

**GOAL 2:** By June 2009, all students will increase in mathematics achievement and performance as evidenced by:

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
1. Prepare all 2008 MSA school groups to achieve proficiency on the MSA in order to make the AYP goal of <b>64.3%</b> or better in <b>mathematics</b> with a focus on the following subgroups: African-American, Hispanic, ELL, SPED and FARMS.	Coach practice booklets & tests Other MSA practice materials Spanish-speaking support personnel Textbook copies in Spanish FASTT Math	MSA practice tests Math Unit Assessments Math formative assessments (Analysis by sub-groups)	AEI/Math Content Specialists (CS) Math Teachers & Co-Teachers Instructional Data Assistant/IDA ESOL Teachers Resource Teacher, Special Education ----- MSA = Sept, Nov., Feb Formative & Summative Result Analysis - Ongoing
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
2. Accelerate at least 75% of 8 <sup>th</sup> grade students to enroll in Algebra or Honors Geometry and at least 50% of 6 <sup>th</sup> and 7 <sup>th</sup> grade students to enroll in accelerated classes, while supporting those students to be successful, as progress toward the MCPS goal of 80% successful completion of Algebra or higher by 2010.	Algebra Support Class Tutoring Sessions	Formative and unit assessments & final exams – analyzed by sub-groups Mid-semester tests Interim Grades Report Card Grades	AEI/Math CS Math teachers & Co-Teachers ----- Formative & Unit Assessment Deadlines Interim & Report Card Dates
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
3. Teach extension lessons/activities from the curriculum in all math classes in order to expose students to above grade level material.	Bulletin Board Challenge Problems  Curriculum Guides	Lesson plans Classwork/Homework/Pinnacle Extension lesson analysis Formal and informal observations Unit Tests Bulletin Board Problems	AEI/Math CS Math Teachers & Co-Teachers Administrators ----- Sept. thru May
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
4. Administer MSA Math Practice Tests to all students and analyze results to inform instruction.	MSA Coach testing materials MSA Practice Tests  Professional Development leave	MSA Math Practice Results	Testing Coordinator AEI/Math CS Math Teachers & Co-Teachers ----- <i>Sept. 15, 2008</i> <i>Nov. 17, 2008</i> <i>Feb 2, 2009</i>
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
5. Infuse rigorous questioning in math instruction in order to develop and enhance student conceptual understanding of mathematics in addition to procedural fluency.	PACE Model Curriculum Guides Sharing of Strategies for Critical Thinking Skill Development Staff Development Training	Lesson Plans Formal and informal observations Walk-throughs (peer, vertical, team, content) Analysis of Formative & Unit Assessment Results	Math Teachers AEI/Math CS Staff Development Teacher ----- Sept thru May
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
6. Differentiate content, process, and/or product to effectively work with diverse learners so that at least 80% of students are being successful in mathematics.	Instructional Strategy Sharing Staff Development Training	Department Meeting Agendas/ Notes SDT Training Notes/Minutes Cohort Meeting Minutes Classroom Observations <i>Walk-throughs</i> Assessment Results Report Card Grades	Math Teachers Co-teachers AEI/Math CS Staff Development Teacher ESOL Teachers Special Education Resource Teacher <hr/> Ongoing
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
7. Monitor and analyze student grades and performance assessments in order to determine interventions needed.	Performance Matters Instructional Management System (IMS) Data Warehouse SIMS Before/After School Tutoring Sessions	Department Meeting Minutes Cohort & Team Data Chats Minutes Formative and Unit Assessment Results Interim & Report Card Grades	Math Teachers & Co-Teachers Team Leaders AEI/Math Content Specialist ESOL Teachers Special Education Resource Teachers  Formative & Unit Assessment Dates Interim & Report Card Dates
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
8. Develop and monitor academic intervention plans for selected MSA focus students in order to ensure their success on the MSA.	File Maker Pro BEST Groups CORE Team	Kid Talks/Data Chats/AIP updates Team Meeting Notes Department/Cohort Meeting Notes Academic Intervention Plans	Grade level Teams Math Cohort Groups Including Special Educators Team Leaders AEI Math Content Specialist Resource Teacher Special Education ESOL Teachers CORE Team ----- Ongoing
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

Action Step/Objective/Timeline	Resources Needed	Monitoring Tools/Data Points (formative and summative)	Monitoring Dates/By Whom
9. Integrate Technology in classroom activities in order to enhance daily instruction.	Media center Computer labs Computers and laptops Active boards Graphing Calculators FASTT Math Math Software, Programs, & Websites (ex. math bits)	Lesson Plans Formal and Informal Observations Alignment with Federal Technology Standards	Math Teachers Co-Teachers Technology Content Specialist AEI Math Content Specialist Staff Development Teacher Administrators ----- Sept thru May
<b>Results (include evaluation of processes for effectiveness and efficiency)</b>			

