CLIx Newsletter

CONNECTED LEARNING INITIATIVE

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

An initiative seeded by TATA TRUSTS

Led by TISS and Massachusetts Institute of Technology

Voices from the Field

Vanlalruatfela Hlondo,
Consultant,
CLIx, Mizoram

Activities at Mizoram

For the state team, the month of February is a lean period when it comes to roll out. The Mizoram team took the opportunity of this period for the preparation of the coming Academic session. The team is busy engaging in documenting what has been done so far in the last three years and each member of the team has been assigned a task to write their own thoughts and experiences so far with CLIx, to be included in the document.

As far as the CLIx schools were concerned, the High School Leaving Certificate (HSLC) examination began. The Govt. of Mizoram initiated the process of lab readiness of the 70 new CLIx schools in the districts of Aizawl, Lunglei, Champai, Kolasib and Serchhip.

The Roundtable with the State Govt. is expected to be held in March 2019 and the team is busy preparing for this.

We are eagerly awaiting the HSLC results as many of the CLIx students are candidates of this examination. We wish and hope that the CLIx program has a positive impact on their results. This will indeed encourage all of us from the team and will also motivate the teachers and students to engage more with the CLIx programme.

Government of Mizoram

Current Status of MIZORAM

SCHOOLS	TEACHERS	STUDENTS
100	324	6,300

ज्योती मीणा ,
इंग्लिश टीचर ,
राजकीय उच्च माध्यमिक विद्यालय,
रोजड़ी (दूदू),जयपुर

क्लिक्स कार्यक्रम – आईसीटी माध्यम से बेहतर शिक्षण का प्रयास

क्लिक्स कार्यक्रम बच्चों के लिए रुचिकर है तथा बच्चे इसके अंतर्गत दी गयी गतिविधियों के माध्यम से आसानी से सीख पाते है। इस कार्यक्रम में बच्चों के लिए कुछ प्रेरणादायी विडियो भी उपलब्ध है, जिनको देखकर वे अपने जीवन में उनका भली-भांति प्रयोग कर सकते है, ये भी इस कार्यक्रम की एक सराहनीय बात है। क्लिक्स कार्यक्रम बच्चे के अन्दर खुद करके सीखने तथा साथ-साथ सीखने के गुण को विकसित करने में सहायक है। बच्चे आपस में किसी विषय पर चर्चा करके अच्छी तरह से सीख पाते है। हमारे विद्यालय में यथासंभव बच्चे इस कार्यक्रम का लाभ ले रहे हैं, लेकिन काम करते हुए कुछ अनुभव भी हुए। कार्यक्रम को विद्यालय में अच्छी तरह से उपयोग में लेने की कुछ सीमायें है, जैसे विद्यालय में बच्चों की संख्या अधिक होना तथा विद्यालय में संसाधनों का अभाव एक चुनौती है जिससे बच्चों को कंप्यूटर लैब में पर्याप्त समय नहीं दिया जा सकता। इसके अलावा चूँकि हमारे सामने बच्चों की पुस्तकों का पाठ्यक्रम समय पर करवाना तथा इसका दोहरान करवाया जाना हमारी मजबूरी होती है, अतः चाहकर भी हम इसमें पर्याप्त समय नहीं दे पाते।

सत्यमेव जयते
Government of Rajasthan

Current Status of RAJASTHAN

SCHOOLS	TEACHERS	STUDENT
101	316	25,715

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Amitabh Anand,
Field Technologist,
CLIx Chhattisgarh

College of Teacher Education(CTE) Science Teacher Training

The College of Teacher Education conducted one day trainings in two phases, for all the science teachers implementing CLIx modules in their respective schools. The objective of the training was to engage teachers with more hands-on activities and orient them to modules developed by the CTE faculties to be used as a resource for teaching their students. Since the module was in a draft stage, feedback was taken from the teachers regarding its usability. Many teachers gave their respective inputs after they used it in their schools. The use of Teaching Learning Materials (TLMs) like foldscope was very exciting for the teachers to conduct different lab activities because of the shortage of the actual equipment. The self-learning modules developed had a digital component too in the form of QR codes given for some basic understanding of the topics.

In a nutshell, training provided the space and platform for teachers to learn from self-learning modules and strengthen the process of community of practice through such engagements which also eventually helps CLIx school level implementation.

Current Status of
CHHATTISGARH

SCHOOLS	TEACHERS	STUDENTS
47	139	10,148

Venkatesh Reddy,
Student,
Zilla Parishad High School, Dharmaram,
Warangal district,
Telangana

Impact of "Health and Disease" module- Feedback of a student from Warangal

I am Venkatesh studying in Zilla Parishad High School- Dharmaram, Warangal district. We have been working on CLIx modules since last year in our school. With the help of our teacher and Raju Sir from CLIx team, we have learnt to explore CLIx modules.

Raju Sir also taught us how to work on the CLIx platform and how to connect computers when they are dismantled. This was really helpful to us as our lab is dismantled for office purposes frequently. We have less number of computers in our school and student strength is more. Thus we always wait for our turn to go to the computer lab.

We explored "**Health and Disease**" module. This lesson was done before in the classroom but it was interesting to read it online and some new teachers have also explored the module along with us. Recently, we have explored the "**Health and Disease**" lesson on the CLIx platform. This is my favorite among all the science modules. I have learnt a lot about health and hygiene in this lesson. Hygiene can protect us from many virus and infections. As we live in a village, we don't have immediate access to healthcare; I shared what I have learnt at home and friends nearby. They all are also interested in health and hygiene now and have learnt from me!

Current Status of
TELANGANA

SCHOOLS	TEACHERS	STUDENTS
300	2,366	18,013

Blog of the month

Visit to a CLIx school in Sairang-Mizoram

(17.01.2019)

Rafikh Shaikh,
Senior Research Associate, Science Team,
Centre for Education, Innovation and Action Research

The best part of my job is that I get to travel and visit schools in different parts of the country. From 13 January to 19 January 2019 I was in Aizawl, Mizoram. During my stay, I got an opportunity to visit 6 government schools around Aizawl city. It was a huge learning experience for me. This blog narrates my experience of visiting one such CLIx school -Government Secondary School Sairang located in a village named Sairang near Aizawl.

David who is the Field Support Person (FSP) with the Mizoram CLIx team, accompanied me to the school. The school is on a 1.5-acre land with enough space for a playground and farming. Met the Principal and the science teacher. The Principal took me around the school surroundings and showed me all the fruit trees that the students and teachers have planted .

The computer lab is well maintained. The science teacher – Mr Zirkima, is a new recruit who is techno-savvy. 9 out 10 computers are working though there were some issues with the mouse of a few. Class 9 has 36 students. Mr Zirkima, joined the school six months ago but did not attend the CLIx training. He took the initiative and tried implementing the sound module but did not finish as he was unsure about how to conduct the activities.

Smiles are magic: they motivate us

Considering all this, David and I decided to give him a mini experience of the CLIx module training. I gave him soft copies of the CLIx teacher's coursebook and with examples of the ecosystem and motion module showed him how to prepare for the class and how to conduct a CLIx class. Along with giving him examples of hands-on activities and digital activities, we gave him a Foldscope (a frugal paper microscope) and showed him how to use it in the Ecosystem and Health and Disease module.

Read more

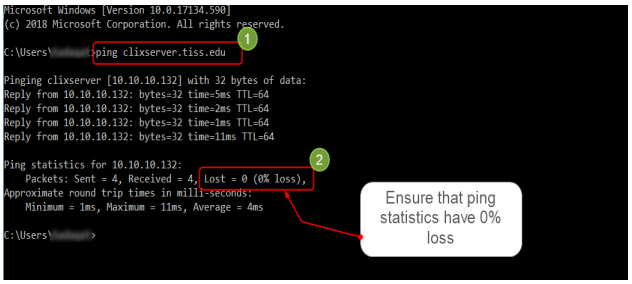
Tech Assist

Server-client connectivity: pinging to server from client

Previously we had learnt how to troubleshoot host file entry in client machines so that server-client connectivity is established.

Here we will discuss one more scenario of troubleshooting server-client connectivity by pinging to server.

Sometimes, the url https://clixserver.tiss.edu does not open up and shows alert " *The site cannot be reached".*
In that case after checking host file entry for server IP and hostname please do the following:



1. Press Ctrl + R
2. Type *cmd* and press Enter
3. Windows **command prompt** will open
4. Type *ping clixserver.tiss.edu*
5. Ensure that ping statistics have 0% loss.
6. If the loss is more than 0% that means the LAN connection has not properly established.
7. If the ping gets a reply "Destination host unreachable" then check host entry in hosts file

Note: For an Ubuntu machine open the terminal (Ctrl+Alt+T) and begin from step #4 onwards

Research

Teaching and learning basic astronomy through a blended module

Rafikh Shaikh, Shamin Padalkar, Sheetal Chopde

A module on basic astronomy has been prepared for Grade 8 or Grade 9 students as a part of a large-scale field action project called 'Connected Learning Initiative' (CLIx). It is a sequence of 12 classroom lessons in blended mode. The module was rolled out in nine schools in Jaipur district of Rajasthan, India. For this study, we observed one school where the module was being rolled out.

Read full Paper

This section features recent studies in the field of education published by our CLIx team who work in tandem with the Centre for Education,Innovation and Action Research (CEIAR).

Explore CLIx

CLIx offerings:
https://demo-clix.tiss.edu/

Post Graduate Certificate in Reflective Teaching with ICT:
https://www.tissx.tiss.edu/

Publications:
https://clix.tiss.edu/research/publications/

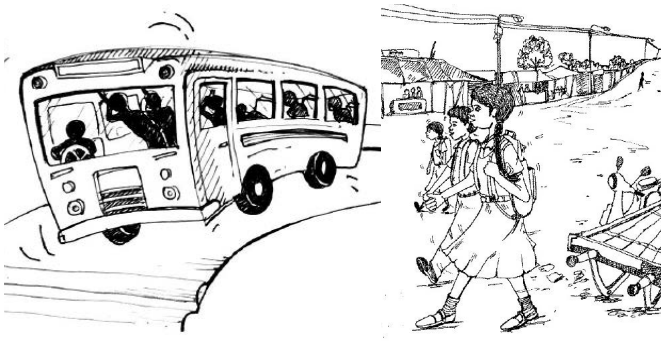
Releases:
https://clix.tiss.edu/research/releasesmodules/

Blogs: https://clix.tiss.edu/news/

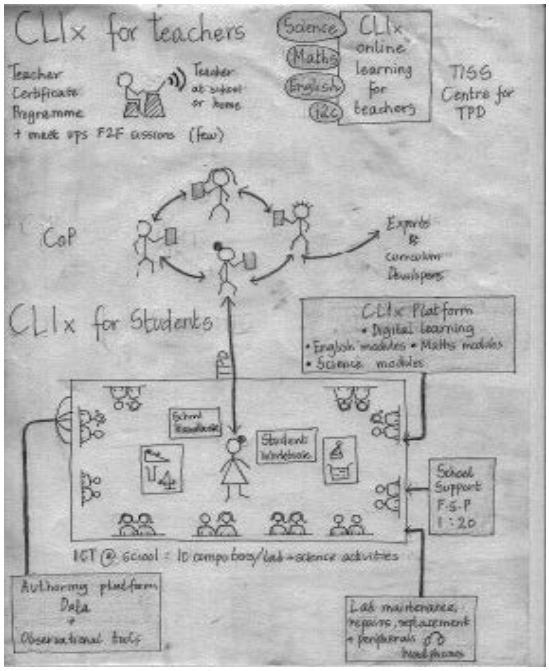
Module: Understanding Motion

Understanding Motion module uses investigative and discovery based approach to describe and analyze motion. The video player analysis tool is used to analyse high speed motion of a ball on an inclined plane. Multiple representations to analysis motion come together in a digital game 'Run-Kitty-Run'.

Duration- 3 weeks/12 periods
Grade- 8-9
Digital tools- Run Kitty Run
Developed by- Eklavya



About CLIx



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. The initiative has won UNESCO's prestigious 2017 King Hamad Bin Isa Al-Khalifa Prize, for the Use of Information and Communication Technology (ICT) in the field of Education.

CLIx incorporates thoughtful pedagogical design and leverages contemporary technology and online capabilities. Resources for students are in the areas of Mathematics, Sciences, Communicative English and Digital Literacy, designed to be interactive, foster collaboration and integrate values and 21st century skills. These are being offered to students of government secondary schools in Chhattisgarh, Mizoram, Rajasthan and Telangana in their regional languages and also released as Open Educational Resources (OERs).

Teacher Professional Development is available through professional communities of practice and the blended Post Graduate Certificate in Reflective Teaching with ICT. Through research and collaborations, CLIx seeks to nurture a vibrant ecosystem of partnerships and innovation to improve schooling for underserved communities.

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