#### Skills and Interests

Learning continuum for integrated STEM instruction, universal availability of STEM instruction K-12, leadership roles, program developer, assessments and outcome metric analysis, policy development

**Strengths**

Working with children and family members. Understanding integrated STEM instruction for all levels. Procuring grants to support programs. Building programs and community support.

**Experience**

DCPS Science Teacher, Alice Deal Middle School, 2017-now. Sixth Grade Earth Science. Robotics, both VEX and FIRST LEGO League.

DCPS Science Teacher, Langley Elementary School 2016-2017. Specialized Science instruction for Early Childhood Education and Grades K-5 General Education students plus weekly instructional time for eight SPED classrooms. Pets in the Classroom for school. Coordinated with volunteer Community Gardener for outdoor classroom and beekeeping lessons. Coached the first DCPS team to win a FIRST LEGO League Robotics Performance Trophy.

DCPS STEM Coordinator, Langley Elementary School September 2013-August 2016

Provided math instructional blended learning support for Grades 1-5; coordinated with teachers to provide science integration and demonstrations; coached FIRST LEGO League Robotics program defined IT support for instructional needs; built structure for STEM integration for K-5 academic classes by developing a DCPS and community support network; attended Sally Ride Science Institute; served as a member of the OSSE Science Educator Leader Cadre (SELC) to develop and integrate Next Generation Science Standards (NGSS) into Elementary education; trained as NSELA leadership team member; selected as Beta tester for National Geographic Educators’ group; applied for and managed multiple grants to support school programs, particularly for Project Lead the Way, the Bee Project, Bat Box project, Monarch Butterfly project and Anacostia Watershed activities; established a vibrant learning program in the Outdoor Classroom; member of the Langley Academic Leadership Team. Trained with NASA Educators, Smithsonian Educators, US Botanic Garden, National Park Service, Living Classrooms, Chesapeake Bay Foundation, and other groups in order to enhance field trip access and educational focus. NOTE: First year was part-time.

DCPS Substitute Teacher (OSSE Certified) April 2013-June 2014

Filled two long term substitute requirements for McKinley Technology High School, Washington, DC and multiple day requirements at Langley Elementary School

Extra Help Tutoring (SES provider) Washington, DC October 2011-August 2012

Director of Education: Primary focus on Math skills for students in underperforming elementary school. Provided materials and training, developed performance goals, assessed effectiveness

FIRST Robotics Mentor with McKinley Technology High School, Washington, DC 2009-present

SAT Tutor After School Program at McKinley Technology HS, Washington, DC 2009-2010

Robotics Instructor DCPS Summer School 2009

**Education**

National War College Washington, DC 2001

MA, National Security Affairs

Naval Postgraduate School Monterey, CA 1986

MS, National Security Affairs (Intelligence)

Massachusetts Institute of Technology Cambridge, MA 1979

SB, Life Sciences

**Additional Qualifications and Experience**

Sally Ride Scholar

Science Educator Leadership Cadre Summer Institute at Carnegie Institution

Security Clearance

Lean Six Sigma Champion

Total Quality Management/Leadership Implementer

Proven subspecialist in Operations Analysis, Logistics, Intelligence

Public Speaker

Rotary Wing Aviator (Instructor, Full instrument, Functional Test, Search and Rescue, Logistics)

Robotics Instructor - FIRST Lego League

Computer skills - Microsoft Office products

Outside interests include volunteering in the community; coaching soccer (D); refereeing soccer(Level 8); Boy and Girl Scouts; mentoring college-capable high school students; tutoring math, science, and SATs.

*Please review Appendix if interested in Navy career from 1979-2009. Items of relevance are multiple tours as an instructor, running training programs including curriculum development; school house leadership (twice), and CHEA accreditation with Middle States and Southern Colleges and Schools. Leadership experience included small unit and large department as well as command tour.*

**PROVIDED AS AN APPENDIX TO DOCUMENT NAVY CAREER**

**United States Navy 1979- 2009**

OPNAV Warfighting Support Assessment  (N814) Pentagon, VA  August 2005 – January 2009

Branch Head

Led Warfighting Support Assessments for Integration of Capabilities and Resources for Manpower, Personnel, Training, Education, Medical, Readiness (Afloat and Ashore), Reserve Integration program assessments for the five year budget cycle and beyond to support the CNO's plans and policies managing branch analytic agenda for external and internal studies, exceeding $1m total.  Supported Planning, Programming and Budget process for three budget cycles and QDR products with a wide range of qualitative and quantitative analytic methods and concepts for the assessment and improvement of effectiveness and efficiency for manpower, training, education, readiness and health projects. Impacted future force structure plans in an $8B shore investment program. Provided leadership and guidance for 16-20 analysts (Human Resource, Education, Supply Analysts, Aviation Resource Managers, Medical Analysts, Readiness Analysts, Administrative Support) , managing multimillion dollar programs, budgeting several million dollars of studies. Analysis ensured that programs were cost-efficient, effective, and had suitable courses of action for improvement. Assured success by supporting cost-effective procurement of studies, effective use of technology, and robust communications with study developers, managers, and subjects while using knowledge of modeling, survey, and analysis methods to translate research into cogent policy recommendations. Built and maintained cooperative working relations with OPNAV codes, particularly N-1 and N-4, and component staffs by providing on demand expert advice, guidance, and consultation for warfighting support analytical topics.

Joint Staff Joint Education (J7JEB) Pentagon, VA August 2001 - August 2005

Process for Accreditation of Joint Education (PAJE) Team Chief

Led accreditation visits to all military war colleges in support of Joint Professional Military Education (JPME) objectives, ensuring compliance with all congressionally directed educational requirements and shaping joint standards IAW Council for Higher Education(CHEA) and Middle States Commission on Higher Education/Southern Association of Colleges and Schools (MSCHE/SACS) standards. As the Subject Matter Expert (SME) and advisor, represented joint education initiatives and training policies to multiple professional groups, including CHEA and regional accreditation groups and DoD groups, including DLAMP, ELDP, APEX, and FDGI ,at meetings, symposia, and conferences. Served as the J-7 SME for the BRAC Educations and Training Cross Service Group, working to manage DoD resources for multimillion-dollar programs in order to provide for current and long-range objectives that were shaped by a thorough understanding of the principles of education and training theory. Developed effective networks within and outside of DoD to further executive and leadership development across ranks from junior to senior levels. Maintained cooperative working relations with senior DoD, Joint and Service leaders, military educational institutions, and other professional associations. Prepared and delivered multiple oral briefings and written presentations to senior leadership which provided expert advice and guidance. Reviews for each team led were comprehensive and accompanied by detailed documentation and provided for subsequent consulting by the institutions. Twice a year, policies were reviewed and new concepts presented along with assessments of recently implemented changes for effectiveness and compliance with long-range PME planning objectives.

USS BATAAN (LHD-5) Norfolk, VA January 1998 - June 2000

Air Operations Officer (Air Boss)

Led 100+ person Air Department through final trials and successful first deployment, supporting deployed USMC squadrons and Navy support detachments. Responsible for all Air Operations on ship, led Air Department through Final Acceptance trials, all training evolutions and first full deployment with embarked USMC Air Wing and other components. Effective, safe, efficient leadership of personnel in a high tempo environment requiring development of personnel, succession management, extensive advocacy, and regular negotiations to balance requirements, while managing budgetary considerations. Guided Air Department through thorough assessment of programs, processes, and systems used and ensured proper planning and organization to implement revisions and enhancements to ongoing programs while remaining in compliance with NAVSEA and NAVAIR guidance.

#### Helicopter Training Squadron EIGHT (HT-8) Milton, FL July 1995 - October 1997

#### Command tour (CO/XO)

Commanding Officer of one of the Navy's two helicopter training squadrons, leading 80 officer wardroom, training over 400 students per year. Recognized for Training Excellence by Chief of Naval Education and Training (CNET)/Chief of Naval Air Training and for Outstanding Community Relations by CNET. Used knowledge of metric selection and assessment to improve effectiveness and efficiency of delivery of pilot training. Based on knowledge of adult learning modes, made recommendations for improvements, implemented approved revisions, and built an enhanced Human Factors review process. Recognized as Military Volunteer for the Year (Navy) by Kellogg’s for work building partnerships in the community.

Defense Intelligence Agency Directorate for Administration (DIA/DA) Washington, DC December 1992 - June 1995

Executive Officer

Managed or supervised all personnel, security, training, logistics and support for directorate which in turn provided Human Resources, Training, Logistics, Security, and Budget services for the Agency. As the Military Executive aide for the Director of Administration, coordinated requirements for security, personnel (civilian and military), training, education, logistics, and administration. Responsible for providing leadership and planning off-site training and building networks within the Directorate and outside with joint/DoD organizations. Developed successful community relations program and built partnership with DCPS elementary schools. Provided concept papers for items of interest, some of which were later developed into working programs and improved efficiency of operations.

Helicopter Combat Support Squadron ELEVEN (HC-11) San Diego, CA

November 1990- November 1992

Safety Department Head, Officer in Charge (deployed)

Ensured successful execution of all safety procedures for Navy’s largest helicopter squadron, providing mishap-free logistics support during wartime deployment, trained junior pilots and aircrew. Deployed twice for Operations DESERT SHIELD and STORM, mishap-free with record setting support levels for the battle group, including FIERY VIGIL.

Helicopter Combat Support Squadron THREE (HC-3) San Diego, CA

May 1989 – October 1990

 Department Head, Instructor, Trainer. Ran the maintenance training for the C-130 and H-46.

Helicopter Anti-Submarine Squadron THIRTY-ONE (HSL-31) San Diego, CA

January 1987 – May 1989

Department Head, Officer in Charge (OIC), Instructor, Trainer, Logistics Support. Two deployments, second as OIC, to provide remote support in Indonesia for survey stations.

Helicopter Combat Support Squadron SIXTEEN (HC-16) Pensacola, FL

November 1981 – January 1985

Division Officer, Search and Rescue(SAR) Pilot, Air Crew Trainer. Provided SAR services for the Gulf Coast and for the USS LEXINGTON (AVT-16)

OPNAV 13 Washington, DC

January 1979 – May 1980

Administrative Officer

Other tours include aviation pipeline training and two postgraduate education tours.