

Plan of Action – Math - Year 1 (2006-2007)

**Objective 2:** In 2006-2007, 10<sup>th</sup> grade students scoring at/above proficiency in Mathematics will increase from 36.5% to 42.9% as measured by the CAPT administered in Spring 2007.

**Strategy 1:** Create interdisciplinary activities across content areas that provide real world applications of math

Action Steps (Include all assessments, learning walks, grade or content team mtgs, SIP Data Team meetings, parent activities, quarterly progress reports, community forums, etc. in chronological order.)	Person (s) Responsible (Place in bold or underline the primary person responsible at the school level for each action step)	Timeline (Projected timeframe for completing action steps, as well as intermittent benchmark periods.)	Resources & Budget (Materials, grants, funds and other resources targeted to support the action step. Include technical assistance from LEA, CSDE, RESC, etc.)
1 <sup>st</sup> Quarter			
Instruction Action Step 2.1a: Develop interdisciplinary real world math application activities in collaboration with SLC content area teachers	Person Responsible: Miriam Morales-Taylor All APs ALL Classroom teachers Central Office Math staff CREC consultants	Sept-Nov 2006	Selected PD days for training and trained professionals to conduct workshops on: Cross curricular linking between math & other content areas CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants
Measures of Success Action Step 2.1b: Build teacher binder containing collection of activities	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Sept-Nov 2006	CDR/GB/Title I funds Time for SLC meetings Binders
Parental Involvement Action Step 2.1c Open House presentation for parents outlining skills & concepts to be covered quarterly	Miriam Morales-Taylor All APs ALL Classroom teachers Central Office Math staff CREC consultants Family Resource Aid Guidance staff	Sept-Nov 2006	Time to meet with parents Time for selected teachers/SLC Team Leaders to prepare presentation for parents CDR/GB/Title I funds Funding Central Office Math staff CREC consultants

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**Principal:** Miriam M. Taylor

**School Years:** 2006 – 2008

Revised August 1, 2006

Professional Development Action Step 2.1d: Training on Cross curricular linking between math and other content areas for all teachers	Person Responsible: Miriam Morales-Taylor All APs ALL Classroom teachers Central Office Math staff CREC consultants	Sept-Nov 2006	Selected PD days for training and trained professionals to conduct workshops on: Cross curricular linking between math & other content areas CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants
2 <sup>nd</sup> Quarter			
Instruction Action Step 2.1e: <u>ALL 1<sup>st</sup> Quarter Action Steps continue. In addition, the following will also be implemented:</u> Present and model real world math application activities for students	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Nov.- Feb.2007	Selected PD days for training and trained professionals to conduct workshops on: Modeling CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants
Measures of Success Action Step 2.1f: <ul style="list-style-type: none"><li>• Walk throughs focusing on Clear Expectations, Accountable Talk and Student Engagement</li><li>• Lesson plans</li><li>• Student portfolios</li><li>• Displays of student work</li></ul>	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Nov.- Feb.2007	CDR/GB/Title I funds Time
Parental Involvement Action Step 2.1g: During parent teacher conferences, SSTs, and PPTs student portfolios will be shared	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Nov.- Feb.2007	Time to meet with parents

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<p>Professional Development Action Step 2.1h: Training on Co-development of lesson plans between math and Special Ed teachers</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Sp. Ed. teachers Central Office Math staff CREC consultants</p>	<p>Nov.- Feb.2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>• Cross curricular linking between math &amp; other content areas</li> <li>• Modeling</li> <li>• Co-development of lesson plans between math and Special Ed teachers</li> </ul> <p>CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants</p>
3 <sup>rd</sup> Quarter			
<p>Instruction Action Step 2.1i: <u>ALL 1<sup>st</sup> Quarter and 2<sup>nd</sup> Quarter Action Steps continue. In addition, the following will also be implemented:</u></p> <p>Small cooperative groups of students solving real life application activities</p> <p>Introduction of rubric to begin creating real life application activities using the current curriculum</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Feb. – Apr. 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>• Cooperative grouping to maximize on-task behavior and student engagement</li> <li>• Cross curricular linking between math &amp; other content areas</li> <li>• Modeling</li> <li>• Co-development of lesson plans between math and Special Ed teachers</li> </ul> <p>CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants</p>
<p>Measures of Success Action Step2.1j: Walk throughs focusing on Clear Expectations and Accountable Talk Lesson plans Student portfolios Displays of student work</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Feb. – Apr. 2007</p>	<p>CDR/GB/Title I funds Time</p>

<p>Parental Involvement Action Step 2.1k: During parent teacher conferences, SSTs, and PPTs student portfolios will be shared</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Feb. – Apr. 2007</p>	<p>Time to meet with parents</p>
<p>Professional Development Action Step 2.1l: Training for teachers on cooperative grouping to maximize on-task behavior and student engagement</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Feb. – Apr. 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>• Cooperative grouping to maximize on-task behavior and student engagement</li> <li>• Cross curricular linking between math &amp; other content areas</li> <li>• Modeling</li> <li>• Co-development of lesson plans between math and Special Ed teachers</li> </ul> <p>CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants</p>
<p>4<sup>th</sup> Quarter</p>			
<p>Instruction Action Step 2.1m: <u>ALL 1<sup>st</sup> Quarter, 2<sup>nd</sup> Quarter and 3<sup>rd</sup> Quarter Action Steps continue. In addition, the following will also be implemented:</u> Students solving real life application activities independently using a rubric Students creating real life application activities independently using the current curriculum</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Apr. – June 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on: Cooperative grouping to maximize on-task behavior and student engagement CDR/GB/Title I funds Time Funding Central Office Math staff CREC consultants</p>
<p>Measures of Success Action Step 2.1n:</p> <ul style="list-style-type: none"> <li>• Walk throughs focusing on Clear Expectations , Accountable Talk and Student Engagement</li> <li>• Lesson plans</li> <li>• Student portfolios</li> <li>• Displays of student work</li> </ul>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Apr. – June 2007</p>	<p>CDR/GB/Title I funds Time</p>

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Parental Involvement Action Step 2.1o: During parent teacher conferences, SSTs, and PPTs student portfolios will be shared	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Apr. – June 2007	Time to meet with parents
Professional Development Action Step 2.1p: Continued training on cross curricular linking between math & other content areas and Cooperative grouping to maximize on-task behavior and student engagement for all teachers	Person Responsible: Miriam Morales-Taylor All APs ALL Classroom teachers Central Office Math staff CREC consultants	Apr. – June 2007	CDR/GB/Title I funds Time for SLC meetings Selected PD days for training and trained professionals to conduct workshops on: Cross curricular linking between math & other content areas Cooperative grouping to maximize on-task behavior and student engagement

**Plan of Action – Math -Year 1 (2006-2007)**

**Objective 2:** In the 2006-2007 school year, 10<sup>th</sup> grade students scoring at/above proficiency in Mathematics will increase from 36.5% to 42.9% as measured by the CAPT administered in Spring 2007.

**Strategy 2:** Improve basic math skills

Action Steps (Include all assessments, learning walks, grade or content team mtgs, SIP Data Team meetings, parent activities, quarterly progress reports, community forums, etc. in chronological order.)	Person (s) Responsible (Place in bold or underline the primary person responsible at the school level for each action step)	Timeline (Projected timeframe for completing action steps, as well as intermittent benchmark periods.)	Resources & Budget (Materials, grants, funds and other resources targeted to support the action step. Include technical assistance from LEA, CSDE, RESC, etc.)
1 <sup>st</sup> Quarter			
Instruction Action Step 2.2a: Administer Pretest to 9 <sup>th</sup> and 10 <sup>th</sup> graders to determine the area of strengths and weaknesses Develop a quarterly strategy plan for each student to address weaknesses (to be included in Student Portfolios)	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Sept-Nov 2006	Selected PD days for training and trained professionals to conduct workshops on: <ul style="list-style-type: none"> <li>Development of Quarterly Strategy Plans for individual students</li> <li>Analysis of Pretest scores</li> </ul> Central Office Math staff CREC consultants CDR/GB/Title I funds Funding

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<p>Measures of Success Action Step 2.2b:</p> <ul style="list-style-type: none"> <li>• Lesson plans</li> <li>• Student portfolios</li> <li>• Displays of student work</li> <li>• Math Pretest scores &amp; analysis</li> <li>• Student Quarterly Strategy Plans</li> </ul>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Sept-Nov 2006</p>	<p>CDR/GB/Title I funds Funding Time for teachers to analyze Pretest data</p>
<p>Parental Involvement Action Step 2.2c: During Open House student strategy plans will be presented to parents</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Selected teachers/SLC Leaders Central Office Math staff CREC consultants</p>	<p>Sept-Nov 2006</p>	<p>CDR/GB/Title I funds Funding Central Office Math staff CREC consultants Time for Selected teachers/SLC Leaders to prepare presentation for parents Central Office Math staff CREC consultants</p>
<p>Professional Development Action Step 2.2d: Training on the development of student Quarterly strategy plans to address weaknesses and the building &amp; maintaining of student portfolios</p>	<p>Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants</p>	<p>Sept-Nov 2006</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>• Development of Quarterly Strategy Plans for individual students</li> <li>• Analysis of Pretest scores</li> <li>• Building &amp; Maintaining student portfolios</li> </ul> <p>Central Office Math staff CREC consultants CDR/GB/Title I funds Time Funding</p>

2 <sup>nd</sup> Quarter			
<ul style="list-style-type: none"> <li>• Instruction Action Step 2.2e: : <u>ALL 1<sup>st</sup> Quarter Action Steps continue. In addition, the following will also be implemented:</u> The use of effective strategies for teaching reading in math classes including vocabulary, pre-reading strategies, rephrasing and predicting</li> </ul>	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Nov.- Feb.2007	Selected PD days for training and trained professionals to conduct workshops on: <ul style="list-style-type: none"> <li>• Using effective strategies for teaching reading in math classes including vocabulary, pre-reading strategies, rephrasing and predicting</li> </ul> Central Office Math staff CREC consultants CDR/GB/Title I funds Time Funding
Measures of Success Action Step2.2f: <ul style="list-style-type: none"> <li>• Walk throughs focusing on Clear Expectations, Accountable Talk and Student Engagement</li> <li>• Quarterly Test to determine student's progress of individual Quarterly strategy plans</li> <li>• Lesson plans</li> <li>• Student portfolios</li> </ul> Displays of student work	Person Responsible: Miriam Morales-Taylor All APs Math teachers Central Office Math staff CREC consultants	Nov.- Feb.2007	CDR/GB/Title I funds Funding Time
Parental Involvement Action Step 2.2g: List of skills being addressed will be published in a parent newsletter	Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Selected teachers/SLC Team Leaders Family Resource Aide Guidance counselors	Nov.- Feb.2007	Time for Selected teachers/SLC Leaders, Family Resource Aid and Guidance counselors to prepare newsletter for parents CDR/GB/Title I funds Funding
Professional Development Action Step 2.2h: Training on how to teach reading strategies effectively in a math class for teachers	Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers CREC consultants	Nov.- Feb.2007	Selected PD days for training and trained professionals to conduct workshops on: Teaching reading strategies in a math class Central Office Math staff CREC consultants CDR/GB/Title I funds Time

3 <sup>rd</sup> Quarter			
<p>Instruction Action Step 2.2i <u>ALL 1<sup>st</sup> Quarter and 2<sup>nd</sup> Quarter Action Steps continue. In addition, the following will also be implemented</u> Identify and Implement CAPT-like word problems that focus on the areas of weakness in the student Quarterly strategy plans</p>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers CREC consultants Family Resource Aide Guidance counselors</p>	<p>Feb. – Apr. 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>Identifying CAPT-like word problems which address the areas of need reflected in the student Quarterly strategy plans</li> <li>How to write a CAPT-like word problem to address a specific need</li> </ul> <p>Central Office Math staff CREC consultants CDR/GB/Title I funds Time Funding</p>
<p>Measures of Success Action Step 2.2j:</p> <ul style="list-style-type: none"> <li>Walk throughs focusing on Clear Expectations, Accountable Talk and Student Engagement</li> <li>Quarterly Test to determine progress towards strategy plan</li> <li>Lesson plans</li> <li>Student portfolios</li> <li>Displays of student work</li> </ul>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers CREC consultants</p>	<p>Feb. – Apr. 2007</p>	<p>CDR/GB/Title I funds Time</p>
<p>Parental Involvement Action Step 2.2k: During parent conferences, student portfolios will be shared Newsletter with sample CAPT-like word problems given to parents</p>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math Teachers Selected teachers/SLC Team Leaders Family Resource Aide Guidance counselors</p>	<p>Feb. – Apr. 2007</p>	<p>Time to meet with parents Time for Selected teachers/SLC Leaders, Family Resource Aid and Guidance counselors to prepare newsletter for parents Central Office Math staff CREC consultants CDR/GB/Title I funds Funding</p>
<p>Professional Development Action Step 2.2l: Training on identifying CAPT-like word problems which address the areas of need reflected in the student Quarterly strategy plans and how to write a CAPT-like word problem to address a specific need</p>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers</p>	<p>Feb. –r. 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>Identifying CAPT-like word problems which address the areas of need reflected in the student Quarterly strategy plans</li> <li>How to write a CAPT-like word problem to address a specific</li> </ul>

			<p>need</p> <p>Central Office Math staff</p> <p>CREC consultants</p> <p>CDR/GB/Title I funds</p> <p>Time</p> <p>Funding</p>
4 <sup>th</sup> Quarter			
<p>Instruction Action Step 2.2m: <u>ALL 1<sup>st</sup> Quarter, 2<sup>nd</sup> Quarter and 3<sup>rd</sup> Quarter Action Steps continue. In addition, the following will also be implemented:</u></p> <p>Express in writing:</p> <ul style="list-style-type: none"> <li>the steps to solve CAPT word problems</li> <li>the rationale behind the solution using a math graphic organizer</li> <li>Student scoring of CAPT-like word problems using the CAPT rubric</li> </ul>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers CREC consultants</p>	<p>Apr. – June 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>How to write a step by step explanation of a word problem solution</li> </ul> <p>Central Office Math staff CREC consultants CDR/GB/Title I funds Time Funding</p>
<p>Measures of Success Action Step 2.2n:</p> <ul style="list-style-type: none"> <li>Walk throughs focusing on Clear Expectations, Accountable Talk and Student Engagement</li> <li>Quarterly Test to determine progress towards strategy plan</li> <li>Lesson plans</li> <li>Student portfolios</li> <li>Displays of student work</li> </ul>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers CREC consultants</p>	<p>Apr. – June 2007</p>	<p>CDR/GB/Title I funds Time</p>
<p>Parental Involvement Action Step 2.2o During parent conferences, student portfolios will be shared Article in PTO newsletter sharing how to write a step by step explanation of a word problem solution, with example and how to score the problem using the CAPT rubric</p>	<p>Person Responsible: Miriam Morales-Taylor Math Teachers Selected teachers/SLC Team Leaders Family Resource Aide Guidance counselors</p>	<p>Apr. – June 2007</p>	<p>Time to meet with parents Time for Selected teachers/SLC Leaders, Family Resource Aid and Guidance counselors to prepare newsletter for parents Central Office Math staff CREC consultants CDR/GB/Title I funds Funding</p>
<p>Professional Development Action Step 2.2p Training on how to write a step by step explanation of a word problem solution and how to score math problems using the CAPT rubric</p>	<p>Person Responsible: Miriam Morales-Taylor APs Central Office Math staff Math teachers</p>	<p>Apr-June 2007</p>	<p>Selected PD days for training and trained professionals to conduct workshops on:</p> <ul style="list-style-type: none"> <li>How to write a step by step explanation of a word problem solution</li> </ul>

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	CREC consultants		<ul style="list-style-type: none"><li>• Holistic scoring using the CAPT rubric</li></ul> Central Office Math staff CREC consultants CDR/GB/Title I funds Time Funding
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