

Instructional Improvement Plan 2006-2007 Math K-6

Goal: By 2008 90% of students will achieve a 3 or 4 on required SED K-6 math assessments.

Objective: By June 2007 70% of students K-6 will demonstrate mathematical proficiency (as defined by NYS Dept. of Ed.) by achieving a score of 80% or higher on local assessments or a score of 3 or 4 on state assessments. For students in grades 2-6 the local assessments will be unit tests.

Targeted Audience: K-6 Students and Teachers

Strategies/ Activities	Time	Partici- pants	Lead Person	Budget	Results of Strategy/ Activity	✓ prof dev.
<p>1. Teachers will utilize standards based questions to improve student performance on extended response problems.</p> <ul style="list-style-type: none"> ▪ Provide training for teachers in higher level questioning. ▪ Instruct students in grades 4-6 on a technical writing framework for organizing and sequencing explanations. ▪ Use journals (3-6) or dialogue (K-2) to record/discuss student answers and justifications ▪ Utilize existing rubrics to show students exemplary solutions. ▪ Include process as well as content strands in lessons. 	Paula Drake - Sept	K-6 teachers	Paula Drake	260 students, \$2.60 per notebook = \$676	Students will be able to self analyze and correct their work.	✓ Paula Drake Questioning ✓ Journal usage
	Ongoing	K-6 teachers and students	Classroom teacher		Student responses will be complete and correct with clear written explanations and sound mathematical procedures.	
	Ongoing	K-6 teachers	Classroom teacher		Teacher lesson plans will incorporate process strand activities and student work will show incorporation of process strands.	
	Ongoing	K-6 teachers	Classroom teacher			
	Ongoing	K-6 teachers	Classroom teacher			

Strategies/ Activities	Time	Partici- pants	Lead Person	Budget	Results of Strategy/ Activity	✓ prof dev.
<p>2. Incorporate test taking skills into math lessons.</p> <ul style="list-style-type: none"> ▪ Provide following directions activities for students. ▪ Practice restating and rewording problems. ▪ Utilize Paula Drake's 4 square problem solving model in grades 4-6. <p>3. Implement and utilize Impact Math activities.</p> <ul style="list-style-type: none"> ▪ Create and utilize center activities. ▪ Implement homework activities. <p>Implementation will include informing parents of the program and incorporating homework follow-up in lesson plans.</p> <ul style="list-style-type: none"> ▪ Incorporate instructional activities into unit lessons. 	<p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Ongoing</p> <p>Sept. parent letters</p> <p>Ongoing</p>	<p>K-6 students and teachers</p> <p>K-6 teachers</p> <p>K-6 teachers</p> <p>K-6 teachers</p>	<p>Classroom teachers</p> <p>Classroom teachers</p> <p>Letter by K. Gosh and M. Sennett Classroom teachers</p> <p>Classroom teachers</p>		<p>Students will be able to confidently approach, figure out, and correctly solve word problems.</p> <p>Students return rate of homework will improve.</p> <p>Parent involvement and understanding of the math program will increase.</p> <p>Students will demonstrate a positive approach to math.</p>	<p>✓ prof dev.</p> <p>✓ grade level meeting</p> <p>✓ grade level meeting</p>

Goal: By 2008 90% of students will achieve a 3 or 4 on required SED K-6 math assessments.

Objective: By June 2007 70% of students K-6 will demonstrate the understanding and appropriate use of the NYS grade level vocabulary by achieving a score of 80% or higher on local assessments or a score of 3 or 4 on state assessments. For students in grades 2-6 the local assessments will be unit tests.

Targeted Audience: K-6 Students and Teachers

Strategies/ Activities	Time	Partici- pants	Lead Person	Budget	Results of Strategy/ Activity	✓ prof dev.
1. Work with students and teachers to improve math vocabulary usage and understanding. <ul style="list-style-type: none"> ▪ Utilize NYSED vocabulary lists and glossary. ▪ Utilize Frayer model for generating student definitions. ▪ Create topic dictionaries. Grade K- 2 will develop a class dictionary and Grades 3 – 6 will develop an individual dictionary as part of their math notebook/journal. ▪ Create topic word walls with examples and/or graphics. 	Ongoing	K-6 teachers	Classroom teachers		Students will use the language of mathematics to correctly express ideas and answers.	✓ grade level meeting
	Ongoing	K-6 teachers	Classroom teachers			
	Ongoing	K-6 teachers and students	Classroom teachers		Students will demonstrate the ability to articulate and communicate their mathematical thinking orally and/or in journal writing.	
	Ongoing	K-6 teachers	Classroom teachers			

Milestones: By June 2007 70% of students K-6 will achieve a score of 80% or higher on local assessments. For students in grades 2-6 the local assessments will be unit tests.

Evaluations: By 2008 90% of students will achieve a 3 or 4 on required SED K-6 math assessments.