



CLIX Newsletter | September 2017

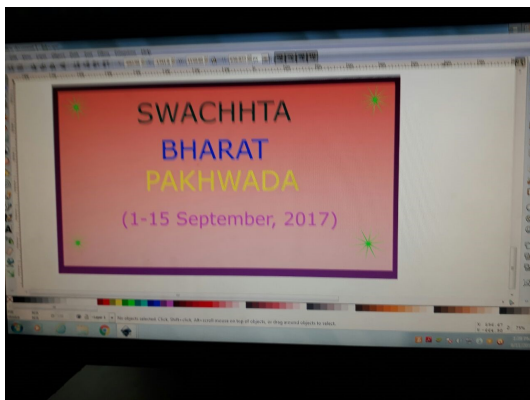
[View this email in your browser](#)

The Connected Learning Initiative (CLIX) is a collaborative initiative of the **TATA INSTITUTE OF SOCIAL SCIENCES, TATA TRUSTS and MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)**. It is a bold and innovative effort that aims to improve the quality of education accessed by secondary school students and teacher professional development.

(clix.tiss.edu)

Voices from the Field

From 1st-15th September, 2017 in Gorkha High School, Aizwal children and teachers used Inkscape, a design software introduced by CLIX to celebrate Swachhta Pakhwada as a part of Swatch Bharat campaign. Here's what they are saying about it...



Action plan for Swachhta Pakhwada is carried out with different activities like making posters, banners, writing slogans etc using chart papers, colours and using computer with the help of Inkscape.

Kusum Kumari, English Teacher, Gorkha High School, Mizoram.

We enjoyed doing it , we want more of such CLIX classes.

Hriatpuii, IX Std, Gorkha High School, Mizoram.

State updates for this month

Chhattisgarh

1. CLIX Orientation for 17 Jawahar Navodaya Vidyalayas (JNVs) principals (30.08.17)
2. Computer training for computer teachers for 17 JNVs (31.08.17-02.09.17)
3. CLIX server installation in 15 JNVs (18.09.17)

Rajasthan

1. Tata Trusts' visit to:
 - Jaipur (06.09.17- 08.09.17)
 - Sirohi (11.09.17-13.09.17)
- 2 TPD Face-to-Face Workshops in the following domains:
 - Science training (19.09.17 & 23.09.17)
 - Math training (23.09.17 & 25.09.17)
 - English (22.09.17 & 26.09.17)

Mizoram

1. Math Module roll out - 7 schools (03.09.17-08.09.17)
2. Student module roll out - 21 schools (05.09.17- 29.09.17)

Telangana

1. TPD Face-to-Face workshop in the following domains (06.09.17-16.09.17)
 - English Training @Rangareddy-101 Teachers
 - Science Training @Warangal-145 Teachers
 - Math Training @Karimnagar-163 Teachers

Blog of the month: CLIX Mathematics Teachers workshop (09.08.17-11.09.17)



A three-day mathematics teachers' workshop was organized in Sirohi, Rajasthan, from 9-11 August 2017. The workshop introduced teachers to the CLIX mathematics student modules and the course 'Reflective Mathematics Teaching'. The course has been designed to support teachers in their professional development. On the first day of the workshop, teachers were introduced to different units in the course..[Read more](#)

Connecting Technology

This section features the digital tools that have been created and are being used by the CLIX team to reinvent pedagogy for students and teachers. This month we feature the Ice Cube activity designed for understanding the concept of inverse variation through solving puzzle.



Ice Cube activity - This tool aims to have a discussion around the idea of constant of proportionality and comes as a sequel to direct and inverse variations. Ice cubes can be dragged and dropped in the glass so that the lemonade reaches the brim. The number of ice-cubes have to be counted and recorded by the students. In the next part of the activity when the size of the ice cubes becomes bigger, the number of ice cubes required to be dragged and dropped in the glass containing lemonade have to be recorded. Students can see that the number of ice cubes required to bring the lemonade to the brim is inversely proportional to the size of the ice cubes used when the size of the glass and lemonade

containing it is the same.

Connecting Research

This section features recent studies in the field of education published by our CLIX faculty who work in tandem with the Centre for Education, Innovation & Action Research (CEI&AR). This month we read [Amit Dhakulkar, G. Nagarjuna & Samir Dhurde's Measuring the mustard seed: an exercise in indirect measurement and mathematical modelling.](#)

As a first exercise for middle or high school students in indirect measurement using physical and mathematical modelling, we present here a simple task where students are asked to find the average diameter of mustard seeds. The resulting observations lead to a simple linear mathematical model which has an accessible physical basis in the real world. This simple task also provides a rich opportunity and a context for learning several topics in measurement, modelling, use of graphs and statistics. We present this as a template to be used for developing a series of activities for learning indirect measurements and physical and mathematical models.

Connecting Innovation

This section is for teachers, parents, mentors, and anybody who is looking for innovative ways of or content for learning and teaching. In the August edition of our newsletter this section erroneously featured Edwin Hubble, as the topic. The article was to read as follows:

Hubble Space Telescope: The Hubble Space Telescope (HST) was launched by National Aeronautics and Space Administration (NASA, USA) in 1990 and it is still operating. This Telescope orbits around the Earth and take pictures of different celestial objects such as asteroids, planets and galaxies. It is named after the astronomer Edwin Hubble

Edwin Hubble: Edwin Hubble was an American astronomer (born: 1889, died: 1953). Earlier it was believed that the universe consisted entirely of the Milky Way Galaxy. Hubble was the first to observe and identify galaxies outside our Milky Way Galaxy from a telescope on Mount Wilson in California in the early 1920s. He observed many galaxies and prepared a classification scheme for galaxies. He found that all the galaxies appear to be moving away from each other. Farther the galaxy, the faster it moves. This means that the universe is expanding. This is known as Hubble's Law. Hubble's law is arguably the most important pillar of cosmology. Recently, it was found that the universe is not only expanding, but it is accelerating (the rate of expansion is increasing), a discovery which received the Nobel Prize in Physics in 2011.

Hubble Space Telescope website: Since 1999, the leading Hubble outreach group in Europe has been the Hubble European Space Agency Information Centre (HEIC). It is one of the outreach programs of the European Space Agency (ESA).

Their website is a rich source of interesting images, videos and other material in astronomy. A series of short videos called 'Hubblecast' is an excellent resource.

To read on: <https://www.spacetelescope.org> All the images on the website are available for use without prior permission and without charge, unless explicitly stated otherwise. You must however include a credit - the credit required for each image or video is listed along with the caption.

Our recent posts

- **Assimilating Technology with Classroom Teaching: A Teacher Writes**

To address some of the needs and concerns raised by teachers, the English Team spent months ideating and developing new student modules for schools. A certification course — Communicative English Language Teaching — was also designed for the professional development of English teachers. All these efforts culminated in a three-day workshop held during 23–25 June 2017 for English teachers from 35 government schools in Raipur. [Read on](#)

- **Mizoram Face-to-Face Training**

Even at very short notice, the science team was ready for the science teachers workshop held in Mizoram on 9 August 2017. We were ready with all the printing material and the module on the CLIX platform. [Read on](#)

- **Enabling CLIX English Student Module Roll Out**

Leaving behind the Mumbai monsoon, we headed straight into the scorching heat of Jaipur to support the field team to initiate the CLIX English student module in schools. [Read on](#)

Opportunities

- [Applications to Non-faculty & Faculty positions are invited for the Connected Learning Initiative \(CLIX\) project of CEI&AR.](#)
- [The Teacher Pages Innovator Fellowship 2017-2018](#)
- [CLIX internships](#)
- [CLIX Faculty Fellowships 2016-2017](#)



The Connected Learning Initiative (CLix) is a partnership between the Tata Institute of Social Sciences (TISS), Massachusetts Institute of Technology (MIT) and Tata Trusts. It is a bold and innovative effort to improve the professional and academic prospects of high school 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 in the areas of English, Science, Mathematics and Values. As a platform for innovation in education, CLix also supports the professional development of in-service teachers, making substantial contributions to teacher education in Indian languages. The initiative aims to reach approximately 1,100 schools and 147,000 students in Chhattisgarh, Mizoram, Rajasthan and Telangana during 2015-18, and also conduct professional development for approximately 5,090 teachers.



Share



Tweet



Forward



© 2015-2016 TISS and MIT, [Creative Commons Attribution 4.0 International License](#).

Contact us :

+91 22 25525002/3/4 | clix.tiss.edu

Our mailing address is:

contact@clix.tiss.edu

Want to change how you receive these emails?

You can [update your preferences](#) or [unsubscribe from this list](#)