

# T4 India



## Background

The dot-EDU T4 India (Technology Tools for Teaching and Training - India) program uses technology tools to improve learning gains among hard-to-reach populations, with a particular emphasis on girls, and to empower teachers to follow improved pedagogical practices. The T4 program in India features appropriate technology, including interactive audio, video, and software learning tools, and innovative capacity-building efforts for teachers, administrators, and education officials. T4's goal is to improve the quality of education while fostering state-level systems that sustain the use of these tools.

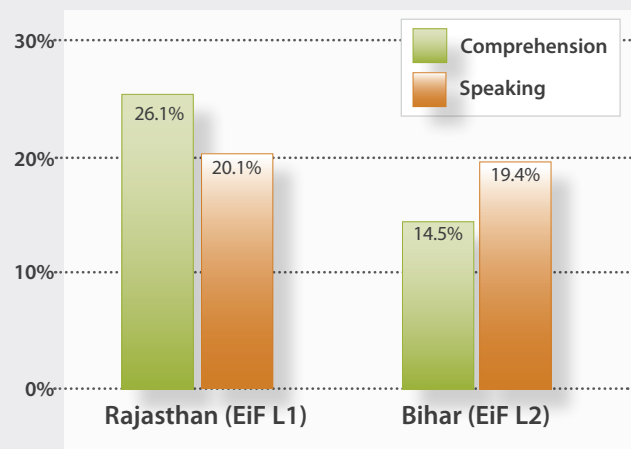


## Impact

### Quality Education at Scale: Reaching over 44 million students every day

- T4 provided quality education to **44,672,006 students** in **346,250 schools** across eight states in India.
- T4 leveraged **\$13 million USD** worth of in-kind contributions from the United States, UNICEF, and other partner agencies over the duration of the project.
- Over **1.2 million teachers** have been trained across all T4 interventions.
- Since 2004, data show that the English is Fun (EiF) Level 1 and Level 2 IRI series have a continued impact on student achievement. The graph below illustrates the learning gains made by students in Rajasthan and Bihar in the areas of comprehension and speaking during the 2009-10 academic year.

### Rajasthan (EiF L1), Bihar (EiF L2) Gain Scores: English Comprehension and Speaking (2009-10)





T4 results show that Interactive Radio Instruction (IRI) has the greatest impact for underserved students. IRI students regularly outperform non-IRI students (of the same caste) on tests.

## My Story

Mr. Srinivas was always a good teacher. Now he's a better one. He and 35 colleagues participated in EDC's Active Learning for Math and Science program, which equipped teachers with active learning methodologies.



After the first workshop, Mr. Srinivas designed an activity using these techniques to teach algebraic expressions. Then he tried it in his classroom.

To his surprise and delight, the students loved it. "In the beginning, I had lots of apprehension and fear whether these approaches would work," he says.

"Now I am confident. My students ask me to teach them using collaborative methods." And the students' reactions? "We do not fear our teacher now... we ask our friends when we don't understand something... we share and teach each other," are some of the more common responses. Mr. Srinivas says that students tell him they enjoy school now that they work with others instead of alone. And some who didn't come to school regularly now do so because they enjoy collaborative learning. Thanks to innovative teaching practices and training, T4 is changing the way teachers and students across India see education.

Visit the T4 website at: [idd.edc.org/T4India](http://idd.edc.org/T4India).



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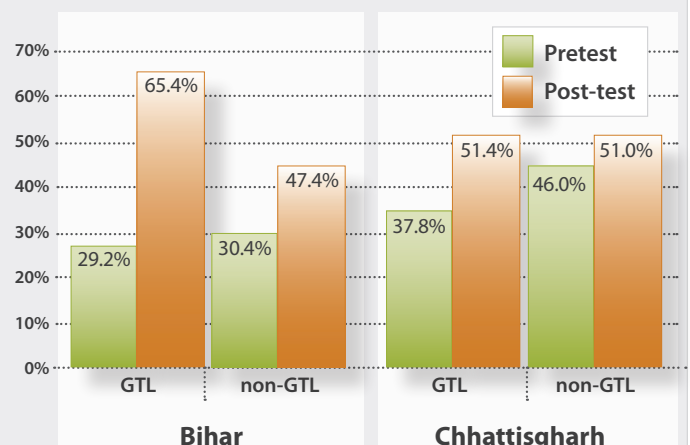
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## Innovation

The **Group Teaching and Learning (GTL) software** is just one of the innovative educational tools developed by T4. GTL brings teachers and students together to participate in cooperative learning activities using a single computer. Each package offers 10 hours of activities on key math and science topics, covering health and hygiene, physics, geometry, and environmental science, to enable students and teachers to explore difficult concepts in depth using rich, multimedia, flash-based tools, games, video, and audio content as well as paced assessments.

Learning gains for GTL students varied from 9 percentage points to as high as 17 points (depending on the state) over non-GTL students. Classroom observations also showed that teachers using GTL software were more likely to use student-centered practices and facilitate group activities than prior to exposure to the software.

**Impact of GTL Software on Student Learning:**  
*Fun with Geometry Pretest and Post-Test Percentage Correct*



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