

# The Houston Academy for International Studies



What's Happening at H AIS the week of January 19, 2015



## In Science, Technology, and Math this week:

Biology: students will begin lesson on Homeostasis as an introduction to body systems.

AP/Dual Credit Biology: students will continue study on "Chi-Square Analysis" computing the accuracy of the hypotheses and probability of a hybrid cross and genetic populations.

AP Physics: students will begin lesson on simple harmonic motion and distribute AP practice questions.

Physics: students will learn about Temperature, Heat, and Thermal Energy and calculate problems on specific heat and the first and second law of thermodynamics.

Science R&D: students will learn about Electric Circuits and appliances in the home.

Chemistry: students will learn about different types of solutions.

AP/Dual Credit Chemistry: students will learn about properties of solutions.

Algebra 1: students will apply exponent properties and graph quadratic functions.

Algebra 2: students will graph square root and cube root functions.

Geometry: students will use Proportionality Theorems and perform Similarity Transformations.

Pre-Calculus: students will use properties of Logarithms to solve Exponential and Logarithmic Equations.

AP Statistics: students will study Random Variables and construct their Distribution Tables.

AP Calculus: students will calculate, interpret, and apply integrals.

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

English I: students are learning about the context of *A Raisin in the Sun* and using poetry to predict major themes and issues in the play.

English II: students are completing their Benchmark, reading "Ender's Game" and working on their Study Guide, and moving forward with Achieve3000 to improve their reading skills.

Business English: students are writing timed essays in practice for the SAT essay section, and are practicing their reading comprehension skills by reading current articles.

AP Language: students are writing timed rhetorical analysis essays on speeches and letters written in different historical contexts. They are also beginning to formulate their opinion essays.

AP Literature: students are continuing "Frankenstein" by discussing philosophical questions brought up by the text. They are also creating Frankenstein Kahoots in groups.

Human/World Geography: students will examine issues related to ethnicity, race and religion.

Model UN: students will begin preparing for Houston Area Model United Nations Conference, University of Houston on January 29<sup>th</sup> and 30<sup>th</sup>. Permission slips are available from MUN teachers and the registration fee is \$40. Please see Ms. Almaraz or Ms. Neale for additional information.

AP World History: students will be study the causes and effects of the Black Death and explore the factors that led to the European Exploration.

U.S. History: students will review the debilitating effects of the Great Depression and analyze the remedies proposed by FDR's New Deal programs.

Economics: students will be introduced to the basic concepts of the "game" and study the roles of the "players" of Economics.

Opening a World of Opportunities.



HISD

## January 2015

1810 Stuart  
Houston, TX 77004

Phone: 713-942-1430  
Fax: 713-942-1433  
E-mail:  
HAIS@houstonisd.org

February 13,  
Chinese Lunar  
New Year  
Celebration.

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5 Teacher Preparation Day	6 First day of Spring semester	7	8	9 <b>EARLY DISMISSAL</b>  School starts at 8:15 am  HAIS Basketball vs Carnegie @ Carnegie H.S. (4:30 pm)	10
11	12	13	14 College Chat: Univ. of Texas MD Anderson Ctr. (Go Center)	15 BP AFS Travel Scholarship Due	16 School starts at 9:00 am	17 HUDL Debate Tournament @ Yates
18	19 MLK HOLIDAY No School	20 HCC Classes Begin  Girls and Boys Soccer Games @ Mason 6	21 College Chat: Texas Southern Univ. (Go Center)	22 College Chat: Sam Houston State Univ. Go Center)	23 School starts at 9:00 am Basketball HAIS vs. East Early @ Ryan	24 Saturday Tutori- als and APEX Lab Open
25	26	27	28 College Chat: University of Houston (Go Center)	29 College Chat: Lamar Univ. (Go Center)	30 School starts at 9:00 am	31 Saturday Tutori- als and APEX Lab Open