

ANDREA L. SCHMUTTERMAIR

| alschmutt@gmail.com | digital portfolio |

Summary of Experiences

- Over ten years of instructional experience with students at various levels of educational development.
- Extensive experience in training other instructors in the use of Promethean and ActivInspire Technology
- Experienced STEM instructor
- Experienced Project-based Learning (PBL) designer
- Innovative instructor and curriculum designer
- Bachelor's and Master's Degree in Education and Human Development
- Two-time NOAA Teacher at Sea (2012 & 2015)
- Fulbright Scholar (2017)

Education

University of San Diego: San Diego, CA Bachelor of Arts in Diversified Liberal Arts/Elementary Education Concentration: Human Development Minor: German	September 2000-May 2004
University of Denver: Denver, CO Animal and Human Health Certificate: A certificate program in animal-assisted therapy, activities and learning	April 2011- November 2011
The George Washington University: Washington, DC Master's of Arts in Education & Human Development Concentration: Educational Technology Leadership	May 2013- present

Credentials

Colorado Professional Educator License	November 2007- March 2019
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Teaching Experience

6th grade Science and Literacy Teacher 4th /5th grade teacher <u>The Colorado STEM Academy: Westminster, CO</u> <ul style="list-style-type: none">• Responsible for aligning science and language arts curriculum to state and district standards• Create and implement in-depth project-based learning units in all content areas• Develop and implement science lessons based on Next Generation Science Standards (NGSS)• Deliver multi-level math and English language arts instruction based on Common Core State Standards• Integrate engineering design principles in content areas• Science lead for elementary• Communications team leader• School and District Science Fair Coordinator	July 2013- June 2014 July 2014- present
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Training received:

- Competency-based learning
- STEM 101 Academy
- Progressive Math Initiative
- Progressive Science Initiative
- Project-based Learning Leadership Program (Buck Institute for Education)
- Participated in a 3-day 3D/4D Printing Workshop at CU Boulder

3-6 grade Science Specialist

The Academy: Westminster, CO

- Responsible for aligning science curriculum to national and state standards
- Leader of Professional Development courses in effective use of interactive whiteboard software (ActivInspire) and response systems (Promethean ActivExpressions)

August 2011- May 2013

- Incorporate project-based learning into all subject areas
- District Promethean Trainer
- Technology coach for Promethean
- Elementary Science Fair Coordinator (2009-2013)
- Elementary science lead

Training received:

- Promethean ActivInspire Level I, II, III training
- Promethean Train the Trainer training
- Thinking Maps
- Write from the Beginning

4th grade Teacher

August 2009- May 2011

The Academy: Westminster, CO

- Developed lesson plans across curriculum using ActivInspire software
- Conducted in-services on Discovery Education and NSTA conference
- District Promethean Trainer
- Founder/Leader of Promethean User Group
- Elementary Science Fair Coordinator
- Technology coach for Promethean board and software

Training received:

- Promethean ActivInspire Level I, II, III training
- Promethean Train the Trainer training
- Thinking Maps
- Write from the Beginning
- Advanced ELL training through Adams 12

4th grade Teacher

August 2007-June 2009

The Classical Academy (East Campus): Colorado Springs, CO

- Developed and updated Core Knowledge science curriculum
- Science team lead
- Used Core Knowledge curriculum to align units
- 4th grade team lead
- Campus Advisor for AIMSweb, a curriculum-based online assessment tool for reading
- Technology advisor for colleagues
- Member of multi-campus Character Advisory Team

Training received:

- Trained in the Spalding Method for Literacy
- Classical Education training

1st grade co-Teacher

September 2006-June 2007

Valley Elementary School: Poway, CA

- Taught Everyday Math curriculum
- Adhered to Poway Unified School District and California state standards
- Assisted English Language Learners with phonemic awareness and language development

2nd grade Teacher

September 2004-May 2006

Internationale Schule Frankfurt Rhein-Main: Frankfurt, Germany

- Implemented the SABIS curriculum in multiple subjects
- Coordinated after school activities in hands-on science

Leadership and Outstanding Recognitions

Member of Promethean Teacher Advisory Council

September 2011-2013

- Work with Promethean and 11 other teachers from around the country to provide Promethean with valuable information on how to better improve their products for use in the educational world

NOAA Teacher at Sea

June 21, 2012- July 3, 2012

- Spent 2 weeks on board the *Oregon II* working with NOAA fisheries biologists to conduct the summer groundfish survey
- Collected, sorted, and identified over 60 species of fish and crustaceans
- Wrote daily blogs and lessons about the research for the elementary classroom
- Represented NOAA and the Teacher at Sea Program at NSTA national conference (San Antonio 2013) and regional conference (Denver 2013)

NOAA Teacher at Sea Alumnus

July 5, 2015- July 24, 2015

- Spent 3 weeks on board the *Oscar Dyson* working with NOAA fisheries scientists
- Assisted scientists in analyzing acoustic technology to sample walleye pollock for the annual survey
- Assisted scientists in testing and deploying experimental DropCam technology
- Wrote daily blogs and lessons about the research for the community
- Developed a problem-based learning unit involving NOAA research

Community Service

Volunteer with Freedom Service Dogs
Englewood, CO

February 2010- December 2014

- Walk dogs in training to be service dogs
- Foster dogs in the service training program on the weekend (provide training and socialization)
- Assist with training needs
- Volunteer for International Service Animals Conference

German Teacher

1999- 2001; 2003; 2004

Los Penasquitos, Deer Canyon, and Shoal Creek Elementary

- Developed and implemented an Introductory German program
- Wrote an introductory instructional unit to teach elementary students basic German
- Implemented the German program at 3 different elementary schools
- Used visual, auditory kinesthetic instruction

Professional Memberships

National Science Teachers Association

2009-present

Languages

English (native speaker)

German (speak, read and write)