

The Houston Academy for International Studies



What's Happening in HAIS the week of January 28th



In Science, Technology, and Math this week:

In **Algebra I**, students will factor and solve quadratic equations.

In **Geometry**, we will be exploring similarity. We will be learning about proportions, ratios, and geometric means and how to use these concepts to solve geometric problems. Find the areas of plane figures and the surface areas and volumes of solids.

In **Algebra II**, the math department will be differentiating instruction in Algebra II in order to accommodate the needs of our sophomores who will be taking the STARR test at the end of the year and our juniors who will be taking the exit level TAKS test. For our juniors, we will begin to investigate percents and ratios and apply these concepts to word problems applicable life situations. We will also be practicing for the SAT Math sections. Our sophomores will be studying exponential and logarithmic functions.

In **Statistics**, we will continue to gather data by taking 1) simple random samples, 2) cluster samples, 3) multistage samples, 4) stratified samples, and 5) systematic samples.

In **Pre-calculus**, we will learn to complete the square and apply this technique to finding the vertex of parabolas.

In **AP Calculus**, the students will be finding the volume of solid revolutions using integration.

In **Biology**, students will compare characteristics and classify organisms and recognize the importance of a standard classification system.

In **Chemistry**, the students will develop and use general rules regarding solubility through investigations with aqueous solutions. The students will investigate factors that influence solubilities and rates of dissolution.

In **Physics**, students will research and describe the history of the electrostatic force, and identify examples in everyday life.

In **Environmental Systems**, students will create and present infographics describing renewable and non-renewable energy sources.

Here's What's Happening in the Humanities this week:

In **AP World History**, students will be analyzing the rise and fall of the Mughals in India.

In **US History**, students will be analyzing the reasons for the end of the Cold War.

In **MUN**, students will be holding in-class world debate rounds.

In **World Geography**, students will be learning how people are affected by the environment and how they modify the place they live in to better suit their needs.

In **Debate**, students will be conducting a research lab.

In **Economics**, students will be writing free-response essays on aggregate supply and demand.

In **English I**, classes are reviewing PSAT scores, participating in peer reviews, and starting on poetry.

In **English II**, students are testing on "Of Mice and Men." Students are working on exposition sample essays and identifying the thesis, evidence, and commentary. Students should begin the essay over Steinbeck's portrayal of friendship.

In **AP Language**, classes are focusing on developing sound arguments and on strategies to use to answer passage based multiple choice questions.

In **Business English**, students are reviewing their PSAT scores and practicing annotating SAT passages.

In **AP Literature**, students are examining Victor's inner conflict in chapter 23 of "Frankenstein" and completing the AP multiple choice practice. Students must finish and turn in any missing "Letter to Victor."



Opening a world of opportunities.

H I S D

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◀ Jan 2013		~ February 2013 ~					Mar 2013 ▶
Sun	Mon	Tue	Wed	Thu	Fri	Sat	
27	28	29 China and NYC Trip Info Session 5:30 PM	30 HCC Strategies for Success Workshop at 6 PM @ HCC Learning Hub	31 Junior Parent Meeting 5:30/ College Success Night	1 HAIS Blood Drive 9—3 Collegiate Privilege	2	
3	4	5	6	7 Sophomore Parent Meeting 5:30/ College Success Night	8 Collegiate Privilege	9 Potential Student Interviews	
10	11	12	13	14 Freshmen Parent Meeting 5:30/ College Success Night	15 Valentine's Dance 7—10 PM Collegiate Privilege	16 HUDL City Championship Prelims at U of H Potential Student Interviews	
17	18	19	20	21 Black History Program	22 Collegiate Privilege	23 HUDL City Championship	
24	25	26	27 All Juniors take the SAT	28	Notes:		