

What is *Learning and Teaching with Learning Trajectories*—[LT]²?



- [LT]² is a web-based tool for early childhood educators to learn about how children think and learn about mathematics and how to teach mathematics to young children “their way” (birth to age 8).
- [LT]² allows teachers, caregivers, and parents to *see* the learning trajectories for math, as they view short video clips of classroom instruction and children working on math problems in a way that clearly reveals their thinking.

LT² is a new open-access tool for early mathematics educators, thanks to funding from the Heising-Simons Foundation and the Bill and Melinda Gates Foundation, plus decades of research conducted by professors Julie Sarama and Douglas H. Clements, Distinguished University Professor in the Morgridge College of Education. Creators of math curriculum, *Building Blocks*, they also designed Building Blocks Learning Trajectories (BBLT), a professional learning tool to help teachers implement effective and appropriate mathematics education for young children. Large-scale studies shows it works, as validated by the “What Works Clearinghouse” and praised on the cover of The New York Times and in the Wall Street Journal. Read about two teachers’ use of [LT]² – <https://bit.ly/2oQ1Yq4> & <https://bit.ly/2veu830>.

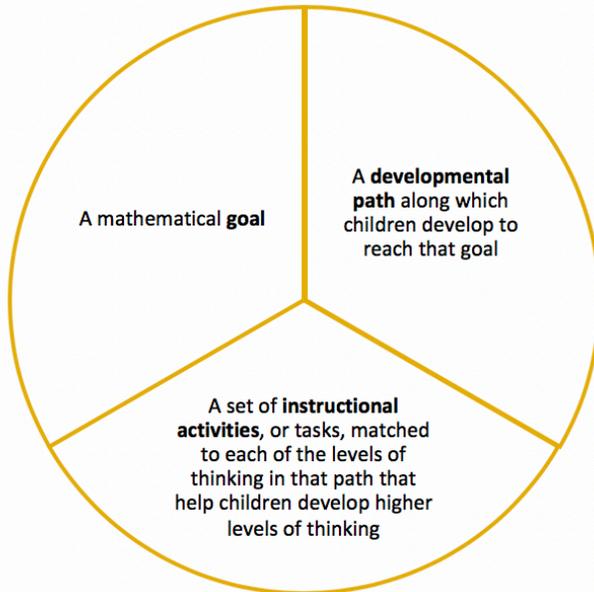
[LT]² runs on all technological platforms, addresses new ages—birth to age 8 years—and includes alignments with standards and assessments, as well as software for children. [LT]² enables teachers to help children find the mathematics in—and develop the mathematics from—their everyday activities, including art, stories, puzzles, and games. Go to LearningTrajectories.org.

If you would like a guidebook or have any questions, contact Douglas H. Clements, Douglas.Clements@du.edu, Julie Sarama, Julie.Sarama@du.edu, or Shannon Stark Guss Shannon.StarkGuss@du.edu, or call (303) 871-3895.

Please write us if you wish to contribute videos to [LT]²!

Learning and Teaching with Learning Trajectories [LT]²

What is a Learning Trajectory?



What does *Learning and Teaching with Learning Trajectories [LT]²* offer?

Learning Trajectories

19 total
 covering birth through age 8
 in the areas of Number, Operations and Algebraic Thinking, Geometry, Measurement and Data
 illustrative videos of children
 activities for small groups, whole class, and individual learners
 web-based games

Assessment and Standards Alignments

Teaching Strategies Gold (TSG)
 Common Core State Standards (CCSSM)
 New York Pre-K (NYPK)
 California Pre-K (CAPK)
 Head Start Early Learning Outcomes Framework (ELOF)
 Individual State Standards

Additional Resources

Track student progress
 Support English Learners
 Differentiate instruction
 View Professional Development guides and much more!

[LT]² Registered Users

Over 14.5K Total (2/19)

From all U.S. states and over 40 countries (6/18)

