



**KANMAS EDUCATIONAL SUPPORT CENTER, INC.**  
A LICENSED PRIVATE ACADEMIC SCHOOL

**Academic Support Plan**

**For**

**Comprehensive Academic Enrichment Support services for Maximum  
Academic success for Underserved Students**

## 2010 Progress Report

A progress report on average achievement of 45 immigrant students enrolled in Kanmas tutoring program under the NCLB on PA standard anchor in the eligible math content area shows that the students made significant improvement in math proficiency after 24 hours of tutoring. As shown in Figs 1-3, over 95% of these students in Pittsburgh school district made achievement level gain. The program was also able to increase the student motivation for high achievement and engagement with 37% and 49% proficiency achievement gain (difference between pre- and post proficiency) for middle (8<sup>th</sup> grade standard) and high school (11<sup>th</sup> grade standard) students, respectively. Similar progress has been demonstrated (Figs 5-7) in Kanmas Ohio (Cleveland) centers

Kanmas is a new kind of learning center with a mission very unique and different from others. Students are mentored to address their individual critical academic needs, strengthen skills in areas in which they are weak, improve and make use of their individual strengths to achieve proficiency in reading and math.

Table 1 below clearly indicates the PA standard (Last Column) that student is tutored on. Thus, a student's learning plan is based on state math and reading standards. Each student is assessed on both math and reading PSSA standards and the learning plan is customized based on the subject the student pre-scored the least or will benefit the most in.

Kanmas ESC ensures that KITS evidence-based tutoring strategies are aligned with the school curriculum and PA standard by:

1. Ensuring that (KITS) is aligned with the school curriculum content area through its pre-Cognitive Diagnostic Assessment (CDA) in Reading, Math administered at the beginning of the tutoring (grading) period to determine the student's competency level in each standard anchor. The assessment is based on BrainChild Reading, Math and Science PSSA curriculum.

- 2 Providing customized individualized Learning plan (Standard Achievement Goals, Objectives and Strategies for meeting standard) depending on the assessment and the culturally-relevant understanding of the students learning strategies.

3. Using differentiated learning plan starting at Below basic (Remediation), and advances to Basic developing knowledge Tutoring Support, Proficiency Support , and Advance/Acceleration depending on the student's pre-assessment;

4. The program content and tutorial plan are also aligned to district curriculum by using and basing all re-teach instructional activities from the recommended classroom Text books.

**Table 1: Typical Student Math Individualized Learning Plan for 9-11 Grade**

<b>Pre Test</b>	<b>Post Test</b>	<b>PA Number and Operations Standard</b>
✓ 80%	✓ 80%	<u>M11A.1.1 Equivalent Forms</u>
✓ 90%	✓ 100%	<u>M11A.1.1 Scientific Notation</u>
● 70%	✓ 90%	<u>M11A.1.3 Compare and Order</u>
● 40%	✓ 90%	<u>M11A.2.1 Ratios and Proportions</u>
✓ 80%	✓ 100%	<u>M11A.3.1 Order of Operations</u>
● 30%	✓ 100%	<u>M11A.3.2 Estimation</u>
● 70%	✓ 100%	<u>M11A.2.1 Percents</u>
✓ 80%	✓ 80%	<u>M11A.3 Add Fractions</u>
<b>Pre Test</b>	<b>Post Test</b>	<b>PA Measurement Standard</b>
● 10%	✓ 80%	<u>M11B.2.2 Surface Area</u>
● 0%	✓ 100%	<u>M11B.2.2 Circle Measurements</u>
● 40%	✓ 90%	<u>M11B.2.3 Parameter Changes</u>
● 0%	✓ 100%	<u>M11B.2.2 Conversions</u>
<b>Pre Test</b>	<b>Post Test</b>	<b>PA Geometry Standard</b>
✓ 80%	✓ 100%	<u>M11C.1.2 Complementary Angles</u>
● 50%	✓ 100%	<u>M11C.1.2 Geometric Properties</u>
● 70%	✓ 90%	<u>M11C.1.3 Similarity and Congruency</u>
● 70%	✓ 90%	<u>M11C.1.4 Pythagorean Theorem</u>
● 60%	✓ 100%	<u>M11C.1.3 Slopes</u>

Pre Test	Post Test	PA Algebra Standard
70%	90%	<u>M11D.1.1 Patterns</u>
50%	100%	<u>M11D.4.1 Graph Linear Equations</u>
70%	80%	<u>M11D.2.1 Expressions</u>
100%	90%	<u>M11D.2.1 Equations</u>
90%	100%	<u>M11D.2.1 Simultaneous Equations</u>
Pre Test	Post Test	PA Data and Probability Standard
40%	90%	<u>M11E.1.1 Graphs and Charts</u>
0%	80%	<u>M11E.2.1 Central Tendency</u>
30%	80%	<u>M11E.3.1 Probability</u>

Take Practice PSSA Test

**Mastery**  
(excellent performance)

**Proficient**  
(good performance)

**Not completed or not proficient.**

Your goal is to master all the lessons. First, choose a lesson. You must take a pretest first. If you get a you can try another lesson.

5. Supplementing and reinforcing the content behind the PA reading and math standard using Holt Enrichment/Intervention and Brain Child Reading/Math Learning activities on each standard anchor/topic; Using Holts Instructional activities as a supplement to the BrainChild software; step-by-step assistance is provided to each student to re-teach skills expected by school curriculum and state standard. Since each Brain Child activity is matched to specific objectives and state anchor in both Reading, Math, and Science state standards, students' competency levels and tutoring needs to achieve above AYP and state standards are met.

Table 2 below displays typical student pre- and post PSSA results that substantially show that each student is pre-tested and post-tested using a test plan that is based on state standard. We believe that Kansas provided substantial evidence that addressed Alignment with School Curriculum and PA Reading and Math standards.

Furthermore, Table 3 shows a summary of Kansas school-wide student achievement on each PA standard and Anchor based on Brain-Child average pre- and post-test results where 70% score in Brainchild PSSA Achiever's considered 'Proficient or good performance'. The results shows that on the average, Kansas SES students achieve proficiency in 88% of PA math standard

Table 2: Student pre- and post results from BrainChild PSSA Math Achiever

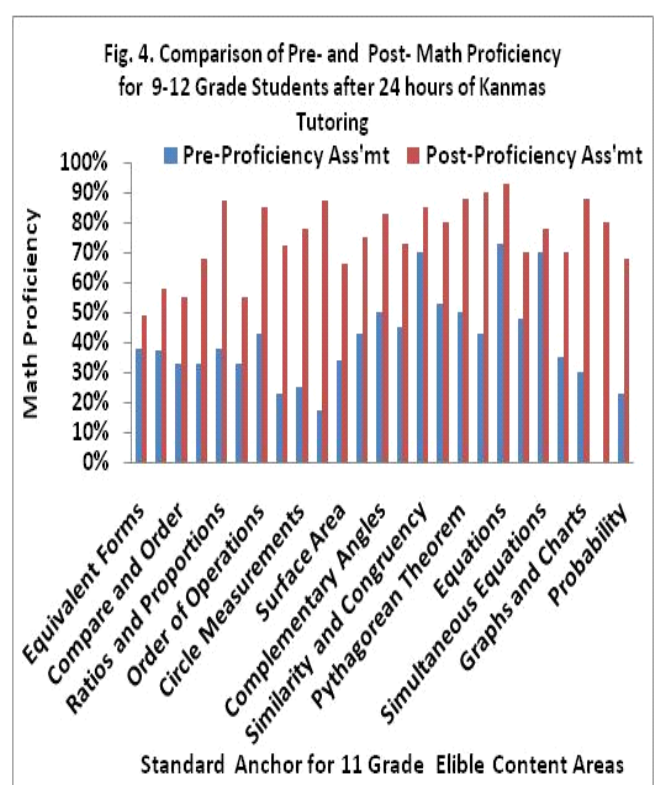
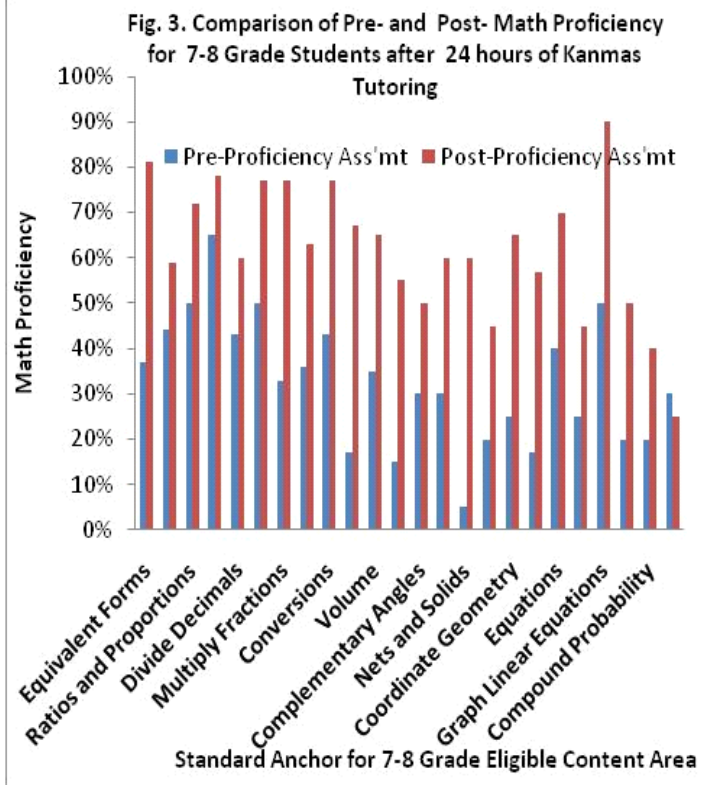
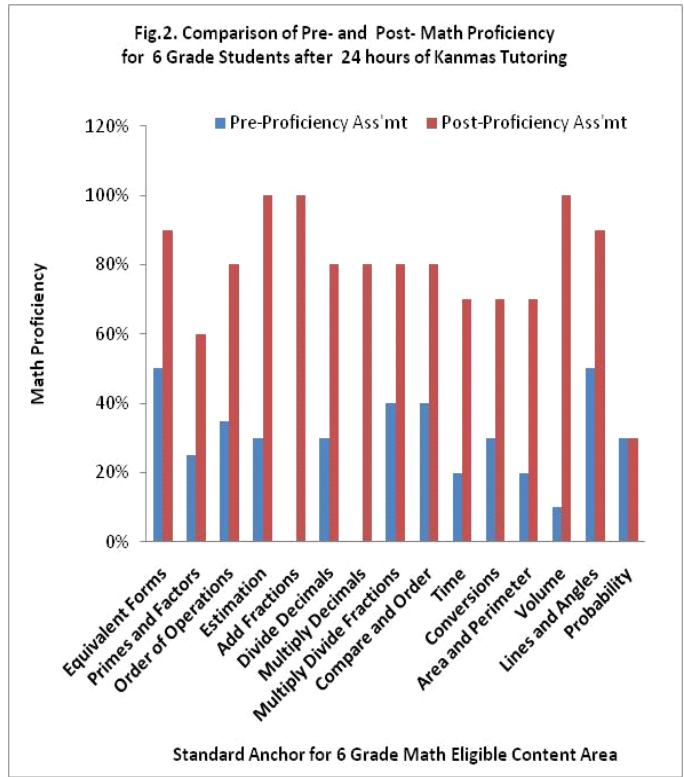
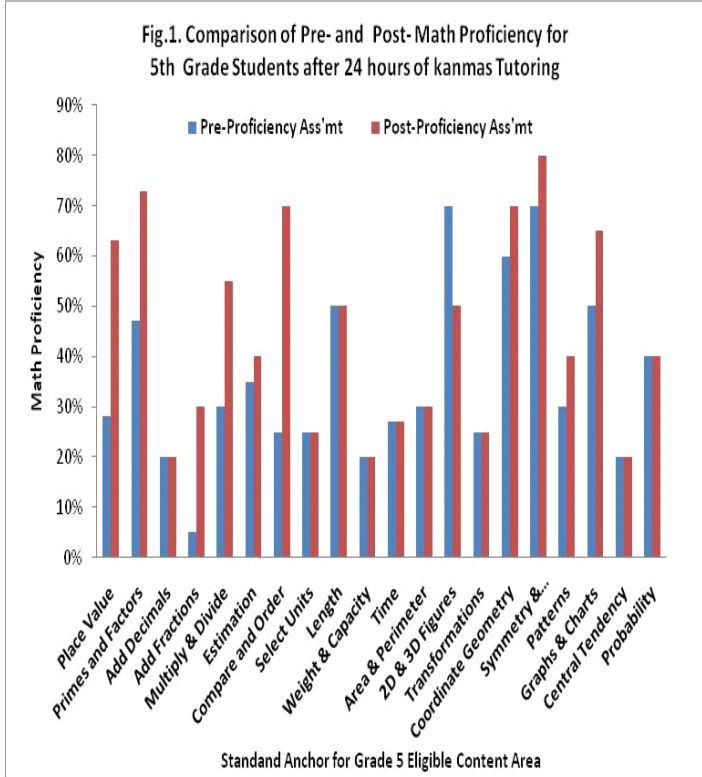
Teacher  Class  Student

Pre Test	
Data Analysis and Probability:	80%
Geometry and Spatial Sense:	80%
Measurement:	40%
Number Sense and Concepts:	40%
Operations:	40%
Patterns & Algebra :	80%
<b>Average:</b>	<b>60%</b>
<b>Date:</b>	<b>12/26/2009</b>

Post Test	
Data Analysis and Probability:	100%
Geometry and Spatial Sense:	80%
Measurement:	60%
Number Sense and Concepts:	100%
Operations:	100%
Patterns & Algebra :	100%
<b>Average:</b>	<b>90%</b>
<b>Date:</b>	<b>5/15/2010</b>

Table 3 Kanmas School-wide Standard Report (example: Grades 9-11)

School-Wide Standards Report		
Grade: <input type="text" value="Grade 11"/> Course: Math		
*Set your printer to LANDSCAPE to print reports. Today's Date: 7/23/2010		
State Standard	Avg. Pretests	Avg. Post Tests
M11A.1.1 Equivalent Forms	41%	66%
M11A.1.1 Scientific Notation	46%	79%
M11A.1.3 Compare and Order	43%	71%
M11A.2.1 Ratios and Proportions	39%	82%
M11A.3.1 Order of Operations	56%	88%
M11A.3.2 Estimation	37%	69%
M11A.2.1 Percents	54%	76%
M11A.3 Add Fractions	57%	82%
M11B.2.2 Surface Area	46%	74%
M11B.2.2 Circle Measurements	39%	75%
M11B.2.3 Parameter Changes	47%	80%
M11C.1.2 Complementary Angles	56%	77%
M11C.1.2 Geometric Properties	57%	71%
M11C.1.3 Similarity and Congruency	74%	88%
M11C.1.4 Pythagorean Theorem	72%	76%
M11C.1.3 Slopes	62%	79%
M11D.1.1 Patterns	46%	76%
M11D.4.1 Graph Linear Equations	68%	90%
M11D.2.1 Expressions	54%	68%
M11D.2.1 Equations	79%	95%
M11D.2.1 Simultaneous Equations	63%	85%
M11E.1.1 Graphs and Charts	38%	78%
M11E.2.1 Central Tendency	26%	82%
M11E.3.1 Probability	41%	80%
M11B.2.2 Conversions	23%	78%



**Fig. 5. Cleveland OH Comparison of 3rd Grade Average Pre-and Post-Reading Proficiency Assessments**

