

# Math Action Plan for 2008 - 2010

**School Improvement Goal:**  
**Math**

By the spring of 2010, at least 75% of Carnation Elementary 3rd, 4th, & 5th Graders will meet or exceed state standards in math on the WASL in all areas, including struggling areas (measurement, geometry, probability & statistics).

**Strategies:**  
**Really Big Deals**

**Measurement - EALR 1.2**  
**Geometry - EALR 1.3**  
**Probability & Statistics - EALR 1.3**

**Rationale:**

According to WASL trend data from the past 5 years, Carnation Elementary students have struggled with the **measurement, geometry, and probability and statistics** portions of the WASL, more than other areas, and need further instruction for improvement in that area.

Task #	Timeline	Activities to Achieve this Goal Strategy:	Professional Development	Resources Available	Who Is Responsible	Monitor Effectiveness & Progress Made
<b>A.</b>	Beginning: Fall 2008 - June 2010	Carnation staff will work in grade level teams to review the annual "Lessons Learned in Math WASL" and "Strengths and Weaknesses in WASL Math" from OSPI. After reviewing this information grade level teams will develop specific strategies to improve instruction in struggling math areas at each grade level.	1/2 Day CPT time	OSPI Materials, Documents from other math resources.	All staff, grade level teams. Principal will plan.	Improvement in math WASL scores, classroom peer-observations and demonstrations, classroom walk-through data.
<b>B.</b>	Spring 2008 - Fall 2009	Carnation Staff will research and plan site-visits to other schools with similar or lower demographics who have shown significant improvement in struggling areas. Specifically focusing on schools with growing populations of ELL and low income students.	Release time for grade level staff members to visit (perhaps math cadre). Time for team visitors to share with grade level teams and staff.	Title 2 Funds for subs and release time for visits. Recommendations and data from "Just for Kids" website	Math cadre team, all teachers & staff. Principal will schedule.	Improvement in math WASL scores, classroom peer-observations and demonstrations, classroom walk-through data.
<b>C.</b>	Spring 2008 - Fall 2010	Carnation staff will implement a common math vocabulary (of measurement terms used on the WASL or GLEs) glossary developed last year. All grade level teams will work to teach these vocabulary terms and use them in math communications and activities in class.	1/2 Day CPT time & Team Meetings	Release time, information gathered from math audit (Judy Axelsen)	Grade level teams, teachers, staff	Improvement in math WASL scores, classroom peer-observations and demonstrations, classroom walk-through data.

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D.	Fall 2008-Spring 2010	During staff 1/2 days and release time, the Carnation staff, in grade level teams, will review the current math program and compare instructional practices to WASL and new Math Standards. They will then develop grade level specific plans to supplement our math curriculum with research based instructional materials and activities at each grade level.	1/2 Day CPT time, Grade level team meetings	Math curriculum office - and OSPI for math curriculum supplementary resources - specific to measurement.	Classroom teachers, grade level teams, principal, curriculum office support	Improvement in math WASL scores, classroom peer-observations and demonstrations, classroom walk-through data.
E.	Spring 2008 - Spring 2010	Re-instate a district supported Targeted Assistance Plan (TAP) for struggling students at Carnation. (1). Targeted early assistance program - focused on 1st & 2nd graders who are struggling with math concepts (identified by classroom teachers using CBA's). (2). After-school Math Club - 2 days per week for identified struggling math students in 3rd - 5th grades (identified by WASL Scores).	Release time for staff math tutors to develop a consistent Math TAP Plan and individualized instruction for struggling students.	District TAP Funds to pay staff for teaching and prep time.	Katie Haack (Coordinator/EA); Wendy Ward (Cert. Advisor)	Improvement in math WASL scores for struggling students and targeted populations (ELL & FRL)
F.	Fall 2008-Spring 2010	Research ways and plan activities to enhance our school math culture. Develop an atmosphere for students and staff where math is a celebrated part of our school climate and culture, as much as we do literacy. Activities might include: special math nights, school-wide math events (i.e. Math Olympics), better communication with parents about math (i.e. Problem of the Day, week or month in newsletters), and special Spanish Math Night for Spanish speaking families/students.	Team/grade level planning time for staff to develop and plan ideas.	Building funds	Suzanne Siko (Math TOSA), committee, principal	Improvement in Math WASL scores, classroom walk-through data, enhanced math culture by observation

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G.	Fall 2008-Spring 2010	Research best practice in math instruction, specifically in the areas of need. Learn about ways to improve and supplement math curriculum and instruction with the arts and hands-on methods/activities (i.e. Math Their Way, Math Solutions, Visual Math).	Staff development and training in effective math instructional practices (i.e. Math/Arts, Marilyn Burns Math, etc.)	Building Funds, Title Funds, District Funds	All staff, grade level teams, and principal	Improvement in Math WASL scores, classroom walk-through data, and peer observation.
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