

## **KELSO SCHOOL DISTRICT**

### *5-Year Strategic Math Plan*

**Mission Statement** Kelso students will demonstrate mathematical proficiency empowering them to live, work, learn & participate in an everchanging world.

**Vision Statement** Kelso School District will provide a research-based mathematics program aligned with standards that develop relevant student-centered instruction fostering motivated life-long learners.

#### Goals

**Instructional Materials** 1. Kelso School District educators will develop scope and sequence aligned with state standards using our current district adopted instructional materials.  
2. When funds become available, Kelso School District educators will implement adopted instructional materials that align with state standards to promote innovative, creative and real-world learning.

**Professional Development** Kelso School District educators will increase their mathematical content knowledge and instructional practices that support the state standards that increases student learning.

**Assessment** Kelso School District educators will use various research-based assessment strategies and data to guide teaching practices for maximum student learning.

**Administrative Leadership** Kelso School District administrators will partner with all stakeholders in supporting and leading mathematical program and instructional changes needed to ensure mathematical proficiency for each Kelso student.

**Community Support** Kelso School District community members will understand and partner with the district on the journey towards mathematical proficiency for each Kelso student.

#### Mission Statement:

- \* Why does this program exist? What is the purpose of your program?
- \* Short, crisp, to the point

#### Vision Statement

- \* What will Mathematics education in our district look like in five years?
- \* What will the teachers be doing?
- \* What will the kids be learning and doing?
- \* Short, crisp, to the point

#### **Team Members**

Dr. Glenys Hill	Superintendent
Dr. Mark Connolly	Director of Elementary Education
Mary Beth Tack	Director of Secondary Education
Patty Wood	Board Member
John Gummel	Assistant Principal, Kelso High School
Angela Campbell	Elementary Teacher
Liz Roffler	Middle School Math Teacher
Jason Coburn	High School Math Teacher



## Instructional Materials Plan Details

Mission: Kelso students will demonstrate mathematical proficiency empowering them to live, work, learn & participate in an everchanging world.

Vision: Kelso School District will provide a research-based mathematics program aligned with standards that develop relevant student-centered instruction fostering motivated life-long learners.

- Goal: 1. Kelso School District educators will develop scope and sequence aligned with state standards using our current district adopted instructional materials.  
 2. When funds become available, Kelso School District educators will implement adopted instructional materials that align with state standards to promote innovative, creative and real-world learning.

**Objective 1.1 Develop and implement a plan for appropriate usage of our current district adopted instructional materials**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Develop a scope & sequence at each grade level	Dr. Mark Connolly and Mary Beth Tack	Spring , Summer & Fall 2009	Completed scope and sequence at each grade level	Teacher commitment to scope and sequence
Align district adopted instructional materials to scope and sequence	Dr. Mark Connolly and Mary Beth Tack	Spring , Summer & Fall 2009	Instructional materials aligned with scope and sequence	Teacher commitment to district adopted instructional materials
Modify CBA's as needed for alignment to state standards and district scope and sequence at each grade level	Dr. Mark Connolly and Mary Beth Tack	Spring , Summer & Fall 2009	CBA's modified to state standards and district scope and sequence	Teacher commitment to CBA's

**Objective 1.2 Develop and implement a plan for core and intervention math instructional materials adoption**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Form a Math Guideline Committee	Dr. Mark Connolly and Mary Beth Tack	Dec. 2008	Establish Guiding Principles	Guiding principles are published
Form a Math Adoption Committee	Dr. Mark Connolly and Mary Beth Tack	Dec. 2008	Generate math adoption content rubric (ensure rubric addresses each student subgroup especially the needs of low-achieving students)	Guiding principles are published
Develop adoption plan	Guideline and Adoption Committees	Jan. 2009	Plan ready for implementation when funds become available	Board approval of instructional materials upon completion of adoption process


Objective 1.3 **Implement the adopted instructional materials**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Design and implement professional development to support the use of adopted instructional materials	Dr. Mark Connolly and Mary Beth Tack	Based on availability of funds	Participation of educators in professional development opportunities	All math staff members trained
Develop and implement a plan for vertical and horizontal staff collaboration	Dr. Mark Connolly and Mary Beth Tack with K-12 principals	Based on availability of funds	Ongoing collaboration throughout the district	Quarterly communications between directors and site administrators and/or department chairs.
Evaluate adopted materials and identify unmet standards	Math Adoption Committee		Select additional supplemental materials (review unmet needs of each subgroup especially the needs of low-achieving students )	Purchase of supplemental material based on WASL and MAP assessment data.
Design and implement professional development to support the use of selected supplemental materials	Dr. Mark Connolly and Mary Beth Tack		Participation of educators in professional development opportunities	All math staff members trained

Objective 1.4 **Use site-based student data to determine the need for intervention materials**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Review data and identify student needs	Site building team	Spring - first year of adoption	Select materials that address specific instructional needs	Purchase of intervention materials.

## Professional Development Plan Details

Mission: Kelso students will demonstrate mathematical proficiency empowering them to live, work, learn & participate in an everchanging world.

Vision: Kelso School District will provide a research-based mathematics program aligned with standards that develop relevant student-centered instruction fostering motivated life-long learners.

Goal: Kelso School District educators will increase their mathematical content knowledge and instructional practices that support the state standards that increases student learning.

### Objective 2.1 Train Kelso math educators in implementing state standards

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Conduct standards training for all K-12 math educators (including certificated and classified)	Dr. Mark Connolly, Mary Beth Tack & district standards trained staff	June 2008 to June 2009	Implementation of state standards	Principal observation of math instruction
Vertical alignment conversations of the development of key concepts from grade level to grade level	Site teams, teachers, Dr. Mark Connolly and Mary Beth Tack	June 2009 to ongoing	Knowledge of key concepts and mastery development; common vocabulary	Survey
Development of teacher leaders in mathematics for district support in grade level specific courses for Professional Learning Communities (PLC) development in their building - FOCUSED concept areas from math standards	Teacher Leaders, Principals, Dr. Mark Connolly and Mary Beth Tack	Sept. 2009 to June 2013	Key concept knowledge	MAP, WASL, CBA's

### Objective 2.2 Conduct on-going professional development focused on scientifically research-based instructional strategies that support student learning targeted for each student subgroup with emphasis on the needs of low-achieving students

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Vertical and horizontal collaboration starting in buildings and expanding to district	Site and district leadership	September 2008 ongoing	Improved student proficiency	MAP, WASL, CBA's and other data pieces
Powerful Teaching and Learning	Site and district leadership	September 2008 ongoing	Improved student proficiency; Increased peer coaching; Improved instruction	MAP, WASL, CBA's and other data pieces
Differentiated Instruction	Site and district leadership	September 2008 ongoing	Improved student proficiency; Increased peer coaching; Improved instruction	MAP, WASL, CBA's and other data pieces

MAP training on the use of data to drive instructional decisions that improves student learning	Scott Westlund; site and district leadership	September 2008 - ongoing	Improved student proficiency; Increased peer coaching; Improved instruction	MAP, WASL, CBA's and other data pieces

**Objective 2.3 Conduct training on adopted instructional materials**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Train mathematics educators K-12 on the adopted materials	Dr. Mark Connolly & Mary Beth Tack	At completion of adoption	Improved student math proficiency	MAP, WASL, CBA's and other data pieces
Shift training focus to site teams	Site leadership	At completion of adoption	Improved student math proficiency	MAP, WASL, CBA's and other data pieces

**Objective 2.4 Foster and support the development of Professional Learning Communities**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Development of Professional Learning Communities through RMI	Site leadership teams	Feb. 2009 and ongoing	Improved student math proficiency; Increased levels of collaboration	MAP, WASL, CBA's and other data pieces
Development of teacher leaders in mathematics through participation in RMI for district support in grade level specific courses for Professional Learning Communities (PLCs) development in their building - focused concept areas from math standards	Teacher leaders, principals, Dr. Mark Connolly & Mary Beth Tack	Jan. 2009 and ongoing	Key concept knowledge	MAP, WASL, CBA's

## Assessment Plan Details

Mission: Kelso students will demonstrate mathematical proficiency empowering them to live, work, learn & participate in an everchanging world.

Vision: Kelso School District will provide a research-based mathematics program aligned with standards that develop relevant student-centered instruction fostering motivated life-long learners.

Goal: Kelso School District educators will use various research-based assessment strategies and data to guide teaching practices for maximum student learning.

**Objective 3.1 Inform and adjust instruction using data gathered through formal assessments targeting each student subgroup with particular emphasis on low-achieving students**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Use MAP data to apply DesCartes or other applicable strategies	Classroom Teachers(as applicable), Site Leaders, and Scott Westlund	September 2008 and ongoing	Apply differentiated instructional and assessment strategies; Improved instruction; Improved student math proficiency	RIT scores increased, principal observations, and coaches' feedback
Develop Specific Measurable Achievement Goals (SMART) targeting each student subgroup per district building site	Dr. Glenys Hill, Dr. Mark Connolly, Mary Beth Tack and District Principals	Fall 2009 and ongoing	Targets for each student subgroups as a part of the building SIP plan	Improved student achievement
Use state mandated assessments and district math CBA's to guide decisions concerning instruction	Classroom Teachers(as applicable), Site Leaders, and Scott Westlund	September 2008 and ongoing	Improved instruction; Improved student math proficiency	Principal observations and improved test scores
Ensure each building site has included appropriate student learning activities before school, after school, during the summer, <u>or</u> during any extension of the school day/year.	Dr. Glenys Hill, Dr. Mark Connolly, Mary Beth Tack and District Principals	June 2010 and ongoing	Increased intervention opportunities for low achieving math students	Improved student achievement
MAP training time - for: accessing MAP data, understanding MAP data and how to make instructional decisions about MAP data	Scott Westlund, Teachers and Site Leaders	Fall 2008 - ongoing	Apply differentiated instructional and assessment strategies; Improved instruction; Improved student math proficiency	RIT scores increased, principal observations, and coaches' feedback


**Objective 3.2 Inform and adjust instruction using various classroom level assessments targeting each student subgroup with particular emphasis on low-achieving students**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Use teacher selected classroom level assessment data to inform instruction	Classroom teacher and site leader	Fall 08 and ongoing	Improved instruction; Improved student math proficiency	Principal observations and improved test scores
Inform, invite, and involve parents in utilizing assessment (which includes MAP, WASL and other various assessments) data to guide their student toward mathematical proficiency	Teacher, principal, and parent	Fall 08 and ongoing	Increase parent communication; Improved student math proficiency	Principal observations and improved test scores
Inform, invite, and involve students in utilizing assessment data (which includes MAP, WASL and other various assessments) to direct individual learning	Teacher, principal, parent, and student	Fall 08 and ongoing	Increase student communication; Improved student math proficiency	Principal observations and improved test scores

## Administrative Leadership Plan Details

Mission: Kelso students will demonstrate mathematical proficiency empowering them to live, work, learn & participate in an everchanging world.

Vision: Kelso School District will provide a research-based mathematics program aligned with standards that develop relevant student-centered instruction fostering motivated life-long learners.

Goal: Kelso School District administrators will partner with all stakeholders in supporting and leading mathematical program and instructional changes needed to ensure mathematical proficiency for each Kelso student.

### Objective 4.1 Secure funding for purchase of math instructional materials

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Work with budget advisory committee to obtain funding	Dr. Glenys Hill and School Board	Ongoing	Adequate funding obtained	Purchase of necessary materials

### Objective 4.2 Develop a strategic communication plan for math to all stakeholders

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
5-year strategic math plan overview presented to leadership team	Dr. Glenys Hill	Aug-08	Knowledgeable about strategic 5-year math plan	Record of presentation
5-year strategic math plan overview presented to School Board	Board Member Patty Wood	Aug-08	Knowledgeable about strategic 5-year math plan	Record of presentation
5-year strategic math plan overview presented to all district staff	Dr. Glenys Hill	Sep-08	Knowledgeable about strategic 5-year math plan	Observation by Dr. Glenys Hill, Dr. Mark Connolly and Mary Beth Tack
5-year strategic math plan (in-depth) presented to leadership team with special emphasis on the consideration of why the district's previous plan did not bring about the required increase in math student achievement	Math Leadership Team	Sep-08	Staff awareness of strategic 5-year math plan	Leadership team observations
5-year strategic math plan presentation at building sites (recommendation - feeder school configuration) with input gathered	Math Leadership Team	Fall 2008	Input gathered	Results submitted to math leadership team

5-year strategic math plan modified to reflect input	Math leadership team and site principals	Dec. 2008	Revised math plan	Completed math plan
Adoption of 5-year strategic math plan by school board	Dr. Glenys Hill and Board Member Patty Wood	Feb-09	Plan adoption	Plan adoption
Develop talking points of 5-year strategic math plan for distribution	Math leadership team and communications specialist.	Feb-09	Talking points	Utilization of talking points
Development and distribution of immediate year plan (1-year plan from the 5-year plan)	Dr. Mark Connolly & Mary Beth Tack	Feb-09	1-year plan	Distribution of 1-year plan
Develop a Resource Bank for students/parents/teachers to support specific strands	Dr. Mark Connolly, Mary Beth Tack & Brenda Sargent	Fall 2009	Student/Parent/Teacher use of Resource Bank	Survey and Number of Hit on the Resource Bank

Objective 4.3 **Monitor effectiveness of math learning**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Conversations with math staff and site administrators	Math Leadership Team	Ongoing	Program modifications as needed	Leadership team observations
Review math assessment data	Math Leadership Team and Site administrators	Ongoing	Improved student math performance and district wide understanding of students' capacity for success in math.	School Improvement plans
Development of an ongoing 5-year plan (continuously updating this plan)	Math Leadership Team and Site administrators	Annual - end-of-year review	Continuous 5-year plan	Updated 5-year plan

Communicate federal mandate changes to media	Dr. Glenys Hill, Board Member Patty Wood and communication specialist.	August 2008 and ongoing	Knowledge of federal mandate changes	Accurate reporting of federal mandate changes

Objective 5.4 **Identify strategies that promote increased parental involvement in the district's schools**

Activity	Responsible Person	Schedule	Expected Outcome	Monitoring Effectiveness
Identify the strategies that promote parental involvement	Math Leadership Team & building sites.	Sept. 2008 and ongoing	Strategies identified	Knowledge of strategies
Promote and share strategies for parental involvement	District Principals and School Board	Winter 2009	Parental awareness and involvement that results in improved student achievement.	Improved student achievement

Notes regarding this strategic plan template:

To be shared with the participants:

- \* The team name, mission and vision need to be typed on the 'Cover Page' sheet. This will automatically cascade through the other sheets.
- \* Each of the goals for the five strands need to be typed on their respective page. This will automatically cascade back to the 'Cover Page.'
- \* Each of the items in the previous two bullets cannot be changed on any other sheet (Excel prevents this).
- \* The date shown at the top of the 'Cover Page' is today's date and will update automatically.
- \* Each sheet has a set of notes appropriate for that sheet. The notes are 'floating' on the sheet. With a 'click and drag,' the notes can be moved anywhere on the sheet. Note that the notes need to be moved to the right in order not to appear on the hardcopy print.
- \* For each of the plan detail sheets ('Instructional Materials' through 'Admin & Comm Support'), resting the mouse pointer in the 'Activity,' 'Responsible Person,' 'Schedule,' and 'Expected Outcome' cells will reveal some instructional notes.
- \* There is no automatic numbering of the objectives and/or the activities. The user can expand or compress these as necessary.
- \* At the bottom of each of the plan detail sheets, there is space to record parking lot items. This can be used to record items not appropriate for the planning discussion but need to be noted for future reference/use.