

NETWORK OF PERFORMANCE BASED SCHOOLS
2009-2010 School Questions *updated Dec 28, 2009*

NUMERACY

School	District	Question
Adam Robertson Elementary	#08 Kootenay Lake	A strong background in basic facts supports effective problem solving. Therefore, if all teachers in the school teach daily math facts (teaching strategies, drills and games), will student skills improve school wide?
Airport Elementary	#71 Comox Valley	How can we as teacher leaders encourage math teachers to embed assessment for learning practices in their math lessons to address student diversity?
Albert McMahon Elementary	#75 Mission	Will structuring a regular problem-solving block using the Math Exemplars program improve student confidence and academic achievement in math?
Alert Bay Elementary	#85 Vancouver Island N	In what ways will the teaching of specific problem solving strategies, including the use of oral feedback, and learners coaching learners while using the BC numeracy performance standards, improve the problem solving abilities of all students?
Baldonnel Elementary	#60 Peace River North	Will teaching the grades 2 and 3 mathematics curricula (the Prescribed Learning Outcomes or PLO's) as laid out in the BC Integrated Resource Package (IRP) primarily through a problem-solving based method, allow the children in the classroom to make the equivalent of a full year's growth in math learning by the end of the year?
Brooklyn Elementary	#71 Comox Valley	How can we as teacher leaders encourage math teachers to embed assessment for learning practices in their math lessons to address student diversity?
Coldstream Elementary	#22 Vernon	Will the teaching and use of "Good Questions in Mathematics" improve student achievement in numeracy?
Columbia Elementry	#67 Okanagan Skaha	If we differentiate math problem solving instruction based on interest, readiness or learning profile will student achievement increase in problem solving and math reasoning skills as measured by the BC performance standards?
Edgewood Elementary	#10 Arrow Lakes	Will using math centers increase student's use of mental math strategies, as measured by a school wide diagnostic assessment at the beginning and end of the year?
Eileen Madson Primary	#06 Rocky Mountain	Will student understanding and achievement improve if all teachers and students use set strategies (Trevor Calkins), SMART mental imaging and the BC performance standards scoring guide for problem solving to teach and assess problem solving in math in all grades (K -3)?
Erickson Elementary	#08 Kootenay Lake	Will teaching students to "mind map" their thinking in grade 2 Math help both teachers and students to more effectively assess their understanding of math concepts and subsequently improve their achievement in math?
Giant's Head Elementary	#67 Okanagan Skaha	How will engaging students regularly in low floor high ceiling Math tasks affect their attitudes and performance in Math?
Gibsons Elementary	#46 Sunshine Coast	Does consistent thoughtful teaching of mental math strategies improve students' number sense?
Heather Park Middle School	#57 Prince George	Will using AFL strategies with students in a mathematics 8 class improve the students' ability to communicate their learning?
James Bay Community School	#61 Greater Victoria	If we use metacognitive and reflective strategies in a mathematics peer-teaching program, will there be an increase in the number of vulnerable learners meeting expectations for numeracy?
Kitwanga Elementary	#82 Coast Mountains	Will the use of pedometers encourage students to become more physically active and help to make Math concepts more relevant while improving student achievement as measured by the B.C. performance standards?
Kwalikum Secondary	#69 Qualicum	Will the use of Reflective Learning Logs in secondary Mathematics improve students' foundational skills as measured by a grade-appropriate extension of the "Concepts & Applications" Aspect of the BC numeracy performance standard?

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Laity View Elementary	#42 Maple Ridge Pitt Meadows	How will providing students with descriptive feedback affect their performance in numeracy in relation to the performance standards?
Mamquam Elementary	#48 Sea to Sky	Will the use of a formative/summative assessment tool based on the BC performance standards improve student confidence and performance when problem solving?
Maple Grove Elementary	#39 Vancouver	To what extent will a focus on thoughtful, descriptive feedback and opportunities for students to coach each other on mathematical problem solving, in a Montessori grades 1,2,3 grouping, improve students' ability to represent their thinking (orally, pictorially, numerically, using words, charts, diagrams and materials) in solving story problems?
Mission Secondary	#75 Mission	Math 8: Will the utilization of clickers for immediate feedback to students improve their engagement and/or achievement in math 8? Math 9: Will the purposeful use of "hinge" questions give insight to student learning and is it reflective of test/quiz scores?
Puntledge Park Elementary	#71 Comox Valley	How can we as teacher leaders encourage math teachers to embed assessment for learning practices in their math lessons to address student diversity?
Quarterway Elementary	#68 Nanaimo Ladysmith	Will the application of the "Reading Power" Strategies to mathematical problem solving improve student achievement in Language-based numeracy problems as measured by the BC numeracy performance standards?
Red Bluff Lhtako Elementary	#28 Quesnel	Will stating learning intentions prior to teaching lessons in math, increase achievement as measured by the numeracy performance standards?
Southridge Elementary	#57 Prince George	Will the use of formative assessment strategies, and cross grade coaching, increase student achievement as measured by the Representation and Communication strand of the Numeracy BC performance standard?
Springwood Elementary	#57 Prince George	How will the use of learning intentions and criteria development with self assessment and thoughtful feedback, combined with a focus on problem solving strategies and math language impact student achievement in math as measured by the Vancouver Island Net Diagnostic Math Assessment?
Springwood Middle School	#69 Qualicum	Will the weekly use of math games and technology in math, improve student confidence and achievement in basic numeracy skills?
Squamish Elementary	#48 Sea to Sky	How will the use of literature/real life situations and manipulatives help students improve their problem-solving skills?
Stawamus Elementary	#48 Sea to Sky	Does game play in Math help ease math anxiety an increase recall of basic math facts?
Telkwa Elementary	#54 Bulkley Vallley	Will extensively using concrete material and pictorial representations in the early grades provide learners with a strong foundation for developing number sense?
The Link @ Burnside	#61 Greater Victoria	To what extent will increasing student awareness of learning outcomes and teaching self-assessment and problem-solving strategies result in higher achievement for math students in grades 8 and 9?
Twain Sullivan Elementary	#54 Bulkley Valley	Will the weekly use of open ended hinge questions integrated into the classroom math program improve students' ability to accurately represent their thinking in a variety of ways?
Twin Rivers Elementary	#20 Kootenay Columbia	Will incorporating interactive numeracy strategies and activities into the math curriculum improve number sense for student based on the BC performance standards in the accuracy strand for grades 3,4,5, and 6?