

**Pocomoke Middle School  
Academic Action Plan  
*Math*  
2010/2011 – 2017/2018**

**Objective: By the year 2017-18, Pocomoke Middle School students will demonstrate improved academic performance, with no difference attributable to race, gender, FARM, special education, 504, or LEP status**

Activity or Action Step	Person(s)/ Group(s) Responsible	Timeline for Completion	Resources Needed	Evaluation/ Indicators of Success	Status of Progress	Standards
<b>A. Math Norms</b>						
1. Review math norms and revise as needed	Curriculum Planner Instructional Coaches Math Teachers	June (Annually)	Time	Revised Checklists	Last revision June 2010	3, 8
2. Continue use of math norms by all teachers	Curriculum Planner Instructional Coaches Math Teachers	Aug. – June (Annually)	Time	Demonstrated use of checklists by classroom teachers	Ongoing	8
3. Provide all students a math glossary for daily use in class (Gr.6-8)	Math Implementation Team Instructional Coach Grade level teams	Aug. - June (Annually)	Time Personnel Materials	Demonstrated use of glossaries by students	Last distributed Sept. 2010	8
4. Disseminate “My Math Tracking Sheet” checklist based on MSA Math standards. All students will have this checklist	Instructional Coach Grade level teams	August (Annually)	Time VSC Materials	Successful distribution of tracking sheets	Last distributed Sept. 2010	8

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
5. Meet with grade level teams to analyze various data sources (SuccessMaker Lab (grades 4&5), CTBS (grades 4&6), MSA, County benchmark assessments (Grades 4-8)	Curriculum Planner Instructional Coach Grade level teams	Aug-June (Annually)	Time Data Team Meetings	Team Minutes	Ongoing	9
<b>B. Instruction</b>						
1. Identify students' instructional level in math based on assessment data	Curriculum Planner Instructional Coach Grade level teams	Aug. – June Quarterly (Annually)	Time Assessment Data	Plans for Success Benchmark Assessments	Ongoing	9
2. Differentiate instruction in the math classroom based on classroom formative assessments, county benchmark assessments, and MSA	Instructional Coach Classroom Teachers	Aug.- June As necessary (Annually)	Instructional Materials	Student improvement on subsequent assessments	Ongoing	8
3. Students in grades 4,5,6,7,8 will complete two Constructed Responses a week and touch a CR every school day	Curriculum Planner Instructional Coach Classroom Teachers	Aug. – June (Weekly)	Time	Student work folders Demonstrated through informal observations	Ongoing	8
4. Create weekly classroom formative assessments to effectively select students for remediation/enrichment	Instructional Coach Math Teachers	Aug. 2010 – June 2011	Personnel Time	Completed formative assessments	Ongoing	9

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
5. Revise/update unit assessments in MSA format	Instructional Coach Math Teachers	Aug. – June (Annually)	Time Curriculum	Completed formative assessments	Ongoing	9
6. Develop unit assessments in Mod-MSA format in Gr. 4-8	Curriculum Planner Instructional Coach Math teachers and Sp.Ed. Teachers	Aug. 2010 – June 2011	Time Materials	Completed formative and unit assessments	Ongoing	9
7. Teachers will provide timely feedback of student work through scores/grades, written comments, conferences, and/or reflections	Math Teachers Instructional Coach	Aug. 2010- June 2011	Personnel Time	Gradebooks Student work folders Classroom informal observations	Ongoing	8, 9
8. Include an essential question of the day as a class summary activity	Instructional Coach Math Teachers	Aug. 2010- June 2011	Time Schedules Personnel	Demonstrated student improvement in math class	Ongoing	8
9. Administer county math benchmark assessments in grades 4 – 8	Curriculum Planner Instructional Coach Math Teachers	See District Testing Calendar (Annually)	Test Materials Pencils	Assessment results	Ongoing	9
10. Analyze results of county math benchmark assessments in grades 4-8	Principal Curriculum Planner Instructional Coach Math Teachers	2 weeks following assessments	Edusoft scores Time	Completed Reflections	Ongoing	9

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
11. Review Special Education inclusion practices in the area of math	Curriculum Planner Special Education Teachers Grade Level Teams	Sept. – June (Annually)	Meeting Time	Demonstrated improved inclusion practices	Ongoing	3, 8, 9, 10
<b>C. Intervention</b>						
1. Create a remediation plan based on reflection of benchmark assessment scores	Math Teachers	2 weeks following assessments	Time Materials	Completed Plan	Ongoing	8, 9
2. Continue to develop and update <i>Plans for Success</i> , for students who score basic or are on the bubble (15 points above basic) on the MSA in the area of math	Grade level teams	Aug. –June Quarterly (Annually)	Time Plans for Success	Plan for Success	Ongoing	9
3. Provide intervention for students who are working below grade level and/or score basic on the MSA in math Interventions such as: pull out; small group intervention; Study Island (Gr.5-8); Bridge to Algebra (Gr.7-8); after school remediation; increased parental contact	Curriculum Planner Instructional Coach Grade level teams Extended School Administrator Math Teachers	Aug. – June (Annually)	Time Materials Labs Site Licenses	Successful implementation of Plans for Success	Ongoing	8

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
4. Continue 4th and 5th grade math tutoring sessions in the after school academies	Extended School Administrator 4th and 5th grade Teachers	Sept. - May (Annually)	Staff Materials Funds	Demonstrated student improvement on math skills and applications	Ongoing	4, 8
5. Increase math period in grades 4 and 5 from 60 minutes to 90 minutes.	Principal 4 <sup>th</sup> and 5 <sup>th</sup> grade Teachers Instructional Coach	Sept. - June (Annually)	Time	Demonstrated student improvement on math skills and applications	Ongoing	4, 8
<b>D. Enrichment</b>						
1. Provide enriched instruction to students found to be working at or above grade level during the regular school day (GT for grades 4/5; differentiated instruction for all grades by classroom teachers)	Instructional Coach GT Teachers Grade level teams Math Teachers	Aug. – June Daily (Annually)	Instructional Materials Time for Planning	Demonstrated use through informal classroom observations	Ongoing	8
2. Provide 7th grade Algebra I class for advanced students	Principal Instructional Coach 7th grade Math Teachers	Aug. 2010- June 2011	Personnel Time Materials	Class enrollment MSA scores	Summer 2010	8

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
3. Provide 8th grade Algebra II class for advanced students	Principal Instructional Coach 8th grade Math Teachers	Aug. 2010- June 2011	Personnel Time Materials	Class enrollment MSA scores	Summer 2010	8
4. Provide Summer School Academies for remediation/enrichment in Grades 4-8	Extended School Administrator Teachers Educational Assistants	June – July (Annually)	Time Funds Materials Personnel	Summer School Academies enrollment	Ongoing	8
5. Organize and implement enrichment periods for students in grades 6 -8 in the areas of math and science	Principal Instructional Coaches Grade Level Teams	August – June 2010 – 2011	Time Materials Personnel	Completed schedules	Summer 2010	8
6. Increase math period in grades 4 and 5 from 60 minutes to 90 minutes.	Principal 4 <sup>th</sup> and 5 <sup>th</sup> grade Teachers Instructional Coach	Sept. - June (Annually)	Time	Demonstrated student advancement on math skills and applications	Ongoing	4, 8
<b>E. Technology</b>						
1. Schedule students in grades 4 and 5 for at least 60 minutes a week in the SuccessMaker Lab	Principal Curriculum Planner Instructional Coach	May (Annually)	Time	Schedules	Summer 2010	8, 12
2. Monitor students' success in grades 4 and 5 in SuccessMaker Lab with weekly progress reports and conference with students when	SuccessMaker Manager Math Teachers Instructional	Weekly Beginning in Oct. (Annually)	Time Success-Maker Lab Reports	Weekly Reports	Ongoing	12

Activity or Action Step	Person(s)/ Group(s) Responsible	Timeline for Completion	Resources Needed	Evaluation/ Indicators of Success	Status of Progress	Standards
necessary	Coach					
3. Continue <i>Bridge to Algebra</i> software program in grades 7 and 8	Principal Central Office Staff Instructional Coach 7th/8th Grade Math and Spec. Ed. Teachers	Aug.- June (Annually)	Time Materials Funds Computers	Assessment results	Ongoing	8, 12
4. Continue to provide <i>Study Island</i> for entire school population during and after school academies	Math Implementation Team Instructional Coach Grade level teams	Aug. - June (Annually)	Time Site License Computers	Demonstrated student improvement in math class	Ongoing	8, 12
5. Schedule targeted 5th and 6th grade students for monitored practice/remediation using <i>Study Island</i> during homeroom	Instructional Coach Educational Assistant	Aug. 2010- June 2011	Time Site License Funds for prizes	Study Island score reports	Sept 2010	8, 12
6. Continue to review new math software/ online activities	Math Implementation Team	Aug.- June (Annually)	Time Computer software	Alignment of software/ online activities/ with math VSC	Ongoing	12

**F. Integration/Activities**

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
1. All math teachers will provide at least one arts integration activity per quarter	Arts Specialist Instructional Coach Math Teachers	Aug. – June (Annually)	Time Schedules Personnel	Teacher plans	Ongoing	8
2. Middle School math classes will include at least one math interactive hands-on activity weekly that reinforces the current scope and sequence of the VSC	Instructional Coach Math Teachers	Aug. – June (Annually)	Time Schedules Personnel	Teacher plans	Ongoing	8
3. All special area teachers will integrate a math lesson each quarter	Instructional Coach Special Area Teachers	Aug. 2010 – June 2011 (Quarterly)	Personnel Time	Teacher plans	Ongoing	8
4. Have special area and other content area teachers post math objective when their lesson correlates with math	Teachers	Aug. 2010 – June 2011	Time	Posted objectives	Ongoing	8
5. Math teachers will be involved with vertical teaming weekly	Principal Instructional Coach Math Teachers	Aug. - June (Weekly)	Personnel Time	Team Agendas	Ongoing	3, 8
6. Organize and host “Math Night”	Instructional Coach Math Teachers	Fall 2011	Time Funds Planned Activities	Completion of and attendance at Math Night		11

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
7. Complete a Math Scenes Investigation (MSI) problem weekly	Instructional Coach Math Teachers	Aug. – June (Weekly)	Time	MSI notebook	Ongoing	8
8. Continue Math Scenes Investigations (MSI) on PMS morning announcements	Instructional Coach	Aug. – June (Weekly)	Time Announcer Funds for prizes Posted Problems	Feedback on announcements	Ongoing	8
9. Display weekly math vocabulary as a visual display in each classroom	Instructional Coach Math Teachers	Aug. 2010 -June 2011	Time Materials	Dated record of displays	Ongoing	8
<b>G. Long Range Goals</b>						
1. Explore strategies to continue to decrease the achievement gap for African-American students	Principal Instructional Coach Math teachers	Aug. 2010 - June 2013	Personnel Time	Team minutes		3
2. Continue to explore ways to utilize community resources	Math Implementation Team	Aug. – June (Annually)	Time	Successful inclusion of community resources into school based projects		3
3. Investigate ways to provide math intervention courses into the regular school day schedule	Principal Instructional Coach	Aug. – June (Annually)	Time Schedules Personnel	Reorganized schedule		8

<b>Activity or Action Step</b>	<b>Person(s)/ Group(s) Responsible</b>	<b>Timeline for Completion</b>	<b>Resources Needed</b>	<b>Evaluation/ Indicators of Success</b>	<b>Status of Progress</b>	<b>Standards</b>
4. Implement DigiBlocks program in grades 4-5.	Superintendent Board of Education	Aug. 2011-June 2012	Time Funds for DigiBlocks Training for teachers	Successful use in classrooms		8
5. Provide Smart Boards and appropriate software for each math classroom	Superintendent Board of Education	Aug. 2012	Funds Teacher Training	Technology provided		4, 12
6. Train teachers in Core Content Standards	Principal Central Office Staff Instructional Coach	Aug. 2010 – June 2014	Inservice time Materials	Inservice schedules		3, 8
7. Implement Mathematics Core Content Standards	Instructional Coach Math Teachers	Aug. 2014 – June 2015	Scope and Sequence Materials	Teacher plans Formal and informal classroom Observations		3, 8