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Plano, TX
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EDUCATION

Vines High School
Plano, TX
9th Grade – 10th Grade
Honors Student
Class Percentile: Top 3%
GPA: 4.26 Weighted

Texas Academy of Math and Science (TAMS)
University of North Texas, Denton TX
11th Grade- 12th Grade
Honors Student/ Dean's List
Class Percentile: N/A
GPA: 3.71 Unweighted

ACADEMIC PERFORMANCE

AP Courses and Scores	9 th - 10 th Completed Courses	11 th Completed Courses	Current Enrollment
9th Grade	<ul style="list-style-type: none"> • Biology 	<ul style="list-style-type: none"> • Biology I-II 	<ul style="list-style-type: none"> • Physics Mechanics
<ul style="list-style-type: none"> • Human Geography (5) 	<ul style="list-style-type: none"> • Chemistry 	<ul style="list-style-type: none"> • Chemistry I-II 	<ul style="list-style-type: none"> • Linear Algebra
10th Grade	<ul style="list-style-type: none"> • Geometry 	<ul style="list-style-type: none"> • Calculus II-III 	<ul style="list-style-type: none"> • Russian I
<ul style="list-style-type: none"> • European History (5) 	<ul style="list-style-type: none"> • Algebra II 	<ul style="list-style-type: none"> • Applied Statistics 	<ul style="list-style-type: none"> • US History 1850's to the present
<ul style="list-style-type: none"> • World History (5) 	<ul style="list-style-type: none"> • Pre-Calculus(self-study) 	<ul style="list-style-type: none"> • Writing About Literature (Prose and Novels) 	<ul style="list-style-type: none"> • World Literature from Antiquity to 1700's
<ul style="list-style-type: none"> • Calculus AB (5) 	<ul style="list-style-type: none"> • Calculus I 		<ul style="list-style-type: none"> • Non-Jazz Drum Set Studies
	<ul style="list-style-type: none"> • English/Humanities 		
	<ul style="list-style-type: none"> • Chinese I-II 		
	<ul style="list-style-type: none"> • Band 		

AWARDS AND ACCOLADES

Outstanding Marching Technique

July 2013 Local

- Marched in time with the best technique out of Vines's entire freshman drumline during marching camp

Lone Star Percussion's We Speak Drum Contest

September 2013 State

- Collaborated with Vines Drumline to make a video demonstrating our skills and enthusiasm
- Won 1000\$ towards new instruments for school

UIL Marimba Solo

May 2014 Regional and State

- Division I in regionals and II in state playing *Etude in B Major* by Clair Musser from memory

UIL Marching Division I

October 2014 Regional

- Played Tenors in Vines's 2014 marching show: *Frankenstein*

Plano Chamber Music Festival

April 2014, April 2015 Local

- Division I *Etude in B Major* by Clair Musser and *Batteries not Included* by Julie Davila
- Division II in *4 Rotations* by Eric Sammut

AP Scholar Award with Honor

May 2015 National

- Completed four AP courses within two years and received all fives on the AP exam

RESEARCH EXPERIENCE

ULTRA Lab's Thermoelectric Project

Professor Witold Brostow, University of North Texas, Denton, TX January 2016 - Present

- Studied the Seebeck Effect's and the Peltier Effect's applications toward the creation of thermoelectric generators
- Coated Bismuth Telluride with Polyamic acid and Cyanate resins to minimize thermal degradation and oxidation
- Gained experience in operating Thermogravimetric Analysis Machines and Four Point Probes

EXTRACURRICULARS

Eagle Scouts of America

Troop 288, Plano, TX

December 2010 – December 2014

- Quartermaster, September 2013-March 2014: organized a project to clean the troop's trailer and shed
- Planned itineraries and meal plans for camping events that were safe and promoted the safe and healthy lives
- Directed troop meetings that consisted of socializing events and merit badge activities
- Supported troop mates physically and mentally during the two week Philmont mountain trek making sure to point out snakes and loose dirt. Also saved a scout's life and aided him up until reaching camp

Band: Percussionist

Plano Percussion, Plano, TX and Dull Roar, Denton, TX

September 2010 - Present

- Logistics Captain, September 2014-May 2015: organized moving trucks and buses during marching season
- Played in top band (Symphonic/Wind Ensemble/Full Orchestra) in the top 3 chairs for 5 years consecutively
- Proficient in various instrumental styles from Bossa Nova and Songo drum set to Jazz and Classical keyboards
- Performed in Plano's annual show, Spettacolo, five times consecutively
- Marched in Plano Drumline Competition and Marcus Drumline Competition

TAMS Robotics Team

Junior Engineering Technical Society, Denton, TX

November 2015 - Present

- Assisted the team in breadboard wiring, soldering, and assembling the robot
- Learned to install hydraulics and use power tools safely
- Utilized Solid Works to illustrate possible drafts and estimate materials
- Competed in FIRST Robotics competition

COMMUNITY SERVICE

Boy Scouts Eagle Projects

Troop, 288, Plano, TX

December 2010-December 2013

- Cleaned up, repainted, and took out dents in trash cans around Plano Senior High School
- Built a pig pen for a local farm near Clark High School
- Built paper and book organizers for Waterview Church of Christ

Plano Percussion Events

Vines High School, Plano, TX

December 2013-May 2015

- Marched in the annual Plano Christmas parade for two years
- played standstill tunes for elementary schools students monthly during the school year
- Set up the marching field and ushered guests into the annual Plano Drum Line Competition for two years
- Played cadences at the grand opening of the Parkinson Voice Project in Plano

Elementary School: STEM Outreach

Elm Fork Education Center at UNT, Denton, TX

September 2015

- Explained and demonstrated the simplified version of Newton's Three Laws of Motion
- Encouraged questions and interacted with the children to peak interest and inspire young minds
- Coordinated with TAMS students to detail an interactive event that exposed young children to science

Aspire Exposition

TAMS Research Organization, Denton, TX

October 2015

- Delivered oral presentations to elementary students exposing them to the basic sciences
- Introduced ideas such as density, polarity, and UV light with interactive demonstrations
- Helped students solidifying a better understanding of key points tested on state examinations

Tutoring*TAMS Teach and Learn, Denton, TX*

October 2015-Present

- Taught Grade School Children basic mathematics and science to excel in State Tests
- Played Chess with Children to spark their interests
- Tutored peers and revised essays through a startup program: Forward Tutoring

Pet Shelter Volunteering*Denton Animal Shelter, Denton, TX*

October 2015-Present

- Cleared the dog kennels and yards of feces
- Refilled empty dishes, emptied garbage bags, and washed dirty rags
- Educated visitors about pet care and benefits in order to encourage them to adopt animals

INTERESTS AND HOBBIES

Physical Activities

- Camping/exploring
- Geocaching
- Shotgun Shooting
- Football
- Jiu Jitsu

Fine Arts

- Linoleum Printing
- Pencil Sketching
- Ukulele
- Cooking Thai Curry
- Card Flourishing

Educational

- Python
- Collections**
- Stamps
 - Coins
 - Vinyl Disks