

## About the school

The J. Graham Brown School, usually called The Brown School, is a small public school with about 750 students in Kindergarten through 12th Grade in Louisville, KY. It is part of Jefferson County Public Schools (JCPS), and is consistently ranked among the top 10 Kentucky Schools.



## The Challenge

Brown School used the Quantile Framework to measure students' Math scores. These measurements were done twice a year. The results of the measurements highlighted several student performance issues and the administration felt corrective action had to be taken. These performance issues included

1. A percentage of the student population that was consistently falling behind their peers.
2. The gap between high-performing students and low-performing students widening at an ever increasing rate.

The school required a program that was designed to address the above mentioned issues and at the same time was user friendly enough for parents to use so that students could also practice at home.

### The J. Graham Brown School, needed a learning program that could

- Identify students' areas of weakness, and the areas students needed help with
- Assign lessons and practice to students, so they can focus and work on those concepts
- Allow students to work in an independent environment and personalize learning as per individual strengths and weaknesses
- Ensure that the students watched videos and completed their assignments, and keeps a record of student progress

## PracTutor Solution and Implementation

With these challenges in mind, The Brown School integrated PracTutor into its classrooms. Teachers began assigning daily practice assignments to their students. These practice sessions were based on students' areas of weakness, and were identified via diagnostic PracTutor Pre-tests.

Students started using PracTutor for practicing. If a student was unable to clear a concept, they were to use the embedded video lessons to clarify the concept. These videos helped students learn, and helped students apply their knowledge through practice.

As students progressed on PracTutor, a considerable improvement was observed. This helped the class progress as a whole, and helped teachers close the gaps. As the achievement gaps closed, it was observed that the parents got involved too. Additionally, it was observed that students began practicing at home too.

## Results Achieved

The table below highlights student progress across the year. It also lists their average scores across the year, and the growth achieved during the program. The growth numbers suggest that significant progress was made during the year.

Teacher Name	Grade	Total Students	Average PreTest Score	Average Score throughout the year	Growth
Cynthia Garwood	6	61	61%	85%	24%
Cynthia Garwood	7	26	28%	55%	27%
Jane Miles	6	8	37%	100%	63%
Jennifer Sydenstricker	5	56	54%	77%	23%
Lisa Billings	1	7	87%	90%	3%
Niecie La Rue	2	10	46%	81%	35%
Paula Broyles	8	16	18%	68%	50%
Samantha Priest	3	49	55%	80%	25%
Shelli Barber	1	8	57%	90%	33%
susan kolb	2	7	62%	60%	-2%
Susan McCoomer	4	52	48%	79%	31%
				<b>Average Growth</b>	<b>28%</b>

After a year of PracTutor usage, the school reported a phenomenal average rate of growth of 28% across all grades.

The Brown school was able to accomplish its goal of closing its achievement gaps, and was able to help its advanced students learn and practice more.

Moreover, the school was able to create a collaborative learning environment with parents, and resulted in students practicing at home too. This further aided the reduction of the gap between the high-performing and the low-performing students.

## The future

The Brown School plans to continue using PracTutor for years to come for its high-performing students as well to help its students learn at an advanced level. It plans to continue reducing the gap between their high-performing and low-performing students too.

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