

PROFILE

- 29 years of successful teaching mathematics from middle-school mathematics to AP Calculus and AP Statistics.
- Dedicated to promoting the academic development of every student.
- Experience working with students from all academic backgrounds.

PROFESSIONAL EXPERIENCE

MATHEMATICS EDUCATOR / ADVISOR / COORDINATOR Newman Catholic High School, Wausau, WI 2006 – Present
Mathematics Educator

- **Teach Advanced Placement Calculus , Precalculus, Algebra 2-Trigonometry, Statistics & Special Topics**
- Developed Grades 6–12 standards-based Mathematics curriculum. Focus on both basic objectives and higher-order thinking skills.
- **Integrate technology into the classroom:** Utilize statistics packages, CAS (computer algebra systems) as well basic operations such as function graphing, tabular outputs, matrix operations, equation solvers, calculus operations, permutation and combinations, etc.

Advisor

- **Newman Catholic High School Mathematics Team**
- **School Manager, American Mathematics Competitions.**

Coordinator

- **Founder and Coordinator:** Newman Catholic High School Summer Academic Enrichment Program.
- **Teacher:** *Focus on Statistics.* Course syllabus culled from Advanced Placement Statistics syllabus.

MATHEMATICS EDUCATOR Kwajalein Junior-Senior High School, Republic of the Marshall Islands 1989 -2006

- **Taught: Advanced Placement Calculus AB, Advanced Placement Calculus BC, AP Statistics, AP Computer Science Programming in the Java Language, Precalculus, Algebra 2-Trigonometry, Geometry, Algebra I, Prealgebra, Middle School Mathematics.**

CONSULTANT

Access Academy to Asian University for Women; Chittagong, Bangladesh.

- Development of Mathematics Assessments for Students from nations throughout South Central Asia.
- Development of College Preparatory Mathematics Curriculum for same students.
- Conducted on site in-service for teachers at the Academy.

PRIVATE TUTOR

- Clients include students from Wausau East High School, Wausau West High School, Athens High School, Athens Middle School.

PROFESSIONAL AFFILIATIONS

- **National Council of Teachers of Mathematics (NCTM)**
- **Wisconsin Mathematics Council (WMC)**
 - **Executive Board, 1985 – 1987.**

CERTIFICATIONS

- **License 40 Professional Educator**
 - Mathematics, Grades 7–12, WI DPI #400
 - Computer Science, Grades 7 – 12, WI DPI #405

ACADEMIC PREPARATION

- **Bachelor of Science, Mathematics Major, Secondary Mathematics Teaching Certification** University of Wisconsin - Madison, 1982
- **Woodrow Wilson National Fellowship Foundation Master Teacher**, Princeton University, 1984.

ACHIEVEMENTS

Awards

- State of Wisconsin Presidential Awardee for Excellence in Mathematics Education, 1988 & 1989.

PROFESSIONAL PRESENTATIONS

- Nearly 100 presentations, in-services and workshops at national, regional and state conferences and for school districts and universities throughout the United States.

PUBLICATIONS

Barbella, Peter, James Kepner; Richard Scheaffer. *Exploring Measurements*; Dale Seymour Publications (1994).

Barbella, Peter, Dr. Murray Siegel. "Queueing: A Human Simulation". *Teaching Statistics*, Spring 2001.

Barbella, Peter, Lorraine Denby, James Landwehr, "Realistic Examples from Elementary Statistics". *Mathematics Teacher* September 1987.



S N A P S H O T
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