

CASSANDRA HARVEY

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Goal

To help students gain skills to become life long learners, become motivated to apply their learning to tackle concrete problems in their community, celebrate their achievements, value diverse approaches and traditions, build positive relationships, and develop an appreciation for scientific inquiry as a way to explore the natural world.



Certifications

Virginia Teaching License for
Secondary Education,
Biology & Earth &
Planetary Sciences · 2011
American Red Cross CPR · 2013
Emergency Medical
Technician-B · Pending

Memberships

American Association for the
Advancement of Science
National Association of Biology
Teachers
Virginia Association of Science
Teachers

Scores

SAT (in place of Praxis I): 1330
Praxis II – Biology: 186
Virginia Communication &
Literacy Assessment: 562

Languages

English (Native)
Spanish (2nd)

Technology Skills

BlackBoard & SmartBoard
Word processing,
spreadsheets, & databases
Web site design &
management with
FrontPage & Dreamweaver
Digital media and editing using
iMovie, LoggerPro software,
& digital cameras

EDUCATION

James Madison University
May 2009 – May 2011 | Harrisonburg, VA

Masters of Arts in Teaching

Secondary Education, Biology
GPA: 3.855

August 2005 – May 2009 | Harrisonburg, VA

Bachelors in Science

Biology Major, Secondary Education Minor

Stonewall Jackson High School
September 2001 – June 2005 | Manassas, VA

International Baccalaureate Diploma

National Honor Society

Recognition of Excellence by
the Educational Testing Service
Praxis Series

Recipient of the Virginia
Department of Education
Teaching Scholarship & Loan
Program

Dean's List by the College of
Science and Mathematics

Research: Analytical Chemistry
& Microbiology with Dr. Leary

TEACHING EXPERIENCES

Biology & Earth Science Teacher · August 2011 – June 2013 (*Current*)
Harrisonburg High School | Harrisonburg City Public Schools, VA

10th Grade General & Honors Biology, 9th Grade General & Honors Earth Science Academic Academy and Summer School SOL Remediation Teacher

- Helped supervise Environthon Team, Ecology Club, Knitting Club and after school tutoring
- Worked collaboratively with an instructional coach; administered benchmarks & SOL exams

Long-term Substitute Teacher · February – June 2011
Shelburne Middle School | Staunton City Public Schools, VA

8th Grade Science

Student Teaching High School Placement · October – December 2010
Harrisonburg High School | Harrisonburg City Public Schools, VA

10th Grade Honors Biology & Advanced Placement (AP) Biology

- Completed a Teacher Work Sample while gradually taking primary responsibility for all planning, instruction, & feedback
- Participated in hands-on team teaching, facilitated morning review sessions, engaged students in cooperative learning, encouraged scientific literacy and application-based learning, and created multiple assessments for varying Blooms levels and learning styles

Student Teaching Middle School Placement · August – October 2010
Shelburne Middle School | Staunton City Public Schools, VA

7th Grade Life Science

- Performed full teaching responsibilities, including school-wide duties, afterschool activities, and communication with parents
- Contributed to professional learning community meetings, collaboratively developed common assessments, participated in an IEP review, developed lessons for Gifted, ELL, & diverse student needs, employed multiple technology tools to facilitate learning, created SmartBoard lessons, modified experiments & learning materials to be discovery-based

High School Practicum Field Experience · September – December 2009
Fort Defiance High School | Augusta County Public Schools, VA

Dual Enrollment Biology & 10th Grade Agricultural Biology

Middle School Practicum Field Experience · January - May 2008
Thomas Harrison Middle School | Harrisonburg City Public Schools, VA

6th Grade Science

EMPLOYMENT

Virginia Center For Wind Energy · Wind for Schools & Education Intern
May – August 2011 | Harrisonburg, VA

Alliance to Save Energy · Education & Communications Intern
January – August 2010 | Washington, DC

Institute for Innovation in Health and Human Services · Federal Work Study
September – December 2009 | Harrisonburg, VA

Associa Community Management Corporation · Administrative Intern
May – September 2007 | Fairfax, VA

George Mason University Freedom Aquatic and Fitness Center · Lifeguard
February – September 2005, May – August 2006 | Manassas, VA

Parks and Recreation · Lifeguard and Aquatics Class Instructor
May-August 2002, 2004, 2005 | City of Manassas, VA

EXTRACURRICULAR ACTIVITIES

Bridgewater Rescue Squad · *Volunteer* · August 2012-present

- Served 12-24 hours per month as an ambulance volunteer to support other trained staff and volunteers
- Participated in meetings and training opportunities available, including beginning an EMT training course.

American Horticultural Society · *River Farm volunteer* · Summer 2010

JMU Student Chapter of the National Science Teachers Association (NSTA) · *Member* · January 2009 – December 2010

Environmental Awareness and Restoration Through our Help · *Member* · February 2006 – December 2010

- Facilitated and participated in meetings and ran workshops to teach the process of consensus
- Organized presentations for local high school students on alternative energy and energy legislation
- Created a web site to share information with members of the community
- Participated in national and state Power Shifts held between 2007 & 2009 exchanging ideas on climate & conservation
- Organized several clean-ups in the Harrisonburg Community, including clean ups at the Natural Chimneys Regional Park at Mt. Solon, VA, Blacks Run River, the Edith J. Carrier Memorial Arboretum & Botanical Gardens Pond, the George Washington National Forest, and local swimming holes
- Organized and participated in various fundraising and awareness events, including bake sales, speakers, 5K runs, and recycled craft fairs to support community organizations such as Penny's for Promise & the New Community Project
- Fundraised for multiple organizations providing relief and support for communities following the Tennessee Valley Authority Coal Ash Spill in December 2008
- Organized letter signing events to help students research and write to their elected officials about current issues
- Organized university and high school students to attend multiple Weekend in Wise Trips to meet and communicate with community members involved in or affected by coal mining in Southwest Virginia
- Volunteered to help run multiple events for JMU EARTH Week, a week of speakers, including Joel Salatin and the Beehive Collective, and activities including making crafts from recycled materials, permaculture and gardening workshops, and a music festival

Mountain Justice Summer · *Planning collective member* · September 2007 – December 2009

- Worked as part of a collective, representing several states, universities, and non-profit organizations, to organize three separate weeks of speakers and community service opportunities in Ohio, Tennessee, and Virginia
- Led and participated in discussions at the Virginia camp with students from across the U.S. which focused on environmental and social issues, campus–community relationships, and creative and effective approaches to campaign planning

Clean Energy Coalition · *Member* · September 2006 – December 2009

- Organized the efforts of 10 environmentally oriented clubs on campus to open discussions and collaborate with the JMU administration on long term campus goals, including creating a sustainable endowment plan and a bike library
- Volunteered for and participated in No Drive Day, an event combining the efforts of students, university officials, and the Harrisonburg Department of Transportation to increase the use of alternative transportation in the community, on April 17th, 2009 and October 15th, 2008

Enhancing Experiments with Digital Video Research and Presentation · *Group member & presenter* · November 2009

- Collaborated on a project with other pre-service science teachers to explore ways in which digital media, Logger Pro software, and digital video cameras could be used to promote inquiry in science learning
- Presented a hands-on session at the Virginia Association of Science Teachers (VAST) Professional Development Institute Conference in Herndon, VA on November 6th, 2009

Orchestra Ensemble · *Member and cellist* · August 2008 – May 2009

Harrisonburg High After School Program for English Language Learners · *Algebra tutor* · September – December 2008, 2009

Coal River Mountain Watch Intern · *Intern* · May 2008 – January 2009

- Designed and organized a health and toxicology study in Prenter, West Virginia to address issues related to the contamination of drinking water by nearby mining operations and determine the cause reoccurring health concerns observed in the community, including an increase in tumors, gall bladder disease, and urinary tract infections
- Planned the delivery of emergency water, collected lab samples for research at JMU, performed water analysis, and helped increase awareness of water safety and conservation in and beyond Boone County

Latino Student Alliance · *President* (12/2006 – 12/2007), *historian* (12/2005 – 2/2006), & *member*

- Participated in monthly meetings as a representative to the Center for Multicultural Student Services to communicate the activities of all campus multicultural student organizations
- Attended leadership workshops and events held by the JMU Office of Diversity
- Attended the United States Hispanic Leadership Conference in Chicago
- Created a webpage and blog for announcements and accurate record keeping with membership changes
- Applied to the SGA and raised over \$10,000 for Cruzando Culturas, a week long program inviting speakers and performers to increase awareness of the diversity of communities from Latin America and challenges they face
- Ran a campaign to encourage political and voter participation from the local Latino community
- Founded the LSA Essay Contest & Scholarship Award to address low university enrollment of local minority students
- Volunteered at Adult English Language Learner Workshops to provide support and childcare
- Organized an immigration discussion panel with guest speakers including leaders from diverse communities