



SPRING 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. Flower <i>English 9</i>	A Tale of Extraordinary Misfits Come and listen to Ms. Flower's 9th graders read an excerpt of the children's books that they both authored and illustrated! Throughout this project, students discussed the theme of "extraordinary misfits," and tried to answer the question, "who isn't extraordinary?" through Literature Circles. From a dog with a square tail to the only red fish in the sea, you will have an opportunity to hear the story of a misfit who finds out how truly great he or she could be!
102 Ms. Lodhy <i>English 9</i>	Da Vinci VMAs How can we as songwriters make a positive impact on the music industry? Through an exploration of poetry and music, students compiled a collection of annotated and explicated poems and songs that were combined to create a comprehensive poetry portfolio. Students were then asked to write an original song about an important social issue that impacts their world. The next step was to create a recording in the form of spoken word, rap, or a song. Once all the songs were played for the class, students voted on one song to produce into a music video. Tonight we will be screening these videos which were filmed, produced, directed by and feature all of Ms. Lodhy's English 9 students! Join us for an evening at the Da Vinci Music Awards!
103 Ms. Macaraeg <i>Economics</i>	Elections 2016 – Who has your vote? Welcome to the 2016 Elections! Who will you vote for? Which candidate has your interests in mind? Come listen to candidates present their stance on issues and test their knowledge on current topics. Meet with special interest groups and watch their campaign advertisements. Speak with voters and the media as they each advocate for presidential candidates. The stakes are too high for you to stay home!
104 Mr. Wimer <i>English 11</i>	Identify Thyself Come and explore the life of one of the most controversial civil rights leaders, Malcolm X. You will be surprised by how inspirational his life truly was. Get a sense of how his identity changed throughout his life and how his life can influence change today in 2016.
105 Mr. Anderson <i>US History</i>	Follow the Yellow Brick Road Join Mr. Anderson's U.S. History students as they take you on a familiar journey with Dorothy, the Scarecrow, the Tin Man and the Cowardly Lion and explore the economic and political allegory behind L. Frank Baum's 1900 classic, The Wonderful Wizard of Oz. Think you know this story? Think again! Join us as we uncover the hidden historical truth behind this beloved tale.
106 Mrs. Ichiroku <i>World History</i>	The Life of a Soldier Grab your helmet and jump into the trenches with our sophomores as they explain to you the experiences and effects of WWI. Your soldier guides will explain the impact of propaganda, "new" weapons of war, "cost" of war, and the physical and mental impact on soldiers among other topics.
107 Ms. Cha <i>English 10</i>	DVS Unfiltered Welcome to our art show Here you can see the students grow Putting passions into poems Preaching personal story for Our families, friends, and even more.
110 Ms. Muratalla <i>Chemistry</i>	Radioactive Stories 6:00-7:00 Come and see the stories created through students' knowledge on patterns identified in the periodic table, and be quizzed on the lessons taught through their stories. 7:00-8:00 Visitors to our classroom will learn about nuclear reactions (fusion, fission, and radioactive decay). Students will present their knowledge on daily uses of radioactivity and share the research they've conducted to make the decision: should continue the use of these forms of radiation?
111 Ms. Wai <i>Biology</i>	The Cycle of Life Have you ever wondered how all of the cells in your body operate? Come explore the wonders of the life cycle of a cell with Saya's biology class! You will have the opportunity to see interactive demonstrations of the stages of the cell cycle including the complexities of DNA and how cells divide through mitosis and meiosis. Don't miss out on the chance to take a cell-fie with a friend!!
112 Mr. Besina <i>Human Body Systems & Psychology</i>	Da Vinci Hospital Welcome to Da Vinci hospital where HBS students will take you through a digestive lab, respiratory lab, and urinary lab where they will teach you to diagnose, explain, and treat your symptoms! Brain Games Join Mr. Besina's psychology students outside his room in an interactive tour through the brain. On this tour, you will learn about sense and perception, memory, and the physical attributes of the brain.
113 Ms. Larson <i>Physics</i>	Beats by Da Vinci Have you ever wondered how vibrations travel to our ears to be interpreted as sound? Interested in building your own headphones? We can show you how to listen to sweet tunes from nothing more than a few household items. So you think you can sing? We have a special karaoke station where you can either be discovered or make a fool of yourself.

201 Mr. Divinagracia <i>Algebra 2</i>	Living in Exponential Times: Beautiful or Dangerous? Do we live in beautiful or dangerous times? Welcome to room 201, where you can find out! Frank’s classroom has a diverse exhibit of real-life examples of math! The students in this exhibition will be demonstrating how our world is ”Living in Exponential Times” by explaining the properties of exponential growth and decay using infographics and explaining how all of these situations affect all of our lives. Come experience the world through the eyes of math!
202 Ms. Kondo <i>Calculus</i>	Optimal College Experience & Me in 3D We look forward to sharing our knowledge with you at this glorious Calculus exhibition! The Calculus classes built a college campus made economically through the wonders of the derivative. The College Calculus class designed a 3D logo based on finding the volume of complex 3D geometrical shapes.
203 Mr. McGregor <i>Pre-Calculus</i>	Sinusoidal Sinemas Presents the Resilience of Nature 2016 Have you ever wondered how sinusoidal functions apply to real life phenomena? Stop by Sinusoidal Sinemas to find out. You will learn how students mathematically model cyclical occurrences in the world around us, from the Bull Moose's heartbeat to laser beams to music and earthquakes.
301 Ms. Magaña Ms. Sy Ms. Hernandez <i>Spanish</i>	¡Bienvenida! Get your passport ready and join us on an exploration through many of the countries that are the backdrop for the amazing projects that will be showcased throughout the night. We have it all from the tantalizing novels to the historical architecture, infamous artists and beloved theater. Don’t forget to take a picture in our photo booth!
502 Ms. Brown <i>English 12</i>	Enter the “Issues Matrix” We’ve done research on controversial and confusing topics, from space pollution to euthanasia, and will be providing you with explanations and commentary. Come listen and share your opinions!
801 Mr. Prendergast <i>Art & Design</i>	Animation Domination Come visit the animation studio as students guide visitors through their process of making their stop motion animation films. You’ll make the clay characters alongside the students, learn about creating the illusion of 3-dimensional space through visual aids such as the sets and storyboard, and create a 10 second stop motion video. You’ll also watch the students’ videos while enjoying a nice cup of popcorn.
802 Ms. Sievers <i>Algebra & Geometry</i>	Efficient From the Asphalt Up Mrs. Sievers' students will "brake" down the electric versus gas car debate and "accelerate" your understanding of car efficiency. We've used linear equations to compare vehicle performance and determine which type of engine is right for our families. Take a detour through the vehicles on display from South Bay Lexus while our students steer you through their calculations and conclusions.
803 Ms. McLean <i>College Writing</i>	DVS Research Institute The DVS Research Institute is showcasing the work and progress of our senior students as they search for the intersection of their passion and their purpose. In preparation for their year-end presentations, students are researching extraordinary topics ranging from the environmental effects of elephant poaching to the importance of geography; agoraphobia to business structures; and minorities in STEM to equal access to education. Come visit the DVS Research Institute to hear what they've learned.
Project Lead the Way Engineering Showcase <i>(Room 500 / Forum / Multi-Purpose Room)</i>	Introduction to Engineering Design (Teacher: Ms. Kate Steeper) <u>Next Gen Engineers:</u> Come visit Ms. Steeper's 9th grade PLTW engineering students where they will guide you through the process of making technical sketches by hand and the basics of CAD software. See how these skills came together in their Puzzle Cube project. Principles of Engineering (Teacher: Ms. Kat Ramos) <u>Annual Marble Sorter:</u> Join us in the forum as the students of POE show off 4 months of knowledge. They learned to design, they learned to build, and then they learned to code. They put it all together to present to you the annual Marble Sorter. Students worked in teams to come up with a design for a machine that could accurately sort 3 different types of marbles in under 2 minutes. Come ask about their failures and how those failures led to their success. Engineering Design and Development (EDD) & Computer-Integrated Manufacturing (CIM) (Teacher: Aaron Tostado) <u>Da Robot Lyfe:</u> Visit Da Vinci's award-winning robotics team, the Vitruvian Bots, as they demonstrate their robot for the 2016 FIRST Robotics and VEX competitions. Walk through the team's engineering process and witness the thrill of robotics as students recreate the robot's competition success through live demonstration, highlight reels, and detailed student presentations. Flight School (Giving Kids Wings Flight Academy) (Teacher: Dan Mikkelsen) <u>Learning to Fly:</u> Come see and how our students are learning to fly airplanes in Da Vinci’s Flight School program through the nonprofit organization Giving Kids Wings!

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