

# Joshua Samuel Bowman

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## Academic activities:

National History Day: 7-year participant, 5-time state finalist, 3-time national competitor  
Pennsylvania Junior Academy of Science, state 1<sup>st</sup> place and Exemplary Award  
Junior Engineering Technical Society, 1<sup>st</sup> place regional, 2<sup>nd</sup> place state, 14<sup>th</sup> in the nation  
Science Olympiad: 5-year participant, 4-year state qualifier (2013 comp. on 3/13/13)  
Moody Mega-Math Challenge, 2-year competitor (2013 comp. on 3/2/13)  
Siemens Science Competition – team entry  
Forensics Team: 3-year participant, 3-year All-star qualifier  
Odyssey of the Mind: 2-year participant, 2-year state qualifier  
Toshiba Exploravision Science Competition: 2-year participant, 1-year regional honorable mention  
Hometown Hi-Q team: 2-year competitor, advanced to quarter-finals  
South Hills Junior Orchestra: 5-year participant  
Pittsburgh Civic Orchestra: 1-year participant

## Service:

Interfaith Hospitality Network of Washington County: evening tutor, overnight host, fundraising donor  
Thomas Presbyterian Church: 6-year participant in adult choir, worship soloist and worship leader, 4-year crew chief for Vacation Bible School  
Pregnancy Resource Center of the South Hills: Walk for Life  
Reach Work Camp and three other mission work camps  
Crop Walk and 30-hour Famine to support World Vision  
Compassion International child-sponsor  
Student service taskforce (SPEARS), working with grant sponsorship to encourage student service coordinated through the School District  
Pine Springs Camp (Presbyterian): Mountains-to-Missions leadership camp in 2011, Timothy Team (service) in 2012 and 2013.  
Penn State Aurora service camp and 2013 Fresh Start Day of Service (8/31/13)  
United Way Caring Tree worker: 5-year participant in sorting, packing, and wrapping more than 1000 presents each year  
Middle School Forensics League – 3-year event, All-stars, and finals judge.

## Publications:

“Making Paper Green.” Co-wrote with Matthew Perryman. Published 12 November 2012 in Paper 360°, a journal of the Technical Association of the Pulp & Paper Industry, Glenn Ostle, Editorial Director. Located at <http://www.tappi.org/Publications/Paper-360/online/111212/greenpaper.aspx>.

“My Favorite Place.” Published in Forever Spoken, a publication of the International Library of Poetry, 2007.

## **Resume of Joshua Samuel Bowman, cont'd.**

College coursework completed or pending (Penn State course numbers & titles): 57 credits

Chem 110, 111, 112, 113 (8 credits – AP)

E MCH 211 – Statics of Materials (3 credits – University of North Dakota)

Engl 001 (3 credits – AP)

Ger 001, 002, 003, 201, 301 (12 credits – AP)

Hist 020, 021 (6 credits – AP)

Math 140, 141 (8 credits – AP)

Math 220 – Linear Algebra (2 credits – Mt. Lebanon)

Phy 211, 212 (8 credits – AP)

Stat 200 (3 credits – AP)

### **Sports:**

Fencing: 9-year participant, 4-year National Championship and 4-year Junior Olympic competitor, 4-year Captain of school team; gold medals include the 2009 Arnold International Sports Festival and the 2011 Holy Grail team competition.  
National ranking: D12 in Epee and E12 in Foil.

### **Honors:**

Graduated with Highest Honors (PT Scholar) – June 2013

Admitted to National Honor Society

College Board National AP Scholar and AP Scholar of Distinction – earned twice  
2011 and 2013 Outstanding Young Citizen (Tribune-Review)

Star Student for 6-county area (Riverset Credit Union)

VFW Patriot's Pen: 2-year school, 2-year district, and 1-year regional winner

Voice of Democracy: 2<sup>nd</sup> in 2010, 3<sup>rd</sup> in 2011, 3<sup>rd</sup> in 2012, 3<sup>rd</sup> in 2013

Society for Analytical Chemists of Pittsburgh: Essay winner (2 years)

National Americanism Essay Contest (Fleet Reserve Assoc.): Essay winner – 3<sup>rd</sup>

Campaign for Children's Health Care (Families USA): Essay winner

Washington County Bar Association Law Day: 4-year essay winner

Optimist Foundation: Essay winner – 1<sup>st</sup>

Pennsylvania Pro-life Federation: Essay finalist – 3<sup>rd</sup>, 4-year participant

2010 and 2011 U.S. Fencing All-American Academic Team

Building Leadership Team: appointed by District Superintendent

### **Other achievements:**

Led National 1<sup>st</sup> place team in Academic Math League - 2009

Individual National Champion Academic Math League – 2 years

### **Other activities:**

Apprentice blacksmith at Colonial Williamsburg, Meadowcroft Village,  
and Touchstone Center for Crafts – 5 years

idTech® Camps in website design and videogame design

American Society of Materials & Drexel Department of Materials Science &  
Engineering Materials Camp – Summer 2012