

School Improvement Plan FY 2009-2011

Action Plan for Science

Measurable Goals:

2008 -09; Students will maintain achievement in GHSGT in Science in grade 11 at or above 90% meeting or exceeding the standard with a minimum of 95% participation for all subgroups. Students will raise achievement in EOCT Biology from 78% meeting or exceeding standards at the end of SY2008 to 85% meeting or exceeding standards at the end of SY2009 with a minimum of 95% participation for all subgroups.

2009-2010: Maintain GHSGT at 92% or above pass rate. EOCT pass rate to 88% with 95% participation

2010 – 2011: Maintain GHSGT at 93% or above pass rate. EOCT pass rate to 89% with 95% participation.

GSS Strands/ SACS Standards	Actions, Strategies, and Interventions	Timeline/ List Check Points Oct. Dec. Mar. May	Estimated Costs, Funding Sources, Resources, Professional Learning	Person(s) Responsible	Means of Evaluation	
					Artifacts	Evidence of Impact on Student Learning
I 2.6 A 2.2 A 2.3 A 3.1	Offer 7 th period GHSGT review. Target junior level students who are at-risk to attend review sessions. (students with low EOCT scores in Biology) Utilize computer lab before and after school USA Test Prep	Jan -March each year	Copy costs for materials none	4 biology teachers Science teachers	7 th period assessments USA Test Prep	GHSGT GHSGT results
A 1.1 A 2.1	The following target improvement in EOCT: Use pre-test to prepare for Biology EOCT (USA test prep)	Jan 2008- Mar 2011 each year	Copy costs and cost of GATest.com	Science teachers	EOCT	EOCT Results

C 1.1 C 1.2	Review results of EOCT to determine which topics were the lowest scored to adjust teaching	Aug. 2008 Aug. 2010	USA Test Prep, Biology Coach books, Computer Lab	Biology teachers	EOCT	EOCT
C 2.1 A 1.1 A 1.2 A 1.3 A 2.2 A 2.3 A 3.1 I 1.2	<p>Biology</p> <ul style="list-style-type: none"> Use midterm evaluation assessment to determine individual student reteaching prior to first semester final Use midterm test item assessment to determine topics for re-teaching All unit tests will contain items from previous tests that were determined as in need of reinforcement Unit test and final exam questions designed to closely reflect the structure of the released EOCT questions 	Aug. 2008-April 2009 and each year to Aug 2010				
SC 1.1	<p>To increase student participation and achievement in science fair:</p> <ul style="list-style-type: none"> Teachers will serve as mentors for students and the mentees will be assigned to the mentor teacher 7th period for the duration of the project 	Aug. 2008 – Dec. 2008 and each year	Cost of school bus and driver	Registrar and science teachers		Science Fair Results
A 1.4 I 1.3	<p>Design/organize a Science Research Club Establish community partners in research</p> <p>Expand Research Club to a Research Class</p> <p>Staff Development:</p> <ul style="list-style-type: none"> Develop workshops to increase teacher skill in using new techniques to aid teaching GPS 	Aug. 2008 Aug. 2010-2011	<p>5 substitutes @ \$55 per day for teachers to attend science workshops at GSTA Feb. 2011</p> <p>Biology teachers to attend NABT conference in Dec. 2009- 3substitutes needed for 2 days @ \$55 per day</p>	A.P. in charge of Staff Develop		

	standards		Conference registration \$400 2 science teachers needed to attend the NSTA regional conference in Nov. 2009 – registration \$500			
I 2.3	Chemistry, Physics, A.P. Classes Increase the use of Technology; Teacher will provide opportunities of Tech based lessons, learning/use of Microsoft Office	2008-09 Improve and resolve hardware and software problems in Lab 407. 2009-2011 Upgrade Microsoft Word as necessary. Upgrade available GHS GT/EOCT software	2008-09 Purchase headsets for computers &560 Technology upgrades to be determined	All science teachers	Student projects, Lab reports using Microsoft Office (Word, Excel, and PowerPoint)	Results of GHS GT/EOCT scores
	Reestablish the A.P. Physics Class	2009-2010	Cost of training A.P. Physics Teacher Completed	All science teachers	Number of student enrolled in A.P. Physics	A.P. Test Scores
	Reestablish the A.P. Environmental Science Class	2011	Cost of training A.P. Environmental Science Teacher	All science teachers	Number of students enrolled in A.P. Physics	A.P. Test Scores

	Increase the number of students participating in the Science area of GHP.	Increase by 5% per year beginning in 2010-2011	None	All science teachers	Number of students selected by school	Number of students selected to county/state level
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