

District Science 5 year plan

	Equity	Teaching & Learning	Curriculum	Assessment
2009-2010	<ul style="list-style-type: none"> Collect and unify daily ACT/PSAE science bell ringer problems for all freshmen, sophomore, and junior courses Begin to develop science preparation for Saturday ACT classes with updates based on current year data 	<ul style="list-style-type: none"> Begin to implement Rtl strategies for all students Begin to implement DI strategies in all science courses Staff will attend monthly Reading across the Curriculum workshops Begin to focus on Honors Academy with emphasis on advancement to AP Science Courses. Complete the AP course audit 	<ul style="list-style-type: none"> Update Biology and Honors Biology curriculum based on College Readiness Standards and new textbooks Update Chemistry and Honors Chemistry curriculum based on College Readiness Standards to develop common laboratory activities Review Forensics Textbooks for adoption and summer curriculum work the following year 	<ul style="list-style-type: none"> Revision of current Biology and Chemistry benchmark assessments Creation of Physics benchmark assessments Review and unify procedures of Biology and Chemistry benchmark assessment data to inform teacher practice and student learning

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2010-2011	<ul style="list-style-type: none"> Implement unified ACT/PSAE science bell ringer problems for all freshmen, sophomore, and junior courses Implement science preparation into Saturday ACT classes with updates based on current year data 	<ul style="list-style-type: none"> Implement Rtl strategies for all students Implement DI strategies in all science courses Implement Reading across the Curriculum strategies in all science courses Begin to implement Writing across the Curriculum strategies in all science courses Continue to focus on Honors Academy with emphasis on advancement to AP Science Courses. Complete the AP course audit Develop 1 activity per unit that utilizes data collection, organization, analysis, and graphical representation 	<ul style="list-style-type: none"> Update and revise Forensics curriculum based on College Readiness Standards and new textbooks Review Chemistry, Honors Chemistry, and AP Chemistry Textbooks for adoption and summer curriculum work the following year 	<ul style="list-style-type: none"> Implementation of benchmark assessments in Physics Utilize benchmark assessment data to inform teacher practice and student learning in Biology, Chemistry, and Physics Chemistry: Analysis of unit exams and final exams by topic, ILS, and CRS

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2011-2012	<ul style="list-style-type: none"> Revise daily science ACT/PSAE problems for all freshmen, sophomore, and junior courses Develop science timed reading passages in all Science Foundation classes Continue Saturday ACT preparation classes with updates based on current year data 	<ul style="list-style-type: none"> Implement Rtl strategies for all students Implement DI strategies in all science courses Implement Reading across the Curriculum strategies in all science courses Implement Writing across the Curriculum strategies in all science courses Complete the AP course audit Develop 1 additional activity per unit that utilizes data collection, organization, analysis, and graphical representation 	<ul style="list-style-type: none"> Update and Revision of Chemistry, Honors Chemistry, and AP Chemistry curriculum based on College Readiness Standards and new text book Review Physics, Honors Physics, and AP Physics Textbooks for adoption and summer curriculum work the following year Review Earth Science Textbooks for adoption and summer curriculum work the following year Update ACT preparation curriculum based on Plan scores 	<ul style="list-style-type: none"> Utilize benchmark assessment data to inform teacher practice and student learning in Biology, Chemistry, and Physics Physics: Analysis of unit exams and final exams by topic, ILS, and CRS Earth Science: Analysis of unit exams and final exams by topic, ILS, and CRS Summer work Chemistry: Develop 1 AP Free Response style questions with grading rubric for each unit exam

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2012-2013	<ul style="list-style-type: none"> Revise daily science ACT/PSAE problems for all freshmen, sophomore, and junior courses Revise science timed reading passages in all Science Foundation classes Continue Saturday ACT preparation classes with updates based on current year data 	<ul style="list-style-type: none"> Implement Rtl strategies for all students Implement DI strategies in all science courses Implement Reading across the Curriculum strategies in all science courses Implement Writing across the Curriculum strategies in all science courses Complete the AP course audit Develop 1 additional activity per unit that utilizes data collection, organization, analysis, and graphical representation 	<ul style="list-style-type: none"> Update and Revision of Physics, Honors Physics, and AP Physics curriculum based on College Readiness Standards and new text book Update and Revision of Earth Science curriculum based on College Readiness Standards and new text book Review Biology, Honors Biology, AP Biology, Biology II, and Advanced Biology Textbooks for adoption and summer curriculum work the following year Review AP Environmental Science Textbooks for adoption and summer curriculum work the following year 	<ul style="list-style-type: none"> Utilize benchmark assessment data to inform teacher practice and student learning in Biology, Chemistry, and Physics Biology: Analysis of unit exams and final exams by topic, ILS, and CRS Summer work Physics: Develop 1 AP Free Response style questions with grading rubric for each unit exam Summer work Earth Science: Develop 1 AP Free Response style questions with grading rubric for each unit exam

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2013-2014	<ul style="list-style-type: none"> Revise daily science ACT/PSAE problems for all freshmen, sophomore, and junior courses Revise science timed reading passages in all Science Foundation classes Continue Saturday ACT preparation classes with updates based on current year data 	<ul style="list-style-type: none"> Implement Rtl strategies for all students Implement DI strategies in all science courses Implement Reading across the Curriculum strategies in all science courses Implement Writing across the Curriculum strategies in all science courses Complete the AP course audit Develop 1 additional activity per unit that utilizes data collection, organization, analysis, and graphical representation 	<ul style="list-style-type: none"> Update Biology, Honors Biology, AP Biology, Biology II/Advanced Biology curriculum based on College Readiness Standards and new textbooks Update AP Environmental Science curriculum based on College Readiness Standards and new textbooks Review Forensics Textbooks for adoption and summer curriculum work the following year 	<ul style="list-style-type: none"> Utilize benchmark assessment data to inform teacher practice and student learning in Biology, Chemistry, and Physics Summer work Biology: Develop 1 AP Free Response style questions with grading rubric for each unit exam