Improve Junior High Achievement in Science and Math

Measures	Baseline	Results	Target
% of Students Reaching Acceptable Standard on Grade 9 Science PAT (3 year average)	57.5		60
% of Students Reaching Acceptable Standard on Grade 9 Math PAT (3 year average)	60.2		62
Prior Level of Achievement Grade 9 Math PAT 9 (Sept 2007)	-2.7		
# of Math Workshops offered and school attendance rates	12 wrkshps: av.71% of schools attending		
# of Science Workshops offered and school attendance rates	2 wrkshps:		
% of parents satisfied that their child's school responds effectively to the math needs of students (baseline Spring 2010)	92.4%		
% of students satisfied with their understanding of what is being taught in math (baseline Spring 2010)	80.8%		
% of staff that are satisfied that their school provides a systematic response to the needs of at-risk learners in math.	75.8%		

Month	Actions	Indicators of Success
Sept.	1. Analyzing Grade 6 and 9 Math Data Workshop – September 9, 2009 2. Analyzing Grade 6 and 9 Science Data Workshop – September 14, 2009 3. Analyzing Achievement and Diploma Test Data Workshop – September 17, 2009 4. Developed calendar of long-range plans for Math 7 and Math 8 curriculums which focuses on connections between outcomes and re-addressing 'hard' outcomes at multiple points throughout the year. 5. Collect baseline data for Math 7 Assessment Project – PAT/Final Exam results from June 2009 for grades 6 – 9 has been recorded. 6. Administered student survey to grade 7 – 10 students in project schools. Collected teacher responses to email prompts. 7. Sept. 14th Math 7 Assessment Project Meeting – Met with project participants to review project goals and strategies and begin work around building assessment tools using varied levels of critical thinking skills (Bloom's Taxonomy), and applying the grading scheme. Seven teachers in attendance. 8. Sept. 15th Math 9 Curriculum Implementation – Met with Math 9 teachers from LRSD. Shared best practices, created 'I Can' statements for the number strand, created a common assessment tool for the number strand blueprinted to the specific outcomes in the program of studies. Seven (out of eight LRSD math 9) teachers in attendance.	• 65% of Students met the Acceptable Standard on the June 2009 Math PAT • 68.9% of Students met the Acceptable Standard on the June 2009 Science PAT

Month	Actions	Indicators of Success
Oct.	1. Oct. 1st Math 7 Assessment Project Meeting – Spent the afternoon reviewing the 'check-ups' that had been created by the team previously in order to ensure alignment with critical thinking skills (Bloom's Taxonomy), and the grading scheme. 2. Oct. 9th Math 7 Assessment Project Work Session – Project teachers worked together to create new check-ups as well as to review and revise previously created check-ups to ensure design quality. 3. Oct. 9th Math 9 Curriculum Implementation – Met with Math 9 teachers from LRSD. Continued with book study (*Growing Professionally)*. Discussed and shared instructional strategies for the first four outcomes in the Patterns and Relations strand with a particular focus on the use of manipulatives. Shared process used by Math 7 and Math 8 teachers regarding the use of Senteos in conjunction with the strand exams for students to self-assess their learning as well as for the teacher to collect and analyze class results. Central office staff worked on inputting baseline data from student survey into Zoomerang. 4. F.P.Walshe junior high math teachers creating "differentiated" learning assignments in junior high math with type1,2 and 3 questions (see attachment) 5. G.R.Davis School created Parent and student Math satisfaction surveys (see attachment) 6. October 19 Grade Six Math Teachers Workshop on Number Strand Outcomes and new pedagogy	• Six teachers in attendance. • Five teachers in attendance. • Six out of eight LRSD math 9 teachers in attendance.
Nov.	Due to a sub shortage in the month of November , most scheduled meetings were postponed until the illness rates decreased.	
Dec.	1. December 7, 2009 Math 7/8 Curriculum implementation Workshop 2. December 8, 2009 Math 9 Curriculum implementation Workshop 3. December 15, 2009 Math 9 Curriculum implementation Workshop that was focused on creating, "I can statements". 4. Sample of Progress and Learning Template provided	• 7 out of 22 teachers in attendance • 5 out of 8 teachers in attendance • 6 out of 8 teachers in attendance
Jan.	1. Jan. 26th Math 9 Curriculum Implementation – Met with Math 9 teachers from LRSD. Created common assessment tool for last half of shape and space strand. Created 'I Can' statements for the statistics and probability strand. Created common assessment tool in the form of a project/performance task for this strand. Baseline data has been printed, reviewed, and text responses have been summarized using wordles. (see attachment) 2. Created a parent survey to be administered in the spring. Purpose of survey is to obtain feedback from parents regarding the project's impact on their children. 3. Students in the Math 7 AISI project are recording their progress using charts. These charts document the improvement in student learning over the course of the year. A sample is attached which illustrates one particular students improvement with a particular concept over the course of five assessments.	• 6 out of 8 teachers in attendance
Feb.	1. Outcomes posters for junior high math and science have been completed and are now posted in junior high classrooms (see sample)	

Month	Actions	Indicators of Success
Mar.	March 15th Math 7 Assessment Project Meeting – Discussed project implementation thus far, went over use of pinnacle and shared reports that were being used by teachers in the project, made adjustments to the mastery scale, discussed process for assigning year-end grades, discussed upcoming surveys, and created and revised check-ups. (see attachment)	
April		
May	1. May 4 Admin Council Meeting Administrators shared assessment tools and strategies for measuring student growth from school projects 2. May 14 Jr/Sr high science teachers came together to examine the curriculum outcomes for Pinnacle (3 teachers) 3. May 27, 2010 Grade 9 Math teachers met for a curriculum planning session. They worked on long range planning for 2010-2011 school year, pyramid of intervention and spent time prepping for the math provincial achievement test. 4. May 11 and 27 - Tier one of Numeracy of Intervention built with input from grade 7 through 9 math teachers across the division. Must know core curriculum established for math 7 through 9. (see attachment) 9 teachers attended. 5. During the month of May High School teachers in Chemistry 30, Physics 30 and Science 30 collaborated to complete the writing of divisional final exams in these 3 subjects.	% of parents satisfied that their child's school responds effectively to the math needs of students (baseline Spring 2010) • 92.4% % of students satisfied with their understanding of what is being taught in math (baseline Spring 2010) • 80.8%
June		