

Science School Improvement Plan 2009-2011

School: Penny Creek Elementary

Principal: Shelley Petillo

Date: November 3, 2009

MSP Target: 65 percent of students will meet standard in all strands in Science as measured by the 2010 MSP, and 70 percent of students will meet standard in all strands in Science as measured by the 2011 MSP.

S.M.A.R.T. Goal:

In 2010, 65% of all students will meet or exceed standard on District adopted curriculum as indicated by student performance in the scientific notebooks and/or Scientific Concepts and Principles and Applications on trimester report cards.

Scientific Concepts and Principles

	Trimester one	Trimester two	Trimester three
Kindergarten	97%	99%	99%
First Grade:	96%	96%	98%
Second Grade:	98%	98%	97%
Third Grade:	84%	63%	76%
Fourth Grade:	82%	76%	76%
Fifth Grade:	76%	71%	83%

Application

	Trimester one	Trimester two	Trimester three
Kindergarten:	18%	81%	98%
First Grade:	5%	97%	97%
Second Grade:	9%	89%	82%
Third Grade:	51%	15%	34%
Fourth Grade:	65%	76%	45%
Fifth Grade:	22%	71%	67%

S.M.A.R.T. Processes					S.M.A.R.T. Results	
Instructional Leadership Plan		Resources			Evidence of Implementation:	Evidence of Impact:
Instructional Practices: (What are we going to do?)	Schedule of Activities	People/Team Involved	Materials Needed	Budget Required	Are we working our plan? (What are teachers doing?)	Is our plan working? (What are students doing?)
Teachers will use scientific notebook/journals to instruct students in demonstrating their understanding of the scientific process/inquiry (this includes the “look fors” for each grade level).	<p>Action 1: Teachers will attend district supported science training on modules (2008-2010)</p> <p>Action 2: Teachers will work with district released rubrics for notebooks, when available Science Advocate will work with the district science team to introduce and implement a preliminary common rubric for scientific notebooks for each grade level</p>	<p>Science Advocate and Penny Creek Staff</p> <p>Anna Williamson and Penny Creek Staff</p>	<p>Science modules/ training provided by the District.</p> <p>Support from District curriculum specialists</p>	Science department has already supplied materials and training.	<p>Teachers are using scientific notebook for classroom instruction in Science</p> <p>Teachers using samples of district-developed rubrics to measure student success.</p>	Students actively participate in science lessons, successfully recording their data, observations, hypotheses and conclusions in their science notebooks.
Teachers will establish an inquiry based science classroom utilizing district science kits and best teaching practices	GLAD strategies along with district GLAD websites	Classroom teachers District support: Bob Sotak and Anna Williamson GLAD website	Color printers that have color cartridges.	PTA budget (\$500) for printer cartridges	Teachers will focus on providing evidence based explanations orally and written.	Students will be actively engaged in Guided Language Acquisition Development strategies (multi-modal learning) in science classes.

All students will use the scientific notebooks in all grade levels.	All teachers will become more knowledgeable about the expectations for scientific process and inquiry based learning through collaboration time and training.	Penny Creek Staff	Science modules.	Release Collaborati on time for grade level team planning	Teachers will utilize the science notebooks/journals in their science instruction.	Students regularly record their data, questions and conclusions in their scientific notebook.
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S.M.A.R.T. = Specific & Strategic, Measurable, Attainable, Results-oriented, Time-bound.