The **Connected Learning Initiative (CLIx)** is a bold and innovative effort to improve the professional and academic prospects of high schools students from underserved communities in India. CLIx incorporates thoughtful pedagogical design and leverages contemporary technology, including online capabilities, to provide quality educational content and experiences at scale. The initiative aims to reach a total of approximately **1,000 schools** and **150,000 students** in **3 states** during 2015–2017, as well as conduct professional development for approximately **2,700 teachers**.

CLIx catalyzes access to quality learning opportunities at scale that are capable of changing what Indian students and teachers know and can do. A massive quality intervention, providing curricular alternatives to students and teachers, can irreversibly ‘change the game’, improving the Indian education system and what Indian youth learn.

The CLIx approach is characterized by the following essential attributes:

- **Pedagogy and Educational Technology**: CLIx brings together knowledge of educational practice and understanding of context available in the Indian team combined with MIT’s experience and expertise in designing technology enabled educational innovations.

- **Foundational Competencies**: CLIx focuses on quality teaching and learning experiences for Mathematics, English, Science, and Values that will strengthen the foundational competencies and confidence of students and empower them to succeed.

- **Capacity Building**: CLIx efforts include developing the capacity for partner organizations to lead further innovative educational technology-enabled learning opportunities in the future. CLIx also provides teacher professional development to improve teachers’ subject mastery and familiarity in teaching new pedagogies.

- **Local Language**: CLIx provides learning experiences in Hindi (and English), and demonstrates its contribution to learning.

- **Innovation**: CLIx brings innovative educational technology and pedagogy to change both what and how children learn. The initiative is not about merely doing old things in new ways, but also about doing new things in new ways.

- **Systemic Intervention**: CLIx’s efforts include a systemic approach necessary for effective and substantive change through (but not limited) to the design and development of resources, professional development, as well as support for implementation and technology.

- **Continuous Improvement**: Innovative CLIx interventions will be re-purposed, re-worked, and re-integrated into the Indian education system.

- **Extensible Model at Scale**: CLIx starts with scale as part of its design, it is not merely an end state to be achieved. Open educational resources, open architecture and a collaborative ecosystem involving industry, not-for-profits, academic institutions, and governments, will support further scaling and continuous innovation and development, within India and around the world.

The **Connected Learning Initiative** will raise the social capital and expand opportunities for participating youth, thereby empowering them to be successful into the 21st Century. The initiative will be a vivid and potent expression of the Tata Trusts’ intent to substantively, substantially, and positively impact educational opportunity for India’s youth, to strengthen the foundation for modernizing school education in India and to provide a model with global relevance.
**CLIx LEARNING EXPERIENCES**

**3 DOMAINS**
- MATH
- ENGLISH
- SCIENCE

**3 GRADES**
- VIII
- IX
- XI

**INTEGRATING**
- VALUES
- LIFE SKILLS

**IN TWO LANGUAGES**
- HINDI
- ENGLISH

**DELIVERED THROUGH**
- Teachers
- Devices
- CLIx Platform

**ACHIEVED USING**
- Real World Projects
- Online Text & Videos
- Interactive Ed Tech Apps
- Hands-on Activities & Labs
- Discussion & Community

**Learning Experiences:** CLIx's learning experiences will focus on conceptual understanding and application of foundational concepts in Mathematics, English, and Science to real-world issues, problems, and applications. They will promote active learning and integrate best practices in design from learning sciences research. They will be blended learning experiences with part of the experience delivered through educational technologies and part through hands-on activities, which emphasize "learning by doing". They will also be designed to work as supplements for the existing curricula, both within and outside schools and other formal learning environments.

**CLIx PLATFORM**

**Platform:** The CLIx platform will consist of multiple elements for delivering learning experiences and professional development at scale, as well as enable support for communities of teachers and students. The platform will consist of a "portal" that will provide access to content (online text and videos), as well as interactive educational technology applications (e.g., animations, simulations, games). The platform will leverage OpenEdX to deliver online, MOOC-like elements of content interleaved with assessments, as well as access to tools to design, develop, and analyze the learning experiences.

**Ecosystem of Partners:** CLIx will be led by the TATA Trusts in collaboration with the Tata Institute for Social Sciences Centre for Education Innovation and Action Research and the Massachusetts Institute of Technology. CLIx's initial development partners include Eklavya Madhya Pradesh, the Homi Bhabha Centre for Science Education, the Indian Institute of Technology Bombay, the National Institute of Advanced Studies and Centre for Learning Resources Pune.

**Action Research based Implementation at Scale** will involve implementation partners and partnerships with Government of India and State Governments under the RMSA and ICT@Schools initiatives. Potential State Partners include Government of Mizoram, Chhatisgarh, Rajasthan and Maharashtra and the UNICEF in these states. CLIx Ecosystem is open to new partners within the framework of the guiding core values.