Technology, Cambridge, MA, USA was implemented in the states of Chhattisgarh, Mizoram, Rajasthan and Telangana across across 398 schools, reaching 76226 students, 3509 teachers and 244 teacher educators

Centre for Education Innovation & Action Research, TISS is organizing an event 'Making Edtech work- Release of CLlx Research Report' to present findings from the report and recognise CLlx teachers for their efforts and support in successful completion of CLlx Phase 1. Your presence will be highly appreciated.

**Date:** 12 January 2021

**Time:** 6:30 - 7:30 pm

**Event joining link:**

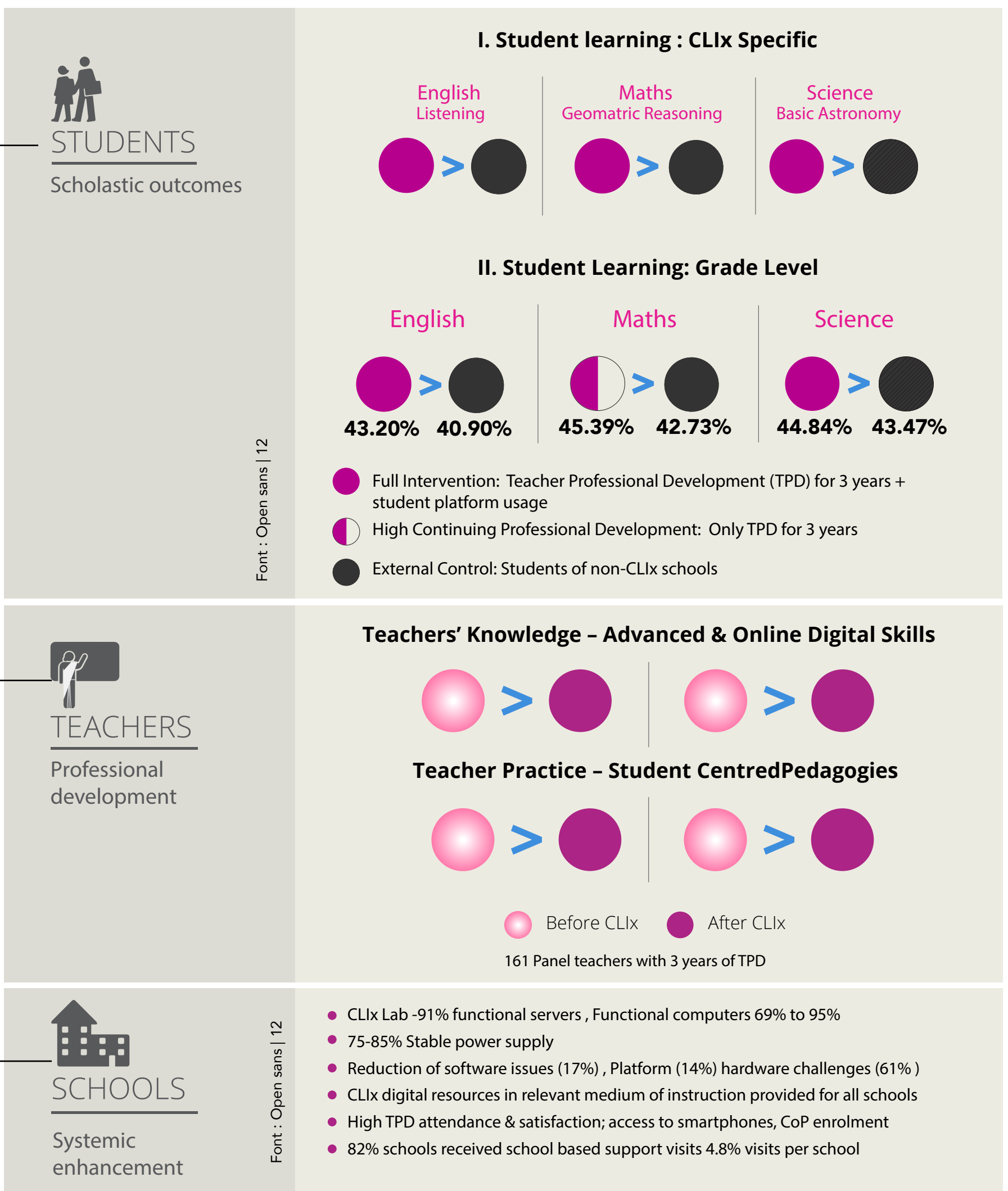
**Youtube Live streaming:**

**This report presents findings from three major research studies conducted on CLlx on matters of Adoption and Impact of CLlx in phase 1:**

- I. Monitoring and Evaluation of CLlx Design and Intervention Study
- II. the Baseline-Endline Study and
- III. The Innovation Diffusion and Process Documentation Study

The findings show that

- Conditions for successful implementation of CLlx i.e., lab functionality, availability of CLlx digital resources, continuous onsite support etc. were met to a highly satisfactory level.
- Long term CLlx Teacher Professional Development produced change in teacher knowledge, attitudes and practice of meaningful integration of ICT in education in English, Maths and Science.
- Student learning in CLlx specific subject topics in English, Maths and Science were significantly higher than their counterparts in non-CLlx schools when taught using CLlx digital resources with high degree of fidelity to design.
- Students in CLlx schools when taught by teachers with high levels of TPD and with access to use of CLlx digital resources perform better across grade level subject areas, particularly in English and Science.
- When equitable lab access is provided to girl students and students from disadvantaged castes they are able to perform better in scholastic and non-scholastic areas.



The report which is the culmination of 3 years of rigorous research, involving mixed methods design and multiple sources of data, is being shared with you as it contains insights relevant both to understanding ICT deployment in government school contexts and impact on teachers and students of implementation at scale. It presents insights on robust practices and design that can have a positive and sustainable impact contributing to meaningful tech use by teachers and students. CLlx in phase 1 aimed at proof of concept. CLlx in phase 2 is now focussing on promoting sustainable good practices for interactive ICT OER adoption within state systems, and by teachers and teacher educators.

## WHO WE ARE

The Centre for Education Innovation and Action Research (CEIAR) is an independent centre at TISS Mumbai incubating and promoting initiatives that address needs of Indian school education and CLlx research, working with technology and at scale. The **Connected Learning Initiative (CLlx)** and **Integrated approach to Technology in Education**, the centre has developed expertise in educational technologies and online learning since 2015. CLlx was awarded the UNESCO-King Hamad Prize for Excellence in the Use of ICTs in Education.



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