

NANCI N. SMITH, Ph.D.  
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### Profile

As an experienced consultant, professional developer, and educator, I am passionate about reaching and teaching all students through excellent quality and rigorous instruction. I am highly organized, resourceful, take initiative and work well as a team leader and team player. I bring my interpersonal skills and deep understanding of curriculum design and pedagogy in creating effective professional development for teachers, administrators, coaches and curriculum designers. My experience enables me to be flexible in approach, meeting the needs of the teacher, group, or district. I seek to bring out excellence in others as I continue to stretch and grow professionally.

### Objectives

- To lead and support innovative mathematics initiatives
- To foster and develop high performing teachers and teacher-leaders
- To design effective professional development
- To craft engaging and rigorous mathematics curriculum

### Professional Qualifications

- Experience in coaching and training teachers and teacher-leaders
- Involvement with small, large, urban, suburban and rural districts; all levels of socio-economics from affluent to generational poverty, including working in 45 states and nine countries
- Development of mathematics curriculum including several K-12 programs aligned to current standards and state initiatives
- Use of innovative technology for the delivery of professional development such as national webinars and design of integrated video/research/assessment/lesson CDs

### Professional Experience

#### **Effective Classrooms Educational Consulting, LLC**

2002 – present, President and CEO

Professional development: instruction and pedagogy, assessment, coaching, and curriculum design.

Presentations: national and international conferences. Other: proposals, budgets, district needs assessments and reviews, supervision of two part-time consultants

#### **Solution Tree**

2014 – present

Consultant, Mathematics at Work PLC (Kanold), Unstoppable Learning (Fisher and Frey), Differentiation, state and large district math implementation

#### **ASCD**

2000 – present

Faculty member, Differentiated Instruction cadre, Understanding by Design cadre, Common Core, author

#### **Researcher, Author, Project Manager**

2001 – 2004, LINKS Learning, NSF grant, Office of Superintendent of Public Instruction (OSPI), Olympia, WA and Arizona State University, Technology Based Learning & Research (TBL&R)

Designed, wrote and produced professional development 14 DVD/CD for middle school teachers integrating video, research, lesson plans, assessment; additional interactive arcade-style CD for student concept and skill development

### **University Instructor**

1999 – 2000, Arizona State University, MAT 270 (Calc. 1), MAT 117 (College Alg.), MTE 180 (Math for Elementary teachers), Student Teacher supervisor  
1998 – 1999, Adjunct Arizona State University and Northern Arizona University, Differentiated Instruction for Masters Program

### **High School Teacher**

2000 – 2001, Desert Mountain High School, Scottsdale Arizona, International Baccalaureate Higher Level Mathematics, AP Calculus AB and BC, PreCalculus  
1995 – 1999, Desert Mountain High School, Scottsdale Arizona, Algebra 1, Geometry, IB HL, AP Calculus AB and BC  
1996 – 1998, Mathematics Department Chair, Desert Mountain High School, supervisor of teachers, school leadership team, accreditation chair  
1994 – 1995, Saguaro High School, Scottsdale, Arizona, Algebra and Pre-Algebra

### **District Trainer**

1996 – 2001, Scottsdale Public Schools, Mathematics and Differentiated Instruction

### Education

**Arizona State University**, PhD, May 2008

Joint College of Education and College of Liberal Arts and Sciences

Dissertation: “Student’s Emergent Conception of the Fundamental Theorem of Calculus”

**National Board for Professional Teaching Standards**, November 1998

Adolescent and Young Adult Mathematics

**University of Phoenix**, MAEd, May 1997

Curriculum and Instruction, Using Innovative Technology to Enrich and Remediate Algebra II

**Grand Canyon University**, May 1994

B.S. Mathematics Education, Summa Cum Laude

### Refereed or Invited Publications and Materials

Smith, N.N. (2007) Meaningful Mathematics DVD Series: Consultant, Editor and User’s Guide Author. Alexandria, VA: ASCD.

Smith, N. N. (2004) Middle School Math LINKS. Mathematics content for CDs and training models. 15 DVD/CDs and 5 training models.

Carlson, M., Smith, N., & Persson, J. (2003). Developing and connecting calculus students’ notions of rate-of-change and accumulation: The fundamental theorem of calculus. *Psychology of Mathematics Education, Vol. 2*, 165–172.

Smith, N. N. (2003). Line 'em up! A Pre-algebra/Algebra unit on constant change. In C. A. Tomlinson & C. C. Edison (Eds.), *Differentiation in practice: A resource guide for differentiating curriculum* (pp. 149 - 181). Alexandria, VA: ASCD.

Smith, N. N. (1998) EMG Networks (Pearson Education) “Math Perspectives”- a 12-part mathematics TV series.

Smith, N. N. (1998) Algebra II Solutions. Interactive CD program. EMG.

Smith, N. N. (1998) Algebra I Solutions. *Ed.* EMG.