



### Efficacy Study Quick Facts

- 828 total students in sixth and seventh grade from NJ, MO, and SC.
- 20 total teachers.
- Almost perfect 50/50 gender split.
- Mix of urban and suburban populations.
- 24-27% African American, Hispanic, or mixed race.

### About LearnBop

LearnBop is an interactive system for learning math that uses a unique step-by-step approach to allow students to learn from their mistakes in real time. Because every step is tagged with a mathematical concept, in-depth data is collected while students learn, allowing teachers to both differentiate instruction and save time.

# LearnBop Helps Students Achieve 7-9 Percentile Points More Growth in Mathematics

## Impressive Findings from New Study

A recent efficacy study found that LearnBop helped students achieve **7-9 percentile points more growth** on post-assessments in mathematics as compared to their peers.

## Study Design

The study was conducted by SEG Measurement, and included 828 students in sixth and seventh grade from diverse populations in New Jersey, Missouri, and South Carolina.

Students were divided into two groups, with one using LearnBop and the other not using LearnBop. All participants were given a pre-assessment at

the beginning of the study. After 16 weeks of instruction, students were given a post-assessment to evaluate how much their math knowledge had increased.

## Results

Students who used LearnBop achieved 7-9 percentile points more growth on post-assessments than their peers. As compared to average performance from 100 other studies, students who used LearnBop achieved 40-66% more growth than other students at the same grade levels.

## How Long Did It Take?

Students used LearnBop for **just one hour a week** for sixteen

**“We were so pleased with the results that we decided to deploy LearnBop district-wide.”**

- Dr. Pamela Haimer  
Assistant Sup't of Curriculum & Instruction  
Freehold Township School District, NJ



weeks to achieve significant learning gains.

### How Were the Results Accomplished?

LearnBop was designed to mimic a one-on-one tutoring session. When students submit an incorrect answer, they are led step-by-step through every prerequisite concept needed to understand the problem originally assigned.

Each step uses visuals, videos, hints, and suggestions to give students all the tools they need to find the answer on their own. Data on student knowledge gaps is collected while students learn, saving teachers hours from diagnostic implementation and analysis.

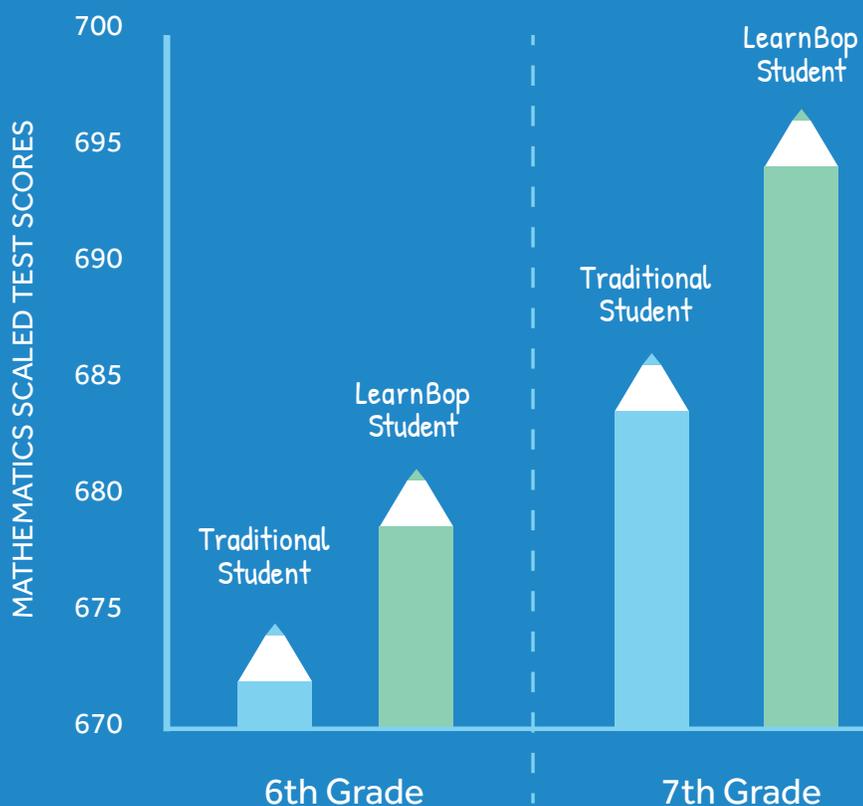
“Because every step in LearnBop’s interactive system is tagged with a specific state standard, vital data is collected while students learn,” said Dr. Charlene Marchese, the Supervisor of Mathematics for Freehold Township School District, in Freehold,

New Jersey, who participated in the efficacy study. “This data allows our teachers to know in real time where progress is being made against state standards. All of our students will benefit from this innovation.”

### How Do Math Teachers Use LearnBop?

The most common use case for teachers who participated in the study was to teach a concept from their syllabus, and then assign LearnBop as practice afterward to evaluate whether students had understood the lesson.

Since LearnBop’s step-by-step system addresses every prerequisite related to the problem assigned, students who run into trouble get immediate support in learning prerequisites, and teachers get immediate data to personalize instruction. LearnBop automatically identifies students who need interventions and recommends additional resources for them, saving teachers time while helping



What to learn more about how you can help your students achieve these results?

Schedule a demo now.

[go.learnbop.com/demo](https://go.learnbop.com/demo)