

Sultan Elementary School SIP Action Plan MATH 2009- 2010

School Improvement Goal: Improve students' knowledge and skills in mathematics as measured by a minimum of 67% of students meeting standard on the 3rd, 4th, and 5th grade WASL by the year 2010. Transition a larger percentage of students out of the Level 1 category in all three grade levels.

Strategy: Align instruction and curriculum to the Washington State Math Performance Expectations and all grade level Every Day Math unit exams with a focus on these strands: Number, Operations, Algebra, Geometry/Measurement, Data Analysis/Probability, Processes Strands. Improve mathematical instructional strategies to promote increased concept and content understanding.

Rationale: Students will perform better on assessments, if the learning targets are clear, modeled, and practiced by providing best practice mathematical instruction.

Activities to Achieve this Goal: What actions will occur? What steps will staff take?	Professional Development How will staff acquire the necessary skills and attitudes to implement the activity?	Timeline When will this strategy or action begin and end?	Resources Available What are the existing and new resources that will be used to accomplish the activity?	Who is Responsible? Who is Involved? Who will provide the leadership? Who will do the work?	Monitoring Effectiveness What on-going FORMATIVE evidence will be gathered to show this activity is making a difference in student outcomes?
Grade Level Teams will work on identifying the PE's for Units in Every Day Math curriculum	Time allotted each month for Grade Level Team work. Staff Development Days identified for this focus. Group PGO's with this goal.	Grade level meeting focus. Summer staff development. District Directed days.	New edition EveryDay Math curriculum. 2007 updated State Math PE's. Use other EDM school's & District's PE alignment.	Principal will provide leadership in setting days, agenda. Grade Level Teams will do the work. August/September Professional Developmental days.	Performance on grade-level unit assessments. An increase in WASL scores.
Math curriculum mapping for the year. Grades 3-5: Identify areas to be instructed prior to WASL. .	Math Committee will work as a team. Grade Levels work as a team.	Oct. Begin January check-in with Principal. May Complete:	New edition EDM curriculum. Updated State Math PE's. Use other EDM school's & District's mapping.	Principal and District Curriculum Dept. will provide leadership and time for this work.	Performance on grade-level unit assessments. Every grade level has it and is using it.

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Grade Level Teams will identify which PE's need supplementation in the EDM curriculum	Grade Level Teams at SES and GB will work together to identify weak areas. After school Grade Level meetings	Oct. begin Jan. principal's check point. July: Outcome	District Staff Dev. funding is needed to support Grade Level meetings after school for teachers.	District Curriculum Dept. and principals from GB and SES. Grade Level Math Teacher Leaders.	Performance on grade-level unit assessments.
The math committee will research available materials to acquire and use in each grade level to supplement the weak areas in EDM.	Math committee chair and SIP team with NW ESD 189 support will research materials. OSPI Elementary Math Support personnel will help advise.	Oct. begin June. Outcome	Phone and e-mail questions to OSPI Math personnel. Visit ESD 189 to research support materials for weak EDM curriculum. District will purchase new materials.	Principal: leadership. Math chair and SIP committee members	Performance on grade-level unit assessments.
Students performing below Standard in Math in grades 3-5 will be identified and offered additional learning opportunities.	Title teachers will acquire WASL data for students performing below Standard in grades 3-5.	Sept. gather data. Oct. provide extended learning opportunities	Small group learning opportunities will be offered to improve skills, processes, concepts, and content.	Principal: leadership. Staff will be utilized to provide Extended Learning	Performance on grade-level unit assessments. Increased WASL scores
Students will be given Math Bench-mark assessments: Pre- (September), Mid-Year (January), Post- (May/June)	All teachers will administer a math Classroom Based Assessment.	Sept. Jan. May	Pre, Mid, End of the Year Assessments. (some modifications may be needed on these common assessments)	Grade Level Facilitators will provide Leadership. Each teacher will administer the assessments.	Performance on grade-level unit assessments.

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Each class at every grade level will continue to offer a Math Problem of the Week. Results from collegial scoring will be used at grade level to inform and adjust instruction.	Grade Level teams will collegially score student problem solving three times per year before grade reports.	Oct. Begin using Problem of the Week. Jan. Check Point. May: evaluate	Teacher to Teacher WASL Math Problem of the Week Notebooks. Import Problem of the Week from other schools, Districts, and Web sites. Math Problem Scoring Guides, Anchor Papers, and Rubrics.	Math Committee monitors process for each grade level. Teachers instruct math problem of the week.	Performance on grade-level unit assessments. Grade Level team scoring of sample student problem of the week assessments. Rubrics, scoring guides, Anchor papers have been created.
Math fact fluency will be practiced weekly in grades 1-5, and tracked electronically for progress.	All teachers will provide weekly math fact practice, through EDM games, flash cards, Math Fact Triangles, and Timed Drill sheets	Begin: Oct Electronic data entered: Jan. Evaluate: June	EDM Fact Triangles for Fact Families. Flash Cards. Tech Lab software. EDM games. Timed drill sheets. STAR Math	Math committee, Grade Level facilitators. Tech Lab Para	Nov. electronic reporting of student fact fluency scores. March: May: “ “ STAR Math Cougar Pride Assemblies will celebrate Math Fact Fluency.
All teachers will use and post math vocabulary cards that relate to current unit.	Teachers have the cards at each grade level	Changed at each unit	Mukilteo School District Curriculum Department sent electronic vocabulary cards per grade level.	Math Committee chair will make sure all teachers have cards each year.	Scores will improve on the WASL.

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Grade Level Teams will participate in Lesson Study Models throughout the year to enhance instructional strategies in engagement and inquiry.	Summer Academy: 30 hours of work. Grade Level teams participate in sessions. GB/SES	Consultant comes 4 sessions per year.	Hire Math consultant from NWREL to work with Intermediate and Uof WA Primary.	District coordinator and principals from GB and SES	Instructional data observed and collected from every classroom. Students mathematical learning will improve.
Monthly grade level meetings will be held by a teacher facilitator for improving mathematical instruction.	Teams will meet once a month with a facilitator after school.	Begin Oct Grade Level Facilitator meetings every month.	One teacher per grade level facilitates a monthly meeting. Book Study EDM, DMI modules Summer Enhancement	One teacher per grade level nominated by principal.	Teachers become more collegial and focused on instruction. Teachers become deeper team participants.
Procedures for evaluating success in reaching this goal: what SUMMATIVE evidence will be used to show this activity is making a difference in student outcomes? Analysis of WASL scores in math at 3 rd , 4 th , and 5 th grades.					