

Bonnie J. Murray
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EMPLOYMENT HISTORY

- August 2009 to present: NASA Langley Research Center – Employed by Intellectual Concepts LLC
 - 2009-2011, Served as NASA liaison and Educator in Residence at the Virginia Air & Space Center (VASC - NASA LaRC's Visitor Center). Responsible for delivery of NASA Educator Professional Development and inclusion of NASA content in both Informal and K12 education programs at the VASC and in other venues throughout the LaRC 5 state region.
 - 2011-2012, Moved to LaRC Office of Education, responsible for scripting media presentations and creating curriculum with NASA content for use in K-12 classrooms (Rockets to Racecars - R2R™, to include oversight of Space Act Agreement with Jimmie Johnson).
 - 2012-2015, Served as ESTEEM Digital Expansion Lead, created “Ask US” Virtual Engagement Program, and served as ESTEEM (Earth Systems, Technology and Energy Education for MUREP) Agency Activity Lead 2016-2017.
 - Presently serving as Partnership and Integration Lead for Agency-wide MAIANSE program (MUREP American Indian Alaska Native STEM Engagement) and Digital Lead for Artic and Earth SIGNS Project, connecting NASA scientists with classrooms in Alaska through videoconference platforms.
- August 2008 to July 2009: Employed by Hampton City Schools (VA) as an Earth Science/Special education teacher at Kecoughtan HS. Worked with NASA, on science outreach activities, during this time. Focus was work with the COOL Climate Group designing public engagement programs around climate change topics.
- August 2001- July 2008: Employed by Alleghany County Public Schools (VA) as a Special Education teacher for 2 years (Spec. Ed. Dept. Head), and then as a sixth-grade science teacher for 5 years. Extensive use of NASA Education products, S'COOL, MyNASAData, etc. Created Outdoor Education classroom.
- August 1997–July 2001: Employed by Weekday Religious Education Council (Alleghany County, VA)
- July 1992-July 1997: Not employed outside the home. Full time Mom following the birth of our 4th child.
- August 1987- July 1992: Employed by Centennial School District (PA) as a Middle School science and math Special Education teacher for 3 years and then as a Kindergarten Teacher for 2 years.
- March 1983-June 1987: Employed by The School District of Philadelphia as a per diem substitute for 4 months, then as a Special Education Teacher for 4 years. Responsible for technology education program.

EDUCATION

- Mississippi State University GPA 3.4
 - Masters of Geoscience (2009-2014) MS Degree earned Dec 2014
 - Program of study included courses in geology, meteorology, and Geospatial Technologies.
- James Madison University GPA 4.0
 - Graduate Coursework and Continuing Ed. (2006) 3 graduate credits in Geospatial Technologies
- Mary Baldwin College GPA 4.0
 - Graduate Coursework (Summer 2004) 3 Graduate credits in Environmental Studies/ Inquiry based Science methods
- University of Virginia GPA 4.0
 - Graduate Coursework (Winter 2002) 3 graduate credits in Reading in the Content area.
- Philadelphia College of Textile and Science GPA 3.0
 - Graduate Coursework (Fall/Spring 1985/1986) 6 graduate credits in Computer Programming
- The Pennsylvania State University GPA 3.5
 - Undergraduate coursework (Fall 1978-Spring 1983) BS Degree earned in Elementary and Special Education (Dual certification)

PROFESSIONAL QUALIFICATIONS/ TRAINING/ AWARDS

- ManTech Outstanding Achievement Award – 2014
- Recipient of VA Beach Public Schools Community Partners award – 2011
- Current Professional Teaching license in Virginia, certifications Elementary Education, Special Education, and Secondary Earth and Space Science
- Current Professional Teaching License in Pennsylvania, certifications K-8 and Special Ed
- Experienced in use of GPS, GIS, various videoconference technologies, and other presentation methods including advanced cellular applications and handheld devices.
- Certified GLOBE teacher. Trained in Project WET, WOW, and PLT Environmental Ed curriculums.
- Experienced in implementation of NASA S'COOL and MyNASAData programs.
- Graduate of NASA OVERspace (GIS) training through VA Space Grant Consortium.
- Graduate of Coastlines, a NSF funded project providing training in My World GIS software and Eyes in the Sky Institute, a NASA funded project providing training in use of satellite imagery and GIS to study Earth. Currently serving as an Eyes in the Sky Ambassador.
- Member of Solar System Educator Program (SSEP), a NASA program providing training in implementation of NASA content related to current NASA missions
- Recipient of Teacher of the Year award, Clifton Middle School and Alleghany County PS – 2005
- Recipient of NOAA Grant for Watershed studies, purchased equipment for field studies – 2005
- Recipient of Tech Prep Consortium Grants (2), purchased GPS and technology equipment – 2007

PROFESSIONAL MEMBERSHIPS

- NSTA-National Science Teachers Association Teachers
- VSELA - VA Science Education Leadership Association
- VRUEC - Virginia resource use Education Council
- VA Region II Math and Science Coalition
- AGU - American Geophysical Union

- AISES – American Indian Science and Engineering Society