

**JULIE K. HERRON**  
Assistant Professor of Elementary Mathematics  
Department of Curriculum and Instruction  
College of Education  
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## **EDUCATION**

**Ph.D.**, Curriculum and Instruction, May, 2007.  
Concentration in School, Culture and Society in Teacher Education  
Emphasis in Elementary Mathematics  
Utah State University, Logan, UT

**Master of Arts in Education**, May, 2002.  
Emphasis in Elementary Mathematics  
San Diego State University, San Diego, CA

**Bachelor of Arts**, 1996  
Communication Disorders and Sciences, Spanish  
University of Oregon, Eugene, OR

*Current Teaching License*: California, K-6, English as a Second Language (Valid until 2020)

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## **PROFESSIONAL EXPERIENCE**

<b>2016 – Current</b>	<b>Assistant Professor, Elementary Mathematics</b> , EC-6 Program, Department of Curriculum and Instruction, College of Education, Sam Houston State University
<b>2011 – 2016</b>	<b>Assistant Professor, Elementary Mathematics</b> , Multiple-Subject Program, School of Education, College of Math and Sciences, California Polytechnic State University
<b>2007 – 2011</b>	<b>Assistant Professor of Elementary Mathematics</b> , Elementary Education Program, Department of Curriculum and Instruction, College of Education – The University of Alabama

### **Courses Taught**

CIEE 4334 *EC-6 Math Methods-Sam Houston*  
CIEE 3374 *Human Development and Growth-Sam Houston*  
EDUC 435 *Teaching K-8 Mathematics with a Multicultural Perspective-Cal Poly*  
CEE 380 *Teaching Elementary Mathematics-UA*  
CEE 580 *Concepts of Elementary Mathematics-UA*  
CEE 581 *Mathematics Curriculum Design-UA*  
CEE 582 *Teaching Elementary Mathematics-Alternative Masters Students-UA*  
CIE 680 *Seminar in Mathematics Education Research-UA*  
CSE 566 *Improving Mathematics Instruction-UA*

## OTHER PROFESSIONAL TEACHING EXPERIENCE

- 2004-2007 Adjunct Lecture, Department of Elementary Education, Utah State University, Logan, UT.  
2004-1998 English as a Second Language Kindergarten and First Grade Teacher, La Mesa-Spring Valley School District, La Mesa, CA  
1996-1998 First Grade Bilingual Teacher, Salida Union School District, Salida, CA
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## HONORS/ AWARDS

- 2015 Outstanding Educator of the Year, School of Education, Cal Poly State University  
2006 Teaching Assistant of the Year for the Department of Elementary Education, Utah State University
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## PUBLICATIONS

### REFEREED JOURNALS

- Herron, J** & Foster, A. (Under Revision-2017). Integrating math in a sea of science: Learning through a fish feeding frenzy! *Science & Children*.
- Herron, J.**, Summers, R. & Chao, X. (2015). Mathematics and language: An analysis of elementary teachers' lesson plans in elementary geometry lessons. *Russian-American Educational Journal: An Online Forum*.
- Bourke, N., Buskist, C. & **Herron, J.** (2014) Residential environmental education center program evaluation: An ongoing challenge. *Applied Environmental Education & Communication* (13). 83-90.
- Herron, J.**, Houghtaling, P., & Komara, B.C. (2014). O is for Opera: A multidisciplinary program for teaching music, singing, theater, and mathematics. *Infanzia*, (3). 214-17.
- Bourke, N. & **Herron, J.** (2014) Program evaluation practices of residential environmental-education centers. *Journal of Scholastic Inquiry: Education*, 2. 9-15.
- Komara, B. C. & **Herron, J. K.** (2012). Implementing informal mathematics assessments in prekindergarten. *Childhood Education* 88(3). 162-8.
- Herron, J.** (2010). An evolution of mathematical beliefs: A case study of three pre-k teachers. *Journal of Early Childhood Teacher Education* 31(4), 360-372.
- Herron, J.** & Barta, J. (2009). Culturally relevant word problems in second grade: What are the effects? *Journal of Mathematics and Culture* 4(1), 23-49.
- Herron, J.** (2009/2010). Implementation of technology in an elementary mathematics Lesson: The experiences of pre-service teachers at one university. *Journal of the Southeastern Regional Association of Teacher Educators*, 19(1). 22-29.
- Daane, C.J., **Herron, J.**, Lowry, P., & Campbell, D. (2009). Geometry: K-6. *Alabama Journal of Mathematics*.
- Lowry, P., Daane, C.J., **Herron, J.**, & Campbell, D. (2008). A Classroom activity involving commonly used fractions. *Alabama Journal of Mathematics* 32(1&2), 85-88.
- Daane, C.J., Lowry, P. & **Herron, J.**, (2007) Place value: Whole and decimal numbers. *Alabama Journal of Mathematics* 31(2), 47-50.

### Conference Proceedings

- Herron, J.** & Laurie, C. (2008). *The Mathematical Education of Teachers: One University's*

## **PROFESSIONAL PRESENTATIONS**

### **INTERNATIONAL/NATIONAL**

- Herron, J.** (2016). Let the story be your guide: Using children's literature to teach problem solving. National Association for the Education of Young Children Annual Conference: Los Angeles, CA.
- Holaway, C & Herron, J.** (2015). Show Me the Connection! Fractions, Ratios & Proportions in CCSSM. National Council for Teacher of Mathematics (NCTM) Annual Conference: Boston, MA.
- Herron, J. & Holaway, C.** (2013). Looking at Common Core Number Domains Kindergarten through Algebra II. National Council for Teacher of Mathematics (NCTM): Baltimore, MD
- Herron, J.** (2011) *Connecting activities and informal assessments: A look at math centers*. Presentation at National Council of Teachers of Mathematics Annual Conference. Indianapolis, IN
- Herron, J. & Komara, C.** (2010) *Pre-K math centers: Connecting activities and informal assessments*. National Association for the Education of Young Children Annual Conference. Anaheim, CA.
- Herron, J.** (2010). *A look at US elementary mathematics standards and curriculum: A Four State Comparison*. Teacher Educations: International Symposium on International Horizon and Local Practice. Huzhou City, China.
- Herron, J. & Komara, B. C.** (2010). *Math and opera in the Pre-K classroom*. Presentation at National Council of Teachers of Mathematics Annual Conference, San Diego, CA.
- Herron, J.** (2010). *Evolution of mathematical beliefs: A case study of three Pre-K teachers*. Paper Presentation at the National Council of Teachers of Mathematics Research Pre-Session. San Diego, CA.
- Herron, J.** (2008). *The Instructional Architect: Providing a blueprint for teaches to integrate online mathematics resources with instruction*. National Council of Teachers of Mathematics Annual Conference, Salt Lake City, UT.
- Herron, J. & Johnson, D.D.** (2007). *The Instructional Architect: Providing a blueprint for leaders to connect teachers, students, and mathematical online learning resources –* National Council for Supervisors of Mathematics Annual Conference. Atlanta, GA.
- Herron, J., Milton, R., Engblom-Bradley, C., Ortiz-Franco, L., & Eglash, R.** (2007). *Ethnomathematics for leadership in our schools, Part 1: Providing leadership to diversify mathematics in our classrooms—* Mini Course presentation at the National Council for Supervisors of Mathematics Annual Conference. Atlanta, GA.

### **REGIONAL**

- Herron, J.** (2016). Children's Literature and Problem Solving: How to Integrate the Two. National Council of Teachers of Mathematics Regional Conference: Phoenix, AZ.
- Herron, J. & Komara, B. C.** (2011). *Pre-K Math Assessments: Quick and Easy*. Presentation at Southern Early Childhood Association Annual Conference. Savannah, GA.
- Herron, J.** (2010). *Let's go fishing for preschool mathematics*. Presentation at Southern Early Childhood Association Annual Conference. Little Rock, AK.
- Herron, J. & Komara, C.** (2010). *Math and Opera: A look at an innovative supplemental mathematics curriculum for Pre-K*. Paper Presentation at Southern Early Childhood Association Annual Conference. Little Rock, AK.

- Herron, J., & Komara, B. C. (2009).** *Math and Opera in the Pre-K classroom: A look at innovative mathematics curriculum.* Presentation at Mississippi Early Childhood Association Annual Conference. Biloxi, MS.
- Herron, J. (2009).** *Teaching and learning mathematics in the Pre-K setting: Three teachers' perceptions.* Presentation at the Southern Early Childhood Association Annual Conference. Myrtle Beach, SC.

## STATE

- Flushman, T. & **Herron, J. (2014).** In- Service Teachers' Dispositions towards Partnerships with Teacher Preparation Programs. California Council on Teacher Education (CCTE) Conference: San Jose, CA
- Herron, J. (2010).** "Line it Up"—*Ways to Develop Understanding of Numbers.* Presentation at the Alabama Council of Teacher of Mathematics Fall Forum. Montgomery, AL.
- Herron, J. (2009).** *Curriculum Focal Points for Prekindergarten through Grade 8 Mathematics: A Quest for Coherence.* **Invited Keynote** Speaker for the K-2 Grade Band at the Alabama Council of Teacher of Mathematics Fall Forum. Montgomery, AL.
- Daane, C.J. & **Herron, J. (2009).** *Games and Activities for Basic Skill Reinforcement.* Presentation at the Alabama Council of Teacher of Mathematics Fall Forum. Montgomery, AL.
- Herron, J. (2008).** *Instructional Architect: connecting teachers and on-line resources.* Presentation at the Alabama Council of Teacher of Mathematics Fall Forum. Montgomery, AL.
- Sekeres, D. & **Herron, J. (2008).** *How to integrate mathematics lessons into historical fiction for upper elementary students.* Presentation at the Alabama Council of Teachers of English State Convention. Tuscaloosa, AL.
- Herron, J. & Laurie, C. (2008).** *The mathematical education of teachers: One university's approach.* Paper Presentation at TEAM-Math Partnership Conference, Tuskegee University.
- Herron, J. (2008)** *Different careers using mathematics.* **Invited** speaker for Sonia Kovalevsky Day at the Auburn University-Montgomery.

## LOCAL

- Herron, J., Komara, B. C., & Houghtaling, P. (2010).** *Lessons Learned: Year 2 of Math and Opera in the Pre-K.* **Invited** speaker in the Research on Teaching in the Disciplines Forum Series at the University of Alabama.
- Herron, J., Komara, B. C., & Houghtaling, P. (2009).** *Learning mathematical concepts through opera: An instructional strategy for four and five year-olds.* **Invited** speaker in the Research on Teaching in the Disciplines Forum Series at the University of Alabama.

## INSTITUTES

- Herron J., Flushman, T., Holaway, C. & Bauer, J. (Aug., 2013)** *Common Core in Your Classroom: Connecting Standard to Your Practice.* This week long workshop took place on the Cal Poly Campus.
- Herron, J., & Flushman, T. (Nov., 2013)** *The Follow Up to Common Core in Your Classroom.* There were two evening follow-up session to the summer institute at the San Luis County Office of Education.

## SHORT COURSES AND WORKSHOPS

- Herron, J. (Nov. 2014)** *Developing Number and Understanding Mathematics in Transitional Kindergarten.* San Luis Obispo County Office of Education

- Herron, J.** (Nov. 2014) *Developing Number, Finding “Ten-ness” and the Common Core in Your Kindergarten or 1<sup>st</sup> Grade Classroom*. San Luis Obispo County Office of Education
- Herron, J.** (Oct. 2014) *Place Value, Problem Solving and the Common Core in Your 2<sup>nd</sup> or 3<sup>rd</sup> Grade Classroom*. San Luis Obispo County Office of Education
- Herron, J.** (Oct. 2014) *Fractions, Problem Solving and the Common Core in Your 4<sup>th</sup> or 5<sup>th</sup> Grade Classroom*. San Luis Obispo County Office of Education
- Herron, J.** (Oct., 2014) *Centers Based Teaching and the Common Core in the K-2 Classroom*. Orcutt School District, Orcutt, CA.
- Herron, J.** (Oct., 2014) *Problem Solving and the Common Core: What does this look like your classroom?* Orcutt School District, Orcutt, CA.
- Herron, J.** (Aug., 2014) *Common Core Mathematics Standards and Your Classroom*  
Two-day workshop series for Templeton Unified School District, Templeton, CA.
- Herron, J.** (Aug., 2014) *Reading, Writing, and Speaking Mathematically*. Battles Elementary School, Santa Maria-Bonita School District, Santa Maria, CA
- Herron, J.** (April, 2014). *Grade Level Backwards Mapping of the Common Core Mathematics Standards Workshops*. This was a series of six half-day workshops with each grade level K-5 Mary Buren Elementary School in the Guadalupe School District, Guadalupe, CA
- Herron, J.** (April, 2014). *Common Core Mathematics in Your Classroom K-5*. Cambria Grammar, Coast Unified School District, Cambria, CA
- Herron, J.** (Feb., 2014). *Problem Solving and the Common Core*. Branch Elementary School, Lucia Mar School District, Arroyo Grande, CA.
- Herron, J.** (Jan., 2014). *Problem Solving and the Common Core*. Grover Heights Elementary School, Lucia Mar School District, Grover Heights, CA.
- Herron, J.** (Dec. 2013). *Problem Solving in Second Grade*. Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Dec. 2013). *Problem Solving in First Grade*. Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Nov., 2013). *Problem Solving in Kindergarten*. Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Oct., 2013). *Common Core Mathematics Standards: What does this mean for you as a second grade teacher?* Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Oct., 2013). *Common Core Mathematics Standards: What does this mean for you as a first grade teacher?* Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Oct., 2013). *Common Core Mathematics Standards: What does this mean for you as a kindergarten teacher?* Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (Oct., 2013). *Common Core Mathematics Curriculum Planning Workshop (K-5)*. Atascadero Unified School District, Atascadero, CA.
- Herron, J.** (Aug., 2013). *Common Core Mathematics and Understanding Number Development K-2*. Santa Maria-Bonita School District, Santa Maria, CA.
- Herron, J.** (June, 2013). *Common Core Mathematics in the Middle School (6-8)*. Lucia Mar School District. Arroyo Grande, CA.
- Herron, J.** (June, 2013). *Common Core Mathematics K-6*. Lucia Mar School District, Arroyo Grande, CA.
- Herron, J.** (May, 2013). *Common Core Mathematics and Understanding Number Development K-2*. Atascadero Unified School District, Atascadero, CA
- Herron, J.** (April, 2013). *Common Core Mathematics in the Middle School (6-8)*. Atascadero Unified School District, Atascadero, CA
- Herron, J.** (April, 2013). *Common Core Mathematics-Fractions in Grades 3-5*. Atascadero Unified School District, Atascadero, CA
- Herron, J.** (April, 2013). *Common Core Mathematics Curriculum Planning Workshop K-2*. Mary Buren Elementary School, Guadalupe School District, Guadalupe, CA

- Herron, J.**, (March, 2013). *Common Core Mathematics-What changes are coming?* (K-6) Atascadero Unified School District, Atascadero, CA
- Herron, J.**, (March, 2013). *Common Core Mathematics Curriculum Planning Workshop 3-5*. Mary Buren Elementary School, Guadalupe School District, Guadalupe, CA.
- Herron, J.**, Milton, R., Engblom-Bradley, C., Ortiz-Franco, L., & Eglash, R. (2007). *Ethnomathematics for leadership in our schools, Part 1: Providing leadership to diversify mathematics in our classrooms*— Mini Course presentation at the National Council for Supervisors of Mathematics Annual Conference. (NCSM); Atlanta, GA.; April 2009.
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## **GRANT ACTIVITIES**

### **Foundations**

*Bring 'em Back Kats: Creating professional spaces for teacher growth and support during early career transition*

Agency: Spencer Foundation

Investigators: Dr. Julie Herron, Dr. Andrea Foster

Submitted: Feb. 2017

Funded: Pending

### **State**

*Central Coast Partnership for Teaching Excellence.*

Agency: An Improving Teacher Quality Grant with the California Department of Education.

Investigators: Grant submitted by California State University-Monterey Bay and Cal Poly's Schools of Education.

Funded: 2015-2017

Funded: \$8,620,000

Role: ***Elementary Consultant***

*Connecting Common Core and Next Generation Science Standards.*

Agency: An Improving Teacher Quality Grant submitted with Drs. Lola Berber-Jimenez and Seth Bush with California Department of Education,

Funded: 2015-2016

Funded: \$500,000.

Role: ***Lead Elementary Mathematics Educator***

*Critical Foundations of Algebraic Reasoning (CFAR);*

Agency: An Improving Teacher Quality Grant, California Department of Education,

Investigators: Dr. Kate Riley and Dr. Julie Herron

**Funded:2012-2013.**

Funded for a total of \$500,000.

Role: ***Co-Director***

### **College and University**

*Mathematics and Opera: An Innovative Curriculum*

Agency: University of Alabama, RGC Grant

Submitted: Spring 2008

Funded: Spring 2008, \$1800



*Mathematics Instruction and Content Knowledge: A Case Study of Three Pre-Kindergarten Teachers*

Agency: University of Alabama, College of Education Grant,

Submitted: Fall 07

Funded: January 2008, \$1625,

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***Service at Sam Houston***

***Department/Program***

2016-current    Scholarship Committee

***College of Education***

2016-current    Recruitment Committee

***Professional***

2011-Present    Reviewer, *Teaching Children Mathematics Journal*  
Responsible for reviewing 1-3 manuscripts a year

2011-Present    Reviewer, *Action in Teacher Education Journal*  
Responsible for reviewing 1-3 manuscripts a year

2010-Present    Reviewer, *Journal of Early Childhood Teacher Education*  
Responsible for reviewing 2-3 manuscripts a year

2010-Present    Reviewer, NCTM Publications  
Responsible for reviewing 1-2 publications a year

2009-Present    Reviewer, NCTM Annual Conference Research Pre-Session  
Responsible for reviewing 8-10 proposals every fall

2009-Present    Editorial Board, *Journal of Mathematics and Culture*  
Responsible for reviewing 1-2 manuscripts a year

***SERVICE at Cal Poly***

***Department/Program***

2014-2016    Placement Coordinator, MSTEP Program

2013-2016    Curriculum Development Committee for a Master's with a Specialization in Curriculum and Instruction

2011-2016    Chair, PAI Committee

2013-2014    Member, Bilingual Education Tenure Track Faculty Search Committee

2011-2013    TQP Grant, Multiple Subject Curriculum Program Redesign Committee

2011-2012    Curriculum Development for Multiple Subjects Program

2011-2012    Co-Chair, English as a Second Language Tenure Track Faculty Search Committee

2011-2012    Member, Literacy Education Tenure Track Faculty Search Committee

***School of Education***

2014-2015    Representative, School of Education, University Master Planning Meetings

2013-2016    Faculty Advisor/Chair, School of Education CBF committee

2011-2016    Liberal Studies Associated Faculty

2011-2016    Member, Liberal Studies Advisory Board

2011-2016	Member, Commencement Committee
2012-2013	Member, Special Education Tenure Track Faculty Search Committee
2011-2012	Assessment Committee
2011-2012	Retention, Tenure & Promotion Ad Hoc Committee

### **University**

2015-2016	Academic Senate, College of Math and Science Representative
2012-2016	Faculty Co-Advisor, Student California Teacher Association Club

### **State**

2011	Reviewer, California Subject Examinations for Teachers in Mathematics
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### **Professional**

2011-2012	Member, Regional Planning Committee for NCTM's 2012 conference
2012- 2013	2 <sup>nd</sup> Vice President (Membership), North American Study Group on Ethnomathematics <i>Responsible for the international membership database, membership and recruitment at NCTM/NCSM national meetings</i>

### **Paid Consultancies**

- **Content Expert**, Fisher Price Preschool Toy Development Team, 2015
- **Reviewer**, *Guiding Children's Learning of Mathematics* Textbook, 2008
- **Herron, J.** (June, 2009) *Let's go fishing for Preschool Mathematics*. **Invited** speaker for Project BEYOND. Natchez, MS.

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## **PROFESSIONAL ORGANIZATIONS**

- American Educational Research Association
- National Council of Teachers of Mathematics
- TODOS
- National Association for the Education of Young Children

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## **Professional Leadership Activities**

*Elected Member*, Regional Planning Committee for National Council of Teachers of Mathematics (NCTM) Fall 2012 conference in Chicago, IL.

## **COMMUNITY LEADERSHIP/ SERVICE**

2007-2016	Faculty Advisor, Gamma Phi Beta Sorority.
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