



Fall 2016 Exhibition

Thank you for joining us this evening! We encourage you to visit each of the classrooms to experience what our students have been learning this year through their projects.

Room #	Explanation of Project
101 Ms. Liang <i>English 9</i>	How Sweet It Is To Be Solved By You Powers, Systems, and Functions – oh my! Come along a sweet journey of linear pathways through Candyland and learn the skills needed to solve different obstacles you will encounter along the way. Trusty Algebra mathematicians will teach you the rules to follow when working with exponents, how to write systems to solve real-world problems, and finally, how to write the linear equation of the path you will take as you exit this tasty land. Who knew math could be so sappy?
102 Ms. Lodhy <i>English 11</i>	Welcome to the Crucible Welcome to Salem, Massachusetts. The year is 1692, and the witch trials are under way. A number of innocent citizens have already been executed, and crying “witch” has never been more significant than now. Arthur Miller’s play, <i>The Crucible</i> , exemplifies how distrust, fear, mass hysteria, conformity, conspiracy, and personal integrity impact an individual’s daily interactions and choices. Come and discover this intriguing time in Puritan history, as presented through our argumentative essays and the following artistic mediums: Bio poetry, drawings, paintings, 3-D models, and recreations of scenes from the play.
103 Mrs. McBee <i>Government</i>	Supreme Court Cases: You Be the Judge Have you ever wondered what it was like to be a Supreme Court Justice? Here’s your chance to find out! You will have the opportunity to hear student attorneys present the arguments of a Supreme Court case. After considering the evidence and arguments, how would you rule? Come and find out if you agree with the historical decision.
104 Mr. Wimer <i>English 9</i>	Alice’s Wonderland and the Looking Glass World Come journey into the bewildering, whimsical, spooky, and often hilarious world of Alice’s Wonderland and the Looking Glass World. Come and hear how students learned about surviving high school from Alice’s own adventures in her silly worlds. Your visit might not make you a little taller or a little smaller, but you might leave a little wiser.
105 Mr. Anderson <i>US History</i>	Mythbusters: Re-Evaluating What We Learn About Early American History What do you mean the “Pilgrims” dressed in bright colors, laughed and had fun? How is it possible that the first English colonists to the “New World” ate not turkey and pumpkin pie, but each other and their own excrement? How can it be that most of the early “slaves” in the British colonies were white and that some African landowners owned both African <i>and</i> white slaves? The early American colonists loved being British, loved King George III and didn’t want to separate from Great Britain? Most of the violence in the American Revolution wasn’t as a result of British troops subjugating colonists, but was rather colonists attacking British troops and one another? What do you mean the American Revolution wasn’t about taxes and didn’t create a democracy? Mr. Anderson’s US History & History 101 students invite you to re-evaluate all the things we learn about early American history as they “bust” several of the myths perpetuated in history classes and textbooks. Using evidence from the time period, students will explain what we learn and what <i>really</i> happened in regard to the “Pilgrims”, slavery and the American “Revolution”.
106 Mrs. Ichiroku <i>World History</i>	The French Revolution Experience Come one, come all! Travel to 18th century France where you will decide the fate of King Louis XVI. Mingle with the poor, the rich, and the passionate people of France. Hear their cries for vengeance or their pleas for mercy on their king. Throughout your stay in France, you will decide whether or not the people of France have made the right decision to charge King Louis for his crimes against the French people and to behead him at the guillotine!
107 Ms. Cha <i>English 10</i>	Watch out for Cha-firmation Bias Come watch selected scenes from the play <i>Twelve Angry Men</i> and listen to our experts break down the strengths and weaknesses of the jurors’ arguments about the defendant!
110 Ms. Muratalla <i>Chemistry</i>	Energy is Life Come join us in Chemistry, where we will be burning food to see how much energy we can obtain from them. Students will be burning different food items to give you an idea on how the food we eat gives us life and to gain an understanding of what calorimeters are, how they work and to learn how calories were once calculated through Thermochemistry.
111 Ms. Wai <i>Biology</i>	Energizing with Saya When we work out why do we feel the burn? What is cellular respiration? Travel through the processes of fermentation and cellular respiration to find out! Here you will travel through the maze of whichever path you choose on the journey to gain energy and an understanding of our cells.
112 Mr. Besina <i>Human Body Systems</i>	Welcome to the Inside Out Tour of the Brain Get a behind-the-scenes look at how our nervous system works! Visit the Electrical Communications Department to see how nerves cells send neural impulses speeding through their axons. Our experts at the Chemical Communications Department will show you how neurons communicate with each other and other cells using chemicals. The Sensation Department will give you a tour of the inner workings of the eye and even test the abilities of your vision. And the Perception Department will show you how the brain is involved in making meaning in what we see. Don’t miss out on “seeing” all the axon going on in our brains!
113 Ms. Larson <i>Physics</i>	Circuit City Calling all electrons! Make your way from a battery’s negative terminal to positive terminal through a conductor of interactive circuit stations. Feel what it’s like to be an electrical engineer as you draw schematic diagrams, build simple circuits, and test conductive materials. You may ask: WIRE we doing this? Our Physics experts will guide you through explanations and real-world applications. You will be SHOCKED by how much you can learn about electricity, even without a science background!

<p>201 Mr. Divinagracia <i>Algebra 2</i></p>	<p>“Symbol” Me What is in a symbol? Is it really so simple? Find out what these students learned about Linear Equations, graphing and symbols in this project. See their creations that “represent” them and learn about how something so simple can represent something so complex. Students created a simple symbol that represented some aspect about themselves. Students had to delve deeply into their own personalities, expectations, and emotions to see what sets them apart from others. To create their symbol they had to deeply understand functions, linear equations, tables, graphs, domain, range, slope, y-intercept, and many other math topics. We invite you to find out how “simple” your children really are.</p>
<p>202 Ms. Kondo <i>Calculus</i></p>	<p>Passions & Perspectives in Calculus Come experience motion as a graph and connect that to each student’s passions for painting, dancing, sports, and animals. You’ll find so many connections between Calculus and real life and understand it in a brand new way!</p>
<p>203 Mr. McGregor <i>Pre-Calculus</i></p>	<p>Life Perspective Explained Through Mathematics What pivotal events shaped your view of the world? Pre-Calculus students expressed their view of the world through a mathematically constructed logo/image, using a variety of different functions. Over the course of seven-weeks students shifted, stretched, and flipped parent graphs to create their perspective of the world.</p>
<p>301 Ms. Magaña Ms. Sy Ms. Hernandez <i>Spanish</i></p>	<p>Celebración del Día de los Muertos (Day of the Dead Celebration) This semester, students will present their experiences from their visit to one of the Day of the Dead celebrations in the Los Angeles area. Their learning will be exhibited in several different forms including; videos, poetry, tombstones with offerings, and exciting interactive activities! Come take part of this cultural experience with the Spanish Department.</p>
<p>502 Ms. Brown <i>English 12</i></p>	<p>The Telltale Diner Come on down to the Telltale Diner, where we’ve been serving up home-cooked stories since 1951! Our 12th-grade writers invite you to find a table, enjoy the mid-century atmosphere, and hear excerpts from our “The Stories We Tell Ourselves” project. Our writers will also chew the fat with you about their creative process—and what they learned by writing their memoirs from other people’s perspectives.</p>
<p>801 Mr. Prendergast <i>Art & Design</i></p>	<p>Art Gallery The students in Art and Design 1 will be hosting an elegant art gallery. We will showcase the exquisite art compositions of our gifted students. The work on display represents beginning drawing and design skills, with corresponding artist statements.</p>
<p>802 Mr. Kurczek <i>Geometry</i></p>	<p>The Logo Project Come to Geometry where you get to learn all about the geometry of logos through games, learn some sweet dance moves, and even get to step into the shoes of the students themselves and create your own logo project as you move from station to station. Take your logo home with you or add it to our wall of logos!</p>
<p>803 Mr. Perez <i>College Writing</i></p>	<p>The College Application Process This year’s College Writing exhibition is geared towards managing the college application process. You, the participant, will take on the identity of a student and attempt to get accepted into at <i>least 2</i> of the 9 colleges participating in our on-site admissions College Fair. Participating colleges range from Santa Monica College to Princeton University. Don’t be afraid of getting rejected; you might be accepted!</p>
<p>Project Lead the Way Engineering Showcase <i>(Room 500 / Forum / Multi-Purpose Room)</i></p>	<p>Introduction to Engineering Design (Teacher: Mrs. Teresa Sievers) Explore the engineering design process as students guide you through the creation of their Puzzle Cube Project. You can even try your hand at solving one of their mind-boggling 3D puzzles. Students will also share their new skills, such as isometric sketches, computer aided design, and statistical analysis.</p> <p>Principles of Engineering (Teacher: Ms. Kat Ramos) Join us in the forum as the students of POE show off their understanding of basic machine control. Students learned to design, they learned to build, and then they learned to code. They put it all together and as a group chose a problem to solve. Students worked in teams and came up with a design for their choice. Come ask about their failures and how those failures led to their success.</p> <p>Engineering Research and Development (ERD) (Teacher: Mr. Aaron Tostado) Come visit Da Vinci's award-winning robotics team, the Vitruvian Bots, as they walk you through some of our off season robotics projects. Students can walk you through requirements and their concept verification through detailed trade studies. Then they can take you through how they modeled, and CNC-machined their prototypes!</p> <p>Computer-Integrated Manufacturing (CIM) (Teacher: Mr. Aaron Tostado) CIM students are ready to show you their design process in creating and manufacturing a container. They will show concept sketches along with 3D designs and create tool paths to manufacture a container given detailed constraints.</p>

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