

Burning Tree ES Math Action Plan 2009-2010

Math Goals: By June 2010, students at Burning Tree will demonstrate increased academic achievement in math by:

- The percentage of students scoring advanced on MSA Math in grades 3-5 will be at or above 70%.
- The percentage of students scoring at or above the 70th percentile on the Terra Nova 2 in grade 2 will be at or above 65%.

Action Steps/ Objectives/ Processes Timeline	Person(s) Responsible	Resources Needed	Monitoring Tools or Data Points (Formative and Summative)	Monitoring: Date and By Whom	Results/Next Steps (Include Evaluation of Processes for Effectiveness and Efficiency)
Data Analysis & Instructional Planning					
Work in collaborative cross grade math teams, to determine student math course placement.	Math Teachers Principal SDT	MSA, TN2, Math unit assessment data MCPS course completion guidelines	Math monitoring tool	August 2009 *** Principal SDT	
Monitor student placement during Unit 1. Make adjustments in placement prior to the start of Unit 2.	Math Teachers Principal SDT	Unit 1 Formative Assessment data	Formative assessments Teacher anecdotal notes	October/November 2009 *** Math teachers	
Math course collaborative teams (CTT) will meet monthly enabling cross grade math teams to: reflect on instructional best practices, analyze student work, and analyze student data.	Math Teachers Principal SDT	Student work Formative assessments Unit assessment data	Meeting notes Lesson reflections Student data (formative and unit assessments)	Monthly *** Team leaders Principal SDT	
Use myMCPS data monitoring tools to analyze unit assessment data after each unit to identify areas for reteaching and acceleration.	Math Teachers Principal SDT	myMCPS Unit assessment data	Data monitoring tool focusing on reteaching and accelerated differentiated instruction	Ongoing *** Math teachers	
Use the collaborative problem	Math	Student data	Collaborative Problem	Ongoing	

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solving process to develop classroom intervention plans for students not meeting standard.	Teachers Principal SDT		Solving Documentation of Intervention form	*** Monthly data monitoring Math teachers	
Participate in data chats to focus on teacher and student level data.	Math teachers Principal	Data	Meeting notes/goals	Ongoing *** Principal	
Student Interventions					
Implement Fastt Math intervention program for grade 4 and 5 students below standard in computation. Use a fact family program for students below standard in computation in grades 2 and 3.	Math Teachers SDT	Fastt Math program Fact family materials	Fastt Math progress monitoring Student progress monitoring data-fact families	Ongoing *** Monthly monitoring Math teachers SDT	
Host Math Builders, a number sense support program for students at risk in math based on standardized test and unit assessment data	Teachers TBD	Math activities Manipulatives	Attendance Analysis of student work	December 2009 *** Teachers TBD	
Host Math Explorers, a mathematical thinking and problem solving enrichment program	Teachers TBD	Math activities Manipulatives	Attendance Analysis of student work	February 2009 *** Teachers TBD	
Staff Development					
Conduct myMCPS training on accessing and using unit assessments data to inform differentiated instruction.	SDT	myMCPS Unit assessment data	Attendance Handouts	September 2009 *** SDT	
Conduct training in the use of the	Sookhee	Promethean	Attendance	October 27, 2009	

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Promethean Board and other technology to enhance math instruction	Plotkin, IT Consultant Technology committee	Board Math software programs	Handouts Evaluation	*** Other dates TBD IT Consultant Technology Committee Chair	
Conduct math course team training that addresses grade level math indicators and their alignment with TN2 and MSA.	SDT Principal	Unit math indicators Math VSC	Meeting notes Capture sheets	December 2009 Math CTT Meetings *** SDT Principal	
Materials					
Provide supplemental math unit materials, common formative assessments and planning calendars.	SDT	Math unit materials Formative assessments Planning Calendars	Materials	Ongoing *** SDT	
Provide VSC toolkit and other available materials for MSA and TN2 review.	SDT	Math VSC Toolkit	Materials	January 2010 *** SDT	
Parent Involvement/Communication					
Host a parent coffee focused on critical questioning and problem solving processes in math. Gather feedback from parents regarding the success of accelerated math classes.	Principal SDT 1 st grade math teacher	Critical questioning and problem solving process handouts Math manipulatives	Meeting notes Parent feedback	October 2009 *** Principal 1 st and 5 th grade math teacher	

