INDICATOR: Math Achievement

DURATION OF THE PLAN: Begins April, 2010 to June, 2014

MEASURE	METRIC	TARGET
Increasing students successfully passing grade level math concepts and objectives of AIMS.	**% of students successfully passing AIMS.**	**AIMS scores will increase 3% or More each year for 4 years to meet and/or exceed AZ current passing rate.**

STRATEGY I: Increase and enrich student math academic time on task

Action Steps	Timeline	Responsible Party	Evidence of Meeting Action Steps	Budget
1. Professional development on identified models "Understanding by Design" Wiggins and McTighe and Madeline Hunter's "Essential Elements of Instruction," and Fred Jones "Tools for Teaching.	Summer 2010	TPO (The Principal's Office) Head of School Teachers	1. Teachers will certify attendance for professional development of the approved models for instructional planning in ESC Teacher Passport.	2 day $1600 PMP Budget Cost
2. Revise curriculum map incorporating the new Math adoption Holt /Harcourt Math System® and to include approved models and provide training on PLC skills.	Summer 2010/ On-going	Head of School Teachers PLC	2. Staff will share revised current curriculum maps to at PLC meeting.	No extra cost
3. Coaching to develop lesson plan book using revised curriculum map.	2010/2011 School year/ On-going	Head of School Teachers	3. Teachers will use approved models as evidenced in the lesson plans evaluated by Head of School	No extra cost

4. Weekly PLC collaboration focusing on continuous student progress.	2010/2011 School year/ Weekly On-going	Head of School Teachers	4. Goals and outcomes agenda of PLC meeting with documentation.	No extra cost
5. Professional Development on use of Instructional Delivery Toolbox: o Fred Jones "Tools for Teaching" o Benjamin Blooms "Higher Order Thinking Skills" o Howard Gardner's "Multiple Intelligences"	Summer 2010	TPO (The Principal's Office) Head of School Teachers	5. Teachers will receive a certificate of attendance for professional development of the approved models for instructional planning	TPO PD $1600 PMP budget cost
6. Coaching of improved lesson planning to include instructional delivery toolbox.	2010/2011 School year/ On-going	Head of School Teachers	6. Teachers will use approved models as evidenced in the lesson plans evaluated by Head of School	No extra cost
7. Develop and use Classroom Data Walk form and Call to Action form that identifies daily teacher performance activities.	2010/2011 School year/ On-going/daily and weekly	Head of School Teachers	7. Head of School will use progress monitoring data rating daily/weekly observations on teacher performance and will provide data to teacher.	No extra cost
8. Revise and improve strategies to implement: Renaissance Learning STAR Math testing to identify and develop cohorts based on student performance ability.	2010/2011 School year/ On-going	Teachers Head of School	8. Teachers will identify student cohorts and use monthly data to revise and improve strategies per individual performance ability and written in lesson plan book.	No extra cost
9. Staff development and coaching of school wide implementation of strategies from Renaissance Learning Program STAR Math.	2010/2011 School year/ On-going	Head of School Teachers	9. Teachers will demonstrate integration of the strategies observable in the classroom and in lesson plan book.	No extra cost

10. Develop tracking sheet for monitoring student cohorts and adjust on-going student progress.	2010/2011 School year/ On-going	Teachers PLC Head of School	10. Completed tracking sheets will be reviewed with PLC after each benchmark testing period.	No extra cost
11. On-going coaching and staff development to increase instructional engagement through the effective use of management systems. o Classroom management o Behavior management	2010/2011 School year/ On-going	TPO (The Principal's Office) Teachers Head of School	11. Teachers will certify attendance of professional development in the approved models for management systems in the ESC Teacher Passport.	Included in cost listed above
12. Professional development on: Holt/Harcourt Math System® 3rd through 8th grade teachers and Saxon Primary Math System for K through 2nd teachers.	2010/2011 School year/ On-going	Holt/Harcourt Math Representative Internal Expert Teachers Head of School	12. Teachers will certify attendance of professional development of the Harcourt/Holt Math System and/or Saxon Primary Math System in ESC Teacher Passport.	$1000 PMP Budget cost
13. Monitor and document the implementation Holt/Harcourt Math System®.	2010/2011 School year/ On-going	Teachers PLC Head of School	13. PLC focus meeting on implementation with documentation with success strategies and areas of needed in-service.	No extra cost

STRATEGY II: Implement benchmark testing for all students.

Action Steps	Timeline	Responsible Party	Evidence of Meeting Action Steps	Budget
1. Use previous AIMS, STAR Math, and AIMSweb assessments to determine student cohorts based on ability level as identified by their scores.	Summer 2010/ On-going	Teachers Head of School	1. Documentation of each student's level will be in place 2 weeks after the start of school.	Cost of software included in regular instructional budget. No extra cost
2. Identify students using AIMS and a III Tiered model Performance Model: Tier I (meets/exceeds), Tier II (Approaches) and Tier III (Falls Far Below).	Summer 2010/ School years 2010/2011 2011/2012 2012/2013 2013/2014	Teachers Head of School PLC	2. Classroom teacher will determine tier for each student and provide copies for PLC.	No extra cost
3. PLC will analyze testing data to develop grade level cohorts using the 3 tier placement 2 weeks after the start of school.	2010/2011 School year	Teachers PLC Head of School	3. PLC will provide copies for teacher and Head of School of grade level cohorts.	No extra cost
4. Use benchmarks to monitor and adjust progress through monthly data collection of administered testing STAR, CRTs, Holt Exam View® (6th -8th) and Harcourt Online assessment® (3rd - 5th) and other normative instruments.	2010/2011 School year/ On-going Monthly	Teachers Head of School PLC	4. The Head of School will review data to determine progress, monitor and adjust with PLC team on a monthly basis.	No extra cost

5. During summer planning grade level teacher will chart state power concepts and objectives from the AIMS blueprint to track student progress.	Summer 2010/ On-going	Teacher Head of School	5. Teachers will use grade level Power Concepts flow chart to chart student progress.	Summer Retreat Teacher Stipends $1875 Data Analysis end of year workshop $1200
6. Teach power concepts and objectives through "Sort, synthesize, and strategize model" to identify and intervene with the 3 least mastered POs and 3 lowest performing students in each grade level on a monthly basis.	2010/2011 School year/ On-going Monthly	TPO (The Principal's Office) Teachers Head of School	6. PLC will monitor student progress on power concepts chart monthly.	Included in listed above workshop budget
7. PLC Teams will receive monthly reports from STAR Math that chart student progress	2010/2011 School year/ On-going Monthly	Teachers PLC Head of School	7. PLC will monitor student progress results and document in assessment binder.	No extra cost
8. PLC develops interventions for students not making progress.	2010/2011 School year/ On-going	Teachers PLC Head of School	8. PLC collaboration provides a checklist of interventions.	No extra cost
9. Develop Criterion Referenced Tests on power concepts.	2010/2011 School year/ On-going	Teachers Head of School	9. Teachers will document scores in assessment binders.	No extra cost
10. Adding additional time and intensity to re-teach targeted least mastered POs and lowest performing students.	2010/2011 School year/ On-going	Teachers Head of School	10. Teachers will document on student planning intervention worksheets in lesson plan book and monitor student progress for success, if progress is not being made teachers will discuss at PLC for strategy suggestions.	No extra cost

STRATEGY III: Response to Intervention (RTI) Model for all students performing below grade level in Math.

Action Steps	Timeline	Responsible Party	Evidence of Meeting Action Steps	Budget
1. School wide Math RTI screening and identification at the beginning, middle and end of year to identify students in the bottom 2 tiers in need of intensive math intervention.	2010/2011 School year/ 3 times a year/ On-going yearly	TPO (The Principal's Office) Interventionists PLC Teachers Head of School	1. PLC teams will receive RTI screening data from TPO interventionists and analyze to determine continuation or exit from program and documented in assessment binder.	Included in expenses Non-PMP
2. Apply math intervention to identified students as follows: o Tier II two times a week for 30 min each session. o Tier III three times week	2010/2011 School year/ On-going	TPO Interventionists Head of School	2. Attendance check off list to validate tutoring session reviewed by Head of School.	No extra cost
3. Teachers will analyze, monitoring data during PLC meetings to make any needed adjustments to the intervention bi-monthly.	2010/2011 School year/ On-going/ Bi-Monthly	Teachers PLC Head of School	3. PLC will discuss bi-monthly reports and make any needed adjustments for students and document in teacher assessment binder.	No extra cost
4. Improve math facts rates and scores through daily practice and weekly testing and reported to parents monthly.	2010/2011 School year/ On-going	Teachers Head of School Parents	4. As tracked by teachers using daily scoring sheets to document growth and reported to parents through monthly reports.	No extra cost
5. End of the year collection of RTI AIMSweb assessment data on students served by the program.	School years 2010/2011 2011/2012 2012/2013 2013/2014	TPO Teachers PLC Head of School	5. PLC will determine if RTI made acceptable growth for students it served. If students have not RTI services will be reviewed and adjustments made to the program the classroom teacher will improve interaction with RTI and classroom teacher will be placed on improvement plan.	No extra cost

ANNUAL BENCHMARK TARGETS: (Identify as many years as the length of the plan.)

CURRENT STATE	Year 1	Year 2	Year 3	Year 4	Target For This Plan
Arizona State average for % of students that Pass (Meets and Exceeds) the Math portion of the AIMS is: Grade State ESC 3 73 33 4 74 36 5 72 88 6 68 75 7 73 50 8 63 63	Grade 3 will improve 10% Grade 4 will improve 10% Grade 5 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 6 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 7 will improve 6% Grade 8 will improve 5%	Grade 3 will improve 10% Grade 4 will improve 10% Grade 5 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 6 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 7 will improve 6% Grade 8 will improve 5%	Grade 3 will improve 10% Grade 4 will improve 10% Grade 5 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 6 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 7 will improve 6%. Grade 8 will improve 5%	Grade 3 will improve 10% Grade 4 will improve 10% Grade 5 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 6 is currently above the state average that meets and/or exceeds the state standards and will improve by 3%. Grade 7 will improve 6% Grade 8 will improve 5%	Will meet or exceed the current statewide average of AIMS.