Nathaniel T. Sunbury

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Education:

Northgate High School, Walnut Creek CA. Graduation Year: 2017

GPA: 4.71 weighted, 4.0 unweighted

Relevant Coursework:

Completed: Honors Chemistry, Biology, Honors Algebra II/Trig, Honors Pre-Calculus, Principles of Engineering, Engineering Design, AP World History

In Progress: AP Chemistry, AP Calculus AB, Honors Physics, AP Computer Science, AP English, Computer Tech

Planned: AP Statistics, AP Calculus BC, higher-level physics/chemistry class

Physics in and Through Cosmology Workshop at Lawrence Berkeley National Lab: June 2015

Five-day workshop, hosted by the Berkeley Lab Physics Division. Program included presentations from Lab scientists on the big questions in particle physics and cosmology.

Honors Nanoscience: 2012-2013

Northwestern University GLL Online High School Honors Elective

Volunteer Experience:

Chabot Space and Science Center – Galaxy Explorer Volunteer May 2013 - Present

Elite Volunteer Status – Over 250 volunteer hours. Volunteers perform live public science demonstrations, explain interactive exhibits and conduct outreach programs at schools, community centers, and festivals.

Astronomy Team Member – Operate Chabot’s viewing platform telescopes, and explain astronomical concepts in a tangible way to visitors. Currently working in telescope-making division on refurbishing and building telescopes.

Extracurricular Activities:

Boy Scouts of America – Life Scout/ Senior Patrol Leader Fall 2011 – Present

Working towards attaining Eagle Scout rank. Currently Senior Patrol Leader of troop. Learned outdoor skills and survival techniques, leadership and group work skills.

Northgate Mock Trial Team Fall 2013 – Present

Captain 2015

National program modeling courtroom experience. Served as defense attorney, and both defense and prosecution witness.

Northgate Quiz Bowl Team Fall 2014 – Present

 Team Science Lead

National academic question and answer quiz game. Placed top ten in both 2014 Sacramento Fall Tournament and JV 2014 Cal Classic. Currently playing in Varsity 2015 Cal Classic.

Northgate Robotics Team Fall 2013 – Present

Member of Northgate Robotics Team. Moving to position of president or vice president next year.

Memberships:

California Scholarship Federation 2014 – Present

State-wide organization requiring high grades and community service for membership.

National Science Honor Society Fall 2015 – Present

National organization requiring high grades, especially in STEM classes, and community service for membership**.** Joined Northgate’s inaugural chapter.

Mount Diablo Astronomical Society Fall 2015 – Present

Regional astronomy group. Attend meetings with guest speakers on Astronomical topics. Assist in hosting local star parties.