

# Nancy A. Taylor

## Executive Summary

Educational leader with 28 years of experience including fourteen as **K-12 Curriculum Coordinator** of the 42 district, 500,000 student San Diego County Office of Education including nine as **Director** of the National Science Foundation PISCES Project. Community builder, researcher, fund developer and innovator as a 1995 **founding member** and **Executive Director** of the San Diego Science Alliance (501 c3), **Co-Principal Investigator** of the National Science Foundation grant to Cal State University, San Marcos for the Cyber TEAM project, three years as **Director** of the Middle School Science Education Leadership Initiative (MSSELI) reaching 14 districts and 28 middle schools. **Collaborator** to develop K-12 Environmental Education programs. Served three years as **K-6 principal and assistant principal** of the 750 student Hanson Lane Elementary School in Ramona, and 17 years as the **founder and director** of Swim Ramona! Prior to that, serving as **Regional Director** of the California Department of Education's State Systemic Science Initiative. Honored as **distinguished educator** by the California Curriculum and Instruction Superintendent's Council, Athena San Diego, Governor's Digital Visioning Committee and **award recipient** of the Classroom of the Future Foundation's *Impact Award* and the California School Board Association's *Golden Bell* (2005 and 2009). Published **author** of professional articles and **managing editor** "Strategic Science Teaching", 4,000 copies in print. **University adjunct faculty** Pt. Loma Nazarene and San Diego State University. **Classroom teaching** experience, spanning 14 years in bilingual settings at grades 1-5 and middle school science in the Ramona Unified School District and San Diego Unified School District. Fluent in Spanish.

## ADMINISTRATIVE AND TEACHING EXPERIENCE

### **K-12 Science Coordinator, Learning Resources and Educational Technology**

*San Diego County Office of Education, (ADA 500,000) 1995-present*

Leadership of programs and personnel in the core curricular area of science serving 500,000 students in 42 school districts, responsible for advancing science initiatives in all districts to assure equal access and equity for all students in 42 diverse districts ranging from small rural to large urban. Specific responsibilities include: Leading and directing professional development initiatives for teachers and school administrators; administering grant funded programs and budgets of over \$5 million; Managing the California Regional Environmental Education Community program for San Diego and Imperial Counties; informing school administrators on legislative policy, assessment and accountability, resource development and teacher evaluation; convening high school science department leaders, counselors and administrators for articulation and college/workforce readiness; curriculum and technology research, coordination, development; managing staff of project specialists, university Science Corps and clerical support, recruitment, hiring and evaluation; collaboration with SDCOE divisions, industry and university partners to innovate, develop and implement resources for science instruction and professional learning; coordination, research and program development with all curricular area experts (language arts, mathematics, history/social science, visual and performing arts, physical education), categorical programs, special education and technology; development of web-based tools for teaching and learning; presentations to school boards, university partners and community groups. Statewide responsibility included development of California Science Standards and Framework, participation on state assessment development, leading the CDE

*Literature in Science and Mathematics*, grades 5-8 sub-committee, coordinating efforts on selection of instructional materials, and service on taskforce initiatives.

### **Executive Director**

*San Diego Science Alliance, 501(c)3 Non-profit organization 2007-present*

Direct an annual \$500,000 budget supporting nine programs, part-time consultants, 22 member Board of Directors and a robust electronic community. Outreach to over 15,000 students and teachers each year, connecting resources from the local business and industry sector to support Science, Technology, Engineering and Math (STEM) programs in K-12 schools. Manage strategic planning and development of organizational collateral for fund development.

### **Co-Principal Investigator**

*California State University San Marcos, Cyber TEAM, 2008-present*

Plan and implement information and communication technologies to support student learning and middle school science teacher professional learning in collaboration with university partners.

### **Director, Partnerships Involving the Scientific Community in Elementary Schools (PISCES) Project**

*San Diego County Office of Education/San Diego State University 1998-2008*

Directed university and school personnel to deliver program objectives in 12 elementary school districts, serving approximately 40 school sites, 150 teachers, 4,500 students. Management of \$3 million budget including accountability to SDSU Research Foundation and federal agency. Shared leadership for the development and supervision of 45 graduate students, program evaluators, clerical and technical staff. Articulation of program goals and outcomes to 12 school boards, associated school administrators, and staff.

### **Co-Founder, Middle School Science Education Leadership Initiative (MSSELI)**

*San Diego Foundation and San Diego Science Alliance, 2004-present*

Secure private funding to implement professional development and leadership training among middle school science teachers. MSSELI reaches 75 teachers in 19 school districts and 28 schools. Coordinate research and evaluation. Implementation of lesson studies in middle school classrooms

### **Elementary School Principal and Assistant Principal**

*Hanson Lane Elementary, Ramona Unified School District (school ADA 750), 1992-1995*

Leadership and oversight of 35 certificated and 28 classified staff, regular and special education students, and parent/community involvement. Supervision and evaluation of instruction, administration of categorical programs, school site budget, school site council, bilingual advisory committee, technology plan and disaster preparedness plan. Development of professional development programs to support core curriculum, after school programs, intervention programs for at-risk students, technology lab, playground redesign and construction, and special events. Participation and leadership on district management team, district advisory committee and district budget committee.

### **District Bilingual Coordinator and District Science Coordinator**

*Ramona Unified School District (ADA 7,000), 1986-1995, 1989-1992*

Coordinated accountability for Coordinated Compliance Reviews and categorical programs for 5 elementary, 1 middle and 1 high school. Oversight of language assessment and student transitions. Facilitated professional development for certificated and classified staff. Curriculum review, selection, distribution and implementation. Developed strategic plans for bilingual programs and K-12 science.

### **Regional Director**

*California K-12 Alliance for Mathematics and Science, 1991-1992*

Collaborated with regional leaders to develop and roll out National Science Foundation funded statewide systemic initiative to improve curriculum, instruction, assessment and leadership in K-12 science. Implemented program objectives and recruited program participation in 20 districts in San Diego County. Led statewide meetings with instructional leaders and policy makers.

## **K-12 TEACHING EXPERIENCE**

### **Teacher, Science Specialist, 5 Elementary Sites and 1 Middle School**

*Ramona Unified School District, (ADA 7,000), 1990-1991*

Authored and implemented Title VII grant funded program to provide targeted science instruction to English learners and all students in grades 4-8. Planned and implemented parent involvement and community events.

### **Bilingual Teacher, Grades 2-5, Hanson Lane Elementary School**

*Ramona Unified School District, (ADA 750), 1985-1990*

Taught multi-age bilingual classrooms. Led multi-cultural music and dance programs. Identified and secured grant funding for school garden and pond, developed curriculum and cross-age learning exchanges. Served on school site council and district bilingual advisory committee.

### **Teacher, Grades 1-3, Logan and Encanto Elementary Schools**

*San Diego Unified School District, (School ADA 1,500) 1978-1985*

Taught in self-contained Spanish monolingual classrooms. Served as teacher's association representative.

### **Itinerant ESL Teacher, Grades K-8**

*San Diego Unified School District (ADA 120,000) 1977-1978*

Taught English as a Second Language to "new-comer" students at three middle schools and 3 elementary schools.

## **COLLEGE AND UNIVERSITY TEACHING EXPERIENCE**

### **Faculty, Teacher Credential Program, Methods Courses**

*Point Loma Nazarene University, 2004-present*

Design and delivery of courses in literacy, mathematics, science and physical education. Supervised student teaching in elementary and middle school classrooms.

### **Faculty, Science Methods Course, Teacher Credential Program**

*San Diego State University, University of California, San Diego*

Delivered courses in elementary science teaching methods.