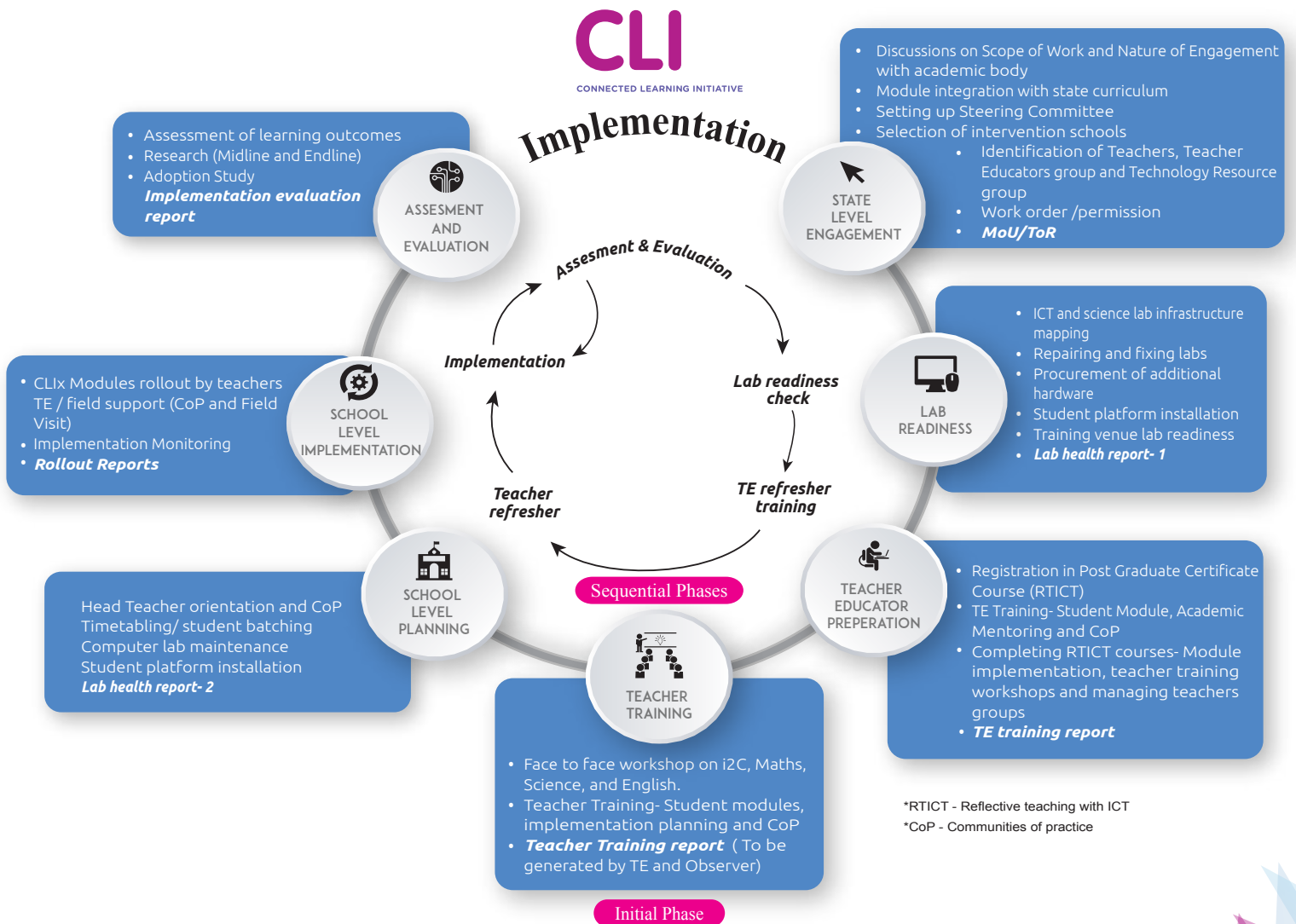# CLIx Implementation

CONNECTED LEARNING INITIATIVE

The CLIx programme follows certain processes to ensure that the flow of activities leads to quality implementation. The process starts with discussions with government officials or interested groups to decide on the nature of engagement and the scope of work. To ensure school level adoption, the academic body and CLIx subject groups work together at the curriculum level. This is in conjunction with ensuring functional and adequate ICT infrastructure at schools and lab readiness at the district level. To enable scale and sustainability of the programme, CLIx works on capacity building exercises at various levels including developing the Technology Resource group and Teacher Educator groups. This initiative enables teachers to become primary agents developing new content while using ICT for both teaching and their own learning. To this end CLIx offers a Post Graduate Certification programme to teacher educators and teachers for their professional development. At the school level for micro-planning the CLIx implementation team works with teachers and principals for lab readiness, batching of students and time tabling. Another ongoing activity is regular monitoring and evaluation that act as feedback, concurrent and feed forward mechanisms to ensure adoption.

CLI
CONNECTED LEARNING INITIATIVE

Implementation

STATE LEVEL ENGAGEMENT
- Discussions on Scope of Work and Nature of Engagement with academic body
- Module integration with state curriculum
- Setting up Steering Committee
- Selection of intervention schools
  - Identification of Teachers, Teacher Educators group and Technology Resource group
- Work order /permission
- *MoU/ToR*

LAB READINESS
- ICT and science lab infrastructure mapping
- Repairing and fixing labs
- Procurement of additional hardware
- Student platform installation
- Training venue lab readiness
- *Lab health report- 1*

TEACHER EDUCATOR PREPERATION
- Registration in Post Graduate Certificate Course (RTICT)
- TE Training- Student Module, Academic Mentoring and CoP
- Completing RTICT courses- Module implementation, teacher training workshops and managing teachers groups
- *TE training report*

TEACHER TRAINING
- Face to face workshop on i2C, Maths, Science, and English.
- Teacher Training- Student modules, implementation planning and CoP
- *Teacher Training report* (To be generated by TE and Observer)

SCHOOL LEVEL PLANNING
Head Teacher orientation and CoP
Timetabling/ student batching
Computer lab maintenance
Student platform installation
Lab health report- 2

SCHOOL LEVEL IMPLEMENTATION
- CLIx Modules rollout by teachers TE / field support (CoP and Field Visit)
- Implementation Monitoring
- *Rollout Reports*

ASSESMENT AND EVALUATION
- Assessment of learning outcomes
- Research (Midline and Endline)
- Adoption Study
- *Implementation evaluation report*

Assesment & Evaluation

Implementation

Lab readiness check

TE refresher training

Teacher refresher

Sequential Phases

Initial Phase

*RTICT - Reflective teaching with ICT
*CoP - Communities of practice

*Winner of the 2017 UNESCO -
King Hamad Bin Isa Al-Khalifa Prize for **Use of ICTs in Education***

Tools for Implementation:

CLIx has designed certain tools that work both online and offline to check field readiness, to manage and resolve technical issues and to regularly monitor programme implementation in schools. All the data gathered through these tools is aggregated, analysed and reported on a dashboard. Reports can be generated at the state, district and school level.

INFRASTRUCTURE MAPPING — To check the gap or requirements of all the essential components (computer lab infrastructure, print materials, science lab materials, etc.) required to implement CLIx or ICT integrated modules.

IMPLEMENTATION MONITORING — The implementation monitoring tool is designed to capture the real time picture of implementation and adoption of the CLIx programme in rural government schools over time. A monitoring framework such as this will enable tracking the extent to which the CLIx intervention has been implemented in schools, districts and states and guide the local teams to take necessary actions.

ISSUE MANAGEMENT TRACKER — To report any technical issues or problems of the computer lab (Hardware or Software) and tracking and managing issues.

PROGRAMME MONITORING DASHBOARD — To maintain an online dashboard to view status of module implementation (state, district, school level) ICT and computer lab infrastructure, technical issues, etc.

Government Partners Government of Chhattisgarh, Government of Mizoram, Government of Rajasthan and Government of Telangana

Development & Implementation Partners Centre for Education Research & Practice, Jaipur; Department of Education, Mizoram University, Aizawl; Eklavya, Bhopal; Homi Bhabha Centre for Science Educaton, TIFR, Mumbai; National Institute of Advanced Studies, Bengaluru; State Council of Educational Research and Training, Hyderabad, Telangana; Tata Class Edge, Mumbai; Inter - University Centre for Astronomy and Astrophysics, Pune; State Council of Educational Research and Training, Chhattisgarh.

The **Connected Learning Initiative (CLIx)** is a technology enabled initiative at scale for high school students. The initiative was seeded by Tata Trusts, Mumbai and is led by Tata Institute of Social Sciences, Mumbai and Massachusetts Institute of Technology, Cambridge, MA USA. CLIx offers a scalable and sustainable model of open education, to meet the educational needs of students and teachers.

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