

Tricia Apel

tricia.apel@gmail.com



I believe that the Middle School transition from elementary to higher-level mathematics is the perfect time to instill a lifelong love of math and learning in naturally curious minds. I use a blend of cooperative learning, technology-enhanced projects, hands-on manipulation, concrete skill acquisition, and mathematical communication; with a focus on higher-level thinking skills and real-world applications.

Certification

National Board Certification (NBPTS)	2006-2016
Arizona Elementary Education Credential K-8 with Middle School Endorsement	1993-2018

Formal Education

State University of Buffalo, New York, College of Education Four graduate-level credits	2007
California State University, Northridge Graduate-level course in Web design	2007
The College of New Jersey M.A., Elementary Education	2001
Northern Arizona University Nine graduate-level education credits	1995-1998
University of Arizona Six graduate-level mathematics credits	1995-1996
University of Missouri, Kansas City B.A., Elementary Education	1991

Employment

International School of Amsterdam, The Netherlands Integrated MYP Math 8	2012-present
Integrated MYP Math 9	2013-2014
Integrated MYP Math 6	2010-2013
American Embassy School, New Delhi, India Algebra, Pre-Algebra, Integrated Math 6	2005-2010
Fourth Grade	2002-2005
Cairo American College, Cairo, Egypt Pre-Algebra and Science	1998-2002
Akimel A-al Middle School, Kyrene School District, Phoenix, Arizona Algebra and Pre-Algebra	1993-1998

Presentations

NESA Spring Educator's Conference, Athens <i>SmartBoards, Graphing Calculators, and Linker Cubes: Hands-on Methods for Exploring Data Analysis</i>	Apr 2007
AES Elementary Faculty Special Training <i>Using 6+1 Writing Traits Across the Curriculum</i>	2003
Akimel A-al Middle School and American Embassy School <i>Family Math</i>	1996 & 2004

Leadership Experience

Eighth Grade coordinator I am the leader of the 8 th grade team, responsible for coordinating the budget, the grade-level trips, and the homeroom program for the grade level. I meet regularly with the school administration and other grade-level coordinators, facilitate team meetings, and conduct parent information sessions. Most importantly, I'm the primary contact in charge of student needs, discipline issues, and the social-emotional wellbeing of the eighth grade students.	2013-present
Student Council facilitator I lead the middle school student council representatives, teaching them to facilitate their meetings, represent their fellow students, and implement positive changes to school culture. I guide them in organizing and conducting assemblies, fund-raisers, and social events.	2010-present
Advisory Committee Member, ISA I was part of the team that designed the new middle school advisory program at ISA. We wrote the philosophy behind the program, planned the schedule, and created activities to support the program.	2012-2014
Scheduling Committee Member, ISA I was part of the team who planned and implemented the redesign of ISA's upper school schedule.	2011-2012
Math department head, AES I was part of a five-person team of math teachers who taught grades six through eight. I crafted agendas, facilitated monthly meetings, represented the team at leadership meetings, and planned the annual budget for math purchases. I helped the members of my team write their unit plans in Understanding By Design format and enter those units into Atlas Rubicon. I was responsible for creating and maintaining the math data profile, based on the team's common assessments and external assessment.	2005-2010
Sixth grade team leader, AES I was part of an eleven-person team of educators who taught mostly sixth-grade students. I crafted agendas, facilitated bi-weekly meetings, and represented the team at leadership meetings. I coordinated and communicated to my team the essential upcoming events each week. The advisory program is an essential component of middle school at AES. I facilitated the creation and implementation of lessons which addressed the guiding questions of our advisory program.	2006-2010
Math department representative, curriculum council and math K-12 vertical team, AES The K-12 Math vertical team is composed of the curriculum coordinator and math specialists representing grades K-2, 3-5, 6-8, and 9-12 mathematics. I represented grades six through eight at these monthly meetings. The team ensures vertical articulation between the schools, working on a cohesive curriculum that corresponds with the math philosophy at AES. We are responsible for organizing professional development for the math departments.	2002-2010
Week Without Walls trip leader and trip coordinator, AES Week Without Walls is an annual week-long curricular and service learning trip where students learn through immersion in a component of Indian culture. I worked with the Assistant Principal to plan this trip for over 100 sixth-grade students. I met with vendors, created activities, compiled teacher materials, ran assemblies, presented the sixth-grade component at a parent meeting, created the student writing journal, organized the students into three camps, wrote and distributed the parent letters. While on the trip, I communicated with the office and concerned parents.	2005-2010
Math department head, CAC I was part of a six-person team of math teachers who taught grades six through eight. I crafted agendas, facilitated monthly meetings, represented the team at leadership meetings, and planned the annual budget for math purchases.	1999-2002

Curriculum Committee, CAC	2000-2002
I participated in monthly curricular meetings where we designed, discussed, and facilitated implementation of curricular initiatives on a school-wide level.	
Science department head, CAC	1999-2000
I was part of a six-person team of science teachers who taught grades six through eight. I crafted agendas, facilitated monthly meetings, represented the team at leadership meetings, and planned the annual budget for science purchases.	
Seventh grade team leader, CAC	1999-2001
I was part of a six-person team of teachers who taught only seventh-grade students. I crafted agendas, facilitated bi-weekly meetings, represented the team at leadership meetings, and organized the annual week-long student curricular trip to the Sinai Peninsula.	
Math Facilitator, Kyrene Science Academy	1996-1998
KSA was created through a National Science Foundation grant, written at the district level. The grant provided enrichment science and math activities to students who were at risk of not completing high school. I was in charge of creating and presenting math units for this program.	
Seventh grade team leader, Akimel A-al	1995-1998
I was part of a seven-person team of teachers who taught only seventh-grade students. I crafted agendas, facilitated weekly meetings, represented the team at leadership meetings, wrote grants for interdisciplinary units, and organized field trips.	
Teacher on Special Assignment, Akimel A-al	1996
I acted as an administrator during the maternity leave of the seventh grade Assistant Principal. I was responsible for scheduling classes, acting as parent-teacher liaison, administering discipline, and advising seventh-grade students. I attended and participated in Administration Team and seventh-grade team meetings.	
Career Ladder Representative, Akimel A-al	1994-1998
Career Ladder was a curricular incentive program, funded by the state of Arizona. As the school-level representative to the Kyrene School District, I helped mentor teachers in the process, and inform teachers at my school of legislation and curricular movements.	

Continuing Education

Structured English Immersion	2014
Post-graduate course on differentiation for English language learners, Maricopa County Community College Online	
National Council of Teachers of Mathematics (NCTM) <i>Regional Conference, Las Vegas</i>	2013
three-day seminar focusing on Common Core math curriculum and differentiation	
ECIS Annual Teacher's Conference	2013
Teaching EAL Students in the Mainstream Classroom	2012
Semester-long course on teaching techniques and strategies to support English-language-learners	
National Council of Teachers of Mathematics (NCTM) <i>Regional Conference, Philadelphia</i>	2012
three-day seminar focusing on technology integration and Common Core math curriculum	
ASB Unplugged: 1:1 Learning Conference, Mumbai, India	2012
ECIS Technology Leadership Conference, Frankfurt Germany	2011
National Council of Teachers of Mathematics (NCTM) <i>Annual Conference, Indianapolis</i>	2011
three-day seminar focusing on integrating geometry and algebra	
IB MYP Training Workshop, Princeton, New Jersey	2010
ASB Unplugged: 1:1 Learning Conference, Mumbai, India	2010
Math Curriculum Planning and Integration with Erma Anderson	2009

DyKnow (interactive learning software) Professional Learning Community	2008-present
Backwards Planning in Unit Design with Jay McTighe	2008
NESA Spring Educator's Conference, Athens, Greece	2007
Presenter (see above) and forum panelist on National Board Certification	
Key Curriculum Technology Workshop	2006
one-day training on Geometer's Sketchpad and TinkerPlots	
National Council of Teachers of Mathematics (NCTM)	2006
<i>Annual Conference, St. Louis</i>	
five-day seminar focusing on using assessment to inform instruction	
NESA Spring Educator's Conference, Bangkok, Thailand	2004
three-day conference including a one-day seminar with Marcy Cook focusing on establishing real-life applications for mathematics	
Advanced 6+1 Trait Training	2003
three-day advanced training for trainers of the 6+1 writing traits assessment model	
Facilitative Leadership Training, Cairo, Egypt	2000
Association for Supervision and Curriculum Development (ACSD)	1999
<i>Annual Conference, San Francisco</i>	
Including 11 clock hours of additional training in Designing Standard-Based Districts, Schools, and Classrooms	
NESA Spring Educator's Conference, Cairo, Egypt	1999
Tucson Area Council for Technology	1998
<i>Annual Teaching and Technology Conference</i>	
one-day seminar integrating multimedia and communication technology in the classroom	
Oregon Six-Trait Training	1998
assessment training on using Oregon's six-trait writing rubric	
Arizona Association of Teachers of Mathematics	1996 and 1997
<i>Annual Conference</i>	
one-day seminar focusing on technology in mathematics	
Mathematics Leadership Retreat	1996
three-day seminar focusing on establishing real-life applications for mathematics	
National Council of Teachers of Mathematics	1997
<i>Annual Conference, Minneapolis</i>	
three-day seminar focusing on the integration of technology in mathematics education	
National Council of Teachers of Mathematics	1996
<i>Annual Conference, San Diego</i>	
three-day seminar focusing on constructivism in mathematics education	
Family Math Training	1996
twelve-hour training on implementation of Family Math	
Making Everybody Count	1995 - 1997
middle-school mathematics teacher program, funded through NSF at the University of Arizona	
Richard Stiggins Assessment Conference	1995
one-day lecture by Richard Stiggins on using portfolios for student-led conferences	
Mathematics Chairperson's Retreat	1993
three-day seminar focusing on problem-solving, both in mathematics and at the school site	