

J. Harrell Rentz

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Education

B.S. (Mathematics) – Davidson College, Davidson, NC (1970)

M.A. (Mathematics) – University of Louisville, Louisville, KY (1974)

Extensive graduate study in mathematics education, school administration and supervision, and educational psychology (Ed.D program “all but dissertation”) – University of Virginia, Charlottesville, VA (1976-1980)

Numerous workshops, seminars, and courses at various locations, including Taft School, Exeter, North Carolina School of Science and Mathematics, Columbia University, Princeton University, Stanford University, and Harvard University (1980-present)

Honors

Omicron Delta Kappa (honorary leadership fraternity (Davidson College, 1970)

Graduate Dean’s Citation for Academic Excellence (University of Louisville, 1974)

Phi Delta Kappa (honorary educational fraternity (University of Virginia, 1978)

Pi Mu Epsilon (honorary mathematics fraternity (University of Richmond, 1979)

GTE Mathematics/Science Teacher Grant recipient (Forsyth Country Day School, 1983)

NEH drama seminar grant recipient (1986)

Woodrow Wilson Fellow and Master Teacher

(The Woodrow Wilson National Fellowship Foundation, Princeton, NJ, 1993)

National Innovative Schools Network, Invited Member (1998-2000)

Professional Appointments

OESIS Network Leader (2017)

ISEE Academic Committee, Mathematics Achievement (ERB, 1988)

Technology Committee, Association of Independent Maryland Schools (1993-2000)

Steering Committee, Microsoft’s Anytime Anywhere Learning Conference (Seattle, WA, 1998)

College Board, AP Computer Science Examination Consultant/Reader (1987, 1989, 1992-1994, 1998)

Field Reader, Department of Education, Technology Innovation Challenge Grants, Tier I (Washington, DC, 1999) and Tier II (Baltimore, MD, 1999)

Co-Chair, AIMS Technology Retreat (1999)

Professional Experience

2013-Present **Teacher, Mathematics & Computer Science, Flint Hill School, Oakton, VA.**

Taught the following courses: Honors Algebra II Trigonometry, Geometry, AP Calculus AB, AP Computer Science, Financial Mathematics, Probability & Statistics, using innovative approaches and resources in a one-to-one laptop

environment. Served as a senior project mentor Team Leader. Advised students. Served on Diversity & Inclusion Team. Served as faculty member on the Governance Committee of the Strategic Planning process.

- 2008-2013** **Head/Principal/Business Manager, Woods Charter School, Chapel Hill, NC.**
Served as Head of a K-12 public charter school serving 500 students. Worked with Board to articulate a new vision, mission, and core values statement, as well as to establish a mature governance structure. Coached three Division Directors and an Exceptional Children Director in the development and delivery of a top-notch academic program with accolades from outside sources. Worked with Advancement Coordinator to expand volunteerism and fund-raising through WCS Foundation. Worked with Athletic Director to move us into a competitive athletic league. Worked with arts faculty to expand music and visual arts opportunities. Managed a \$4.7 million budget and guided the school through the recession and its aftermath while expanding programs, opportunities, and personnel and creating a \$1.4 million cash reserve. Worked with Personnel Director to create an outstanding work environment for faculty with competitive salary scale and benefits. Students loved to attend Woods Charter. Faculty enjoyed teaching at Woods. Parents felt that their children were nurtured and appreciated. Waiting list grew to over 1500 students with almost 100% of students attending college.
- 2003-2008** **Dean of Faculty (2005—2008), Mathematics and Computer Science Teacher (2003—2008), Bullis School, Potomac, MD.**
(Teacher) Taught geometry and AP Computer Science. served on School Philosophy Committee and as moderator of the Conduct Review Board. (Dean of Faculty) served Head in all matters involving the school faculty, including hiring, professional evaluation, professional development, in-school professional development days, faculty awards, advancement, and recognition, faculty counseling, and faculty termination. Managed personnel and professional development budgets.
- 1994 – 2003** **Director of Information Technologies, National Cathedral School, Washington, DC.** Managed and coordinated academic and administrative technology use, working with all members of the NCS community. Chaired Technology Roundtable (10 people) and Academic Technology Think Tank (20-30 teachers). Responsibilities included articulating vision, planning, managing \$700,000 budget, implementing faculty/staff development, providing technology services, spear-heading curricular projects, implementing school information and electronic communication systems. Supervised independent student projects on fractals, cryptology, and Calculus with Mathematica. Developed and taught an individualized, self-paced AP Computer Science course sequence. Created NCS TechTALK faculty development process and NCS Parent Tech Day.
- 1991-1994** **Mathematics Teacher, National Cathedral School, Washington, DC.**
Taught courses in geometry, functions, statistics, precalculus, discrete mathematics, AP Computer Science. Coordinated mathematics contests;

served on Admissions Committee, Curriculum Committee, Coordinate Committee. Served as academic advisor.

- 1989-1991** **Supervisor of the Information Center, T. Rowe Price Associates, Inc., Baltimore, MD.** Developed and supervised a team of six people to effectively and efficiently provide general consulting services, as well as help desk support, for over 600 in-house microcomputer systems. Coordinated all purchasing and servicing and developed inventory tracking system.
- 1987-1989** **Head of Mathematics Department, The Garrison Forest School, Garrison, MD.** Coordinated PreK-12 mathematics program. Taught algebra, geometry, advanced mathematics, and AP calculus, using innovative methods.
- 1980-1987** **Chairman of Mathematics Department and unofficial "Computer Coordinator," Forsyth Country Day School, Lewisville, NC.** Coordinated mathematics program (K-12). Taught AP Computer Science, AP Calculus, algebra, discrete mathematics, precalculus. Performed academic scheduling (9-12). Coordinated Summer Mathematics Program. Advised Judicial Board.
- 1979-1980** **Visiting Instructor in Mathematics, University of Richmond, Richmond, VA.**
- 1974-1978** **Teacher/Department Chairman, Fluvanna County Public Schools, Palmyra, VA.**
- 1971-1973** **Instructor, Data Processing, Mathematics, US Army Armor School, Ft. Knox, KY.**
- 1970-1971** **Mathematics Teacher, Durham County Public Schools, Durham, NC.**

Additional Experience

- Co-Author, Southern California Regional Algebra Project *Book 2: Focus on Geometry*, Orange County CA DOE (1994)
- Co-Teacher, *School Librarians: Leaders in Collaboration and Change* course, Taft Education Center, Watertown, CT (1999)
- Teacher and Co-Teacher, numerous *C++* and *Java* workshops, Taft Education Center, Watertown, CT (2001-2004)
- Visiting Evaluation Teams for many schools, including Boys' Latin School, The Bryn Mawr School, Roland Park Country School, The Landon School in Maryland, and Cary Academy in North Carolina.
- Consultant for numerous curriculum and technology projects, including Grymes Memorial School (Orange VA), Campbell County Schools (VA), and Indian Springs School (Birmingham AL).
- Speaker at various professional meetings, including OESIS Boston conferences (2017, 2016, 2015), Microsoft's Anytime Anywhere Learning Summits (Seattle WA and Dallas TX), EE Ford Fellows Conference, AIMS Heads Country Conference, Independent School Chairman's Association, NCTM, NCCTM, Va State Department of Education.
- Volunteer, Signature Theatre (Arlington VA). Studio Theatre (Washington DC). The Shakespeare Theatre (DC). Judge for DC Public Schools Science Fair. Co-Director, NCS Faculty Follies and other shows. Retreat Volunteer, WINGS Program, The Raymond School, Washington, DC.
- Other interests include theatre, travel, cinema, music, piano, design, calligraphy, creating books using MixBook, crafts, origami, woodwork, and renovation.